

October 23, 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
1657 Berlin Turnpike, Berlin, 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 and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Berlin (“Town”) in September 2002. Cellco’s shared use of the tower was approved by the Council in March 2006 (EM-VER-123-007-010-099-060308). A copy of the Town’s approval and Cellco’s EM-VER-123-007-010-099-060308 approval are included in Attachment 1.

Cellco’s proposed modification involves the installation of four (4) interference mitigation filters (“Filters”) on its existing antenna platform and 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 Berlin’s Town Manager and Land Use Officer. A copy of this letter is being sent to the owners of the Property.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco’s existing antenna platform and mounting assembly.

Melanie A. Bachman, Esq.

October 23, 2023

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

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

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

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

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

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

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Arosha Jayawickrema, Town Manager
Maureen Giusti, Town Planner/Zoning Enforcement Officer
Berlin Volunteer Fire Department, the Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1



PROP NO. 101200
TOWN OF BERLIN
 740 Kensington Road
 Berlin, CT. 06037

PERMIT NO. B 3786
 Nicholas G. Chiaro
 (860) 528-7012

BUILDING PERMIT

LOCATION: 1657 WILBUR CROSS HWY
 OWNER: BERLIN VOLUNTEER FIRE DEPT
 PERMIT ISSUED TO:

TENANT:
 HOME OWNER ADDRESS:

1657 SPRINT PER/M ROGAN
 657 WILBUR CR HWY

BERLIN VOLUNTEER FIRE DEPT
 1657 WILBUR CR HWY

BERLIN, CT. 06037
 150-0356

BERLIN, CT. 06037

Build (turn): 437 AAC NonRes
 Prop Type: COMM Commercial
 Prop Class: PRIV Priv Owned
 Hdg Type: 41 Conical Tower
 Hdg Frame: 3 Metal Fr
 No. Buildings: 1
 No. Units: 1

EST. VALUE: 0
 BLDG PRMT: B 3786

Issue Date: 9/26/2002
 Application Date: 9/19/2002

Distance E Side:
 Distance W Side:
 Distance S Side:
 Distance N Side:

Documents:

INSTALLATION OF COMMUNICATION TOWER, RAISED STEEL DECK &
 RELATED EQUIPMENT, AT BERLIN FIRE DEPT. HEADQUARTERS.

Receipt:

TOTAL RECEIPTS:

TOTAL AMOUNT

Building Inspection Division

Inspector:

Nicholas G. Chiaro

Permission must be obtained from the Engineering Division before Building Material can be placed in the highway. Surface or subsurface drains, roof drains and sump pumps must not be connected with the sanitary sewer.



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@po.state.ct.us

www.ct.gov/csc

March 24, 2006

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

RE:EM-VER-123-007-010-099-060308 - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at 165 Huntington Road, Scotland; 1657 Wilbur Cross Parkway, Berlin; 310 Watertown Road, Bethlehem; and 88 Parsonage Hill Road, Northford (North Branford), Connecticut.

Dear Attorney Baldwin:

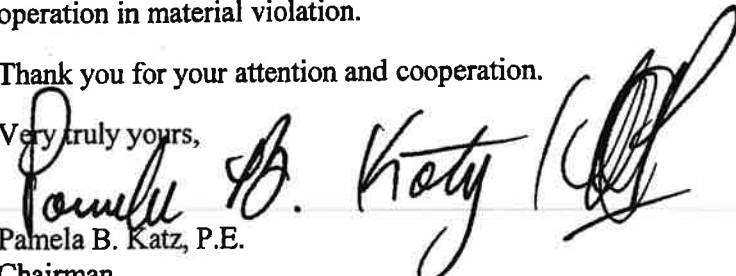
At a public meeting held on March 22, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated March 8, 2006, including the placement of all necessary equipment and shelters within the tower compounds. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to any of these facilities will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,


Pamela B. Katz, P.E.
Chairman

PBK/laf

See Attached List.

List Attachment.

- c: The Honorable Adam P. Salina, Mayor, Town of Berlin**
- Hellyn Riggins, Town Planner, Town of Berlin**
- The Honorable Leo S. Bulvanoski, First Selectman, Town of Bethlehem**
- Jeffrey Hamel, Chairman, Planning and Zoning, Town of Bethlehem**
- The Honorable Andrew Esposito III, Mayor, Town of North Branford**
- Carol Zeeb, Town Planner, Town of North Branford**
- The Honorable Elizabeth A. Wilson, First Selectman, Town of Scotland**
- Carl S. Fontneau, Town Planner, Town of Scotland**
- Berlin Fire Department**
- Jean Szwabowski, Ochenknowski Towers LLC**
- Sheila R. Becker, Regional Director of Compliance, SBA, Inc.**
- Christopher B. Fisher, Esq., Cuddy & Feder LLP**
- Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP**
- Michele G. Briggs, New Cingular Wireless PCS, LLC**
- Christine Farrell, T-Mobile, Inc.**
- Thomas F. Flynn III, Nextel Communications, Inc.**

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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



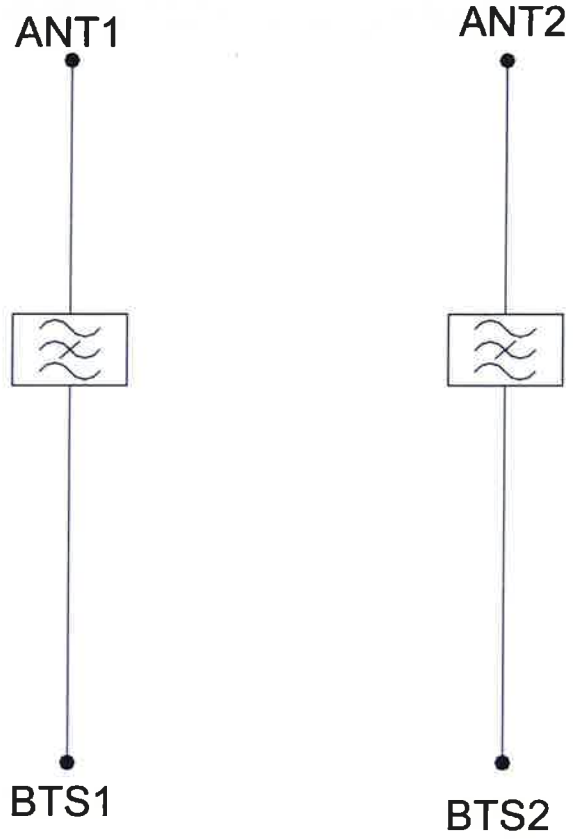
TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4,1H, RoHS, NEBS GR-487-CORE	
MECHANICAL		
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)	
Weight	8.0 kg 17.6 lbs (no bracket)	
Finish	Powder coated, light grey (RAL7035)	
Connectors	RF: 4.3-10 (F) x 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.	

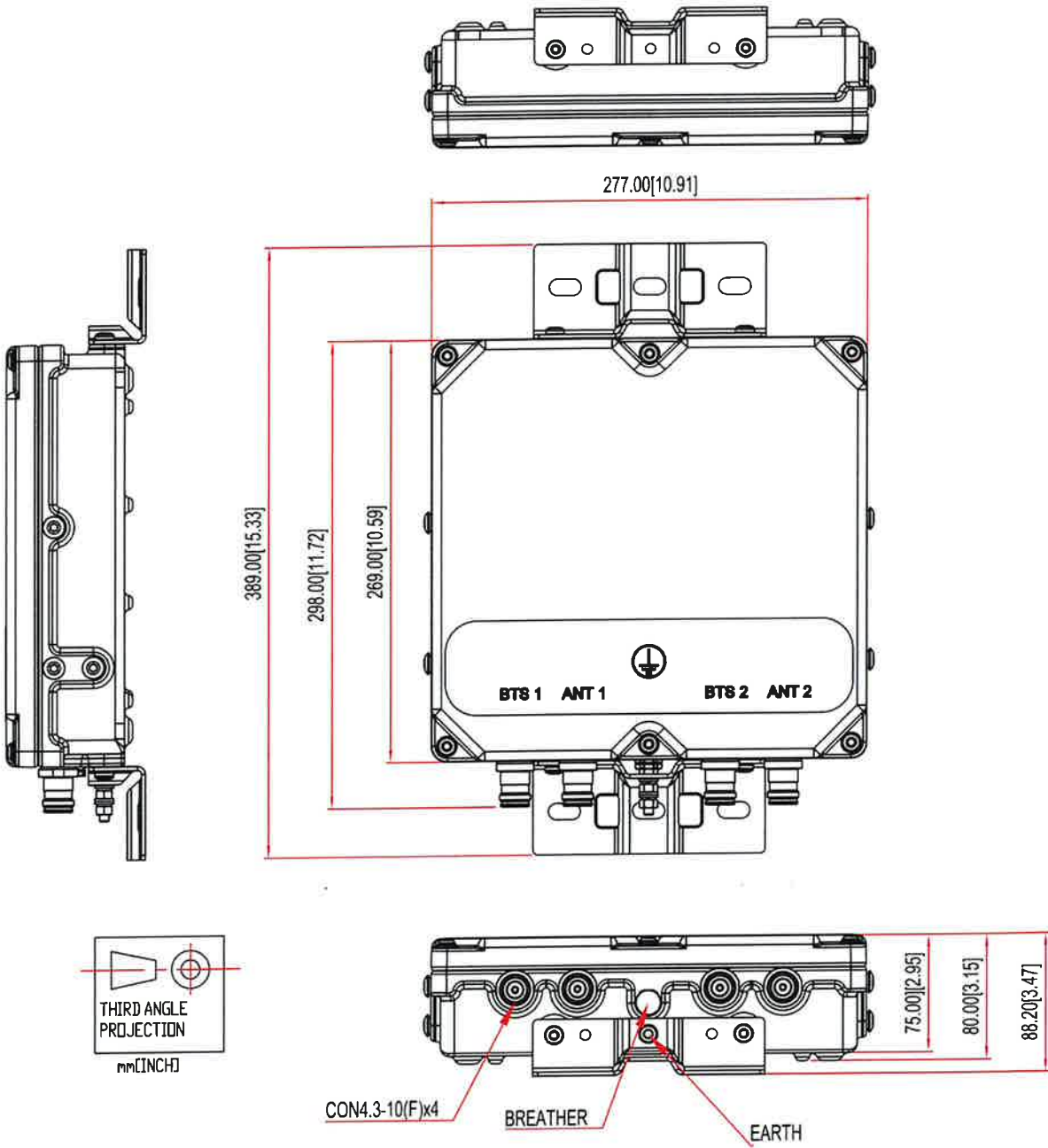
ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



Structural Analysis Report

Location Code: 467999
Site Name: Berlin 4 CT
FUZE Project ID: 17123752
Project Name: RF Filter Add
Address: 1657 Berlin Turnpike
Berlin, CT 06037

Client:

verizon^v

**20 ALEXANDER DRIVE
WALLINGFORD, CT 06492**

Date: 10/16/2023



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 175 ft. monopole 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)
-	176.0	186.0	2	Telewave	ANT150D6-9	(3) 1-1/4 (2) 7/8 (2) Cat5e
		181.0	1	-	2'' Dia 10' Omni	
		179.0	2	-	24''x24''x3'' Panel	
		178.0	2	-	2'' Dia 4' Omni	
		176.0	2	Scala	PR-900	
-	170.0	170.0	3	CCI Antennas	HPA-65R-BUU-H6-K	(6) 1-5/8 (1) RG6 (2) #8
			3	Ericsson	RRUS 11	
			3	Ericsson	RRUS 32	
			6	Powerwave	LGP21401	
			1	Raycap	DC6-48-60-18-8F	
			3	Scala	800-10121	
			1	-	Platform w/ Handrail	
-	164.5	164.5	1	-	3''x4' Omni	(2) 7/8
			1	-	4' Grid Dish	
			1	-	6' Side Arm Mount	
-	160.0	160.0	3	Ericsson	AIR21 B2A/B4P	(7) 1-5/8 (3) 1-1/4
			3	Ericsson	AIR 32	
			3	Ericsson	Radio 4449 B12/B71	
			3	-	10''x8''x3'' TMA	
			3	RFS Celwave	APXVAARR24_43-U-NA20	
			3	-	Sector Mount	
			3	-	Sector Stabilizer	

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 West Bridgewater, MA 02379
 781-713-4725



-	150.0	154.0	3	Andrew	VHLP2-11	(4) 1-1/4 (4) 1/2
			2	Andrew	VHLP800-11	
		150.0	3	Alcatel Lucent	TD-RRH8x20-25	
			3	Alcatel Lucent	TME-800MHZ 2X50W RRH	
			3	Alcatel Lucent	TME-FD-RRH-4x45- 1900	
			3	RFS Celwave	APXVSP18-C-A20	
			3	RFS Celwave	APXVTM14-C-120	
			1	-	Low Profile Platform	
-	137.0	137.0	1	-	24"x24"x3" Panel	(1) 1/2 (1) Cat5e
			1	-	6' Side Arm Mount	
			1	Telewave	ANT150D3	
Verizon Wireless	116.0	118.0	3	Amphenol	BXA-70063-6CF-EDIN- X	(2) Hybrid (6) 1-5/8
			6	Commscope	NHH-65B-R2B	
			3	Samsung	MT6407-77A	
			2	RFS Celwave	DB-B1-6C-12AB-0Z	
			3	Samsung	B2/B66A RRH-BR049	
			3	Samsung	B5/B13 RRH-BR04C	
			4	Kaelus	KA-6030	
		2	Site Pro 1	RRUDSM		
		116.0	1	-	12' Platform w/ Modifications	
-	104.8	104.8	1	-	24"x24"x3" Panel	(2) 7/8 (1) Cat5e
			1	-	6' Side Arm Mount	
			1	Telewave	ANT150D3	
		104.5	1	-	4' Grid Dish	
-	97.0	97.0	1	Andrew	VHLP1-18/F	(1) 1/2
			1	-	3' Side Arm Mount	
-	78.0	78.0	1	-	GPS	(1) 1/2
			1	-	3' Side Arm Mount	
-	50.0	51.0	1	Andrew	VHLP1-18/F	(1) 1/2
		50.0	1	-	3' Side Arm Mount	
-	35.3	35.3	1	-	GPS	(1) 1/2
			1	-	3' Side Arm Mount	

Note: Proposed equipment shown in **bold**.

Centerline Engineering Services, PA
 750 W Center St, Suite 301
 West Bridgewater, MA 02379
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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)	130 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.00 in.
Exposure Category	B
Topographic Category	1
Risk Category	III
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_s	0.201 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.055 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

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

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781-713-4725



Conclusion:

Tower Section Capacity (Summary)

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	#Poles lb	% Capacity	Pass Fall
L1	176 - 130.75	Pole	TP31.8x21x0.25	1	-16.20	1414.69	56.0	Pass
L2	130.75 - 86.12	Pole	TP41.82x30.226x0.3125	2	-28.65	2329.72	80.7	Pass
L3	86.12 - 43	Pole	TP51.36x39.8381x0.375	3	-41.38	3435.15	81.5	Pass
L4	43 - 1	Pole	TP60.5x48.9596x0.4375	4	-61.20	4879.15	76.3	Pass
							Summary	
						Pole (L3)	81.5	Pass
						RATING =	81.5	Pass

Structure Rating (Max From All Components) =	81.5%
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Foundation Capacity (Summary)

Component	% Capacity	Pass Fall
Base Plate	80.2	Pass
Anchor Rods	77.7	Pass
Foundation Rating – Structural	65.4	Pass
Foundation Rating – Soil Interaction	37.1	Pass

Foundation Rating (Max From All Components) =	80.2%
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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 Paul J. Ford and Company, dated April 26, 2021
- Antenna Mount Analysis Report by Colliers Engineering & Design Ct. P.C., dated July 19, 2023
- Lease Exhibit by Centerline, dated October 16, 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.
- Existing appurtenance information obtained from the Structural Analysis Report by Paul J. Ford and Company dated April 26, 2021 and the Lease Exhibit by Centerline, dated October 16, 2023.

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

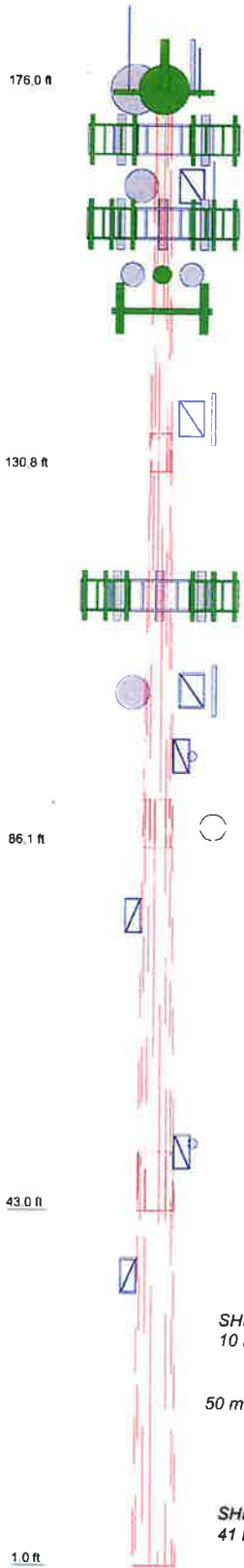
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Design Calculations

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

Section	1	2	3	4
Length (ft)	45.25	49.13	48.87	49.00
Number of Sides	18	18	18	18
Thickness (in)	0.2500	0.3125	0.3750	0.4375
Socket Length (ft)	4.50	5.75	7.00	
Top Dia (in)	21.0000	30.2260	39.6381	48.8596
Bot Dia (in)	31.8000	41.8200	51.3600	60.5000
Grade				A572-85
Weight (K)	3.2	5.9	9.0	12.6



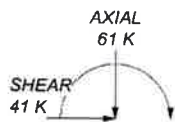
DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
(2) ANT150D6-9	176	TD-RRH8x20-25	150
2" Dia 10' Omni	176	TME-600MHZ 2X50W RRH	150
24"x24"x3" Panel	176	TME-800MHZ 2X50W RRH	150
24"x24"x3" Panel	176	TME-800MHZ 2X50W RRH	150
2" Dia 4' Omni	176	TME-FD-RRH-4x45-1900	150
2" Dia 4' Omni	176	TME-FD-RRH-4x45-1900	150
PR-900	176	TME-FD-RRH-4x45-1900	150
PR-900	176	Low Profile Platform	150
Low Profile Platform	176	APXVSP18-C-A20 w/ Mount Pipe	150
800-10121	170	VHLP800-11	150
800-10121	170	VHLP800-11	150
800-10121	170	VHLP2-11	150
HPA-65R-BUU-H6-K w/ Mount Pipe	170	VHLP2-11	150
HPA-65R-BUU-H6-K w/ Mount Pipe	170	VHLP2-11	150
HPA-65R-BUU-H6-K w/ Mount Pipe	170	ANT150D6-9	137
(2) LGP21401	170	24"x24"x3" Panel	137
(2) LGP21401	170	6' Side Arm Mount	137
(2) LGP21401	170	MT6407-77A w/ Pipe Mount	116
RRUS 11	170	MT6407-77A w/ Pipe Mount	116
RRUS 11	170	MT6407-77A w/ Pipe Mount	116
RRUS 11	170	DB-B1-6C-12AB-0Z	116
RRUS 32	170	DB-B1-6C-12AB-0Z	116
RRUS 32	170	B2/B66A RRH-BR049	116
RRUS 32	170	B2/B66A RRH-BR049	116
RRUS 32	170	B2/B66A RRH-BR049	116
DC6-48-60-18-8F	170	B2/B66A RRH-BR049	116
Platform Mount w/ Handrail	170	B5/B13 RRH-BR04C	116
3"x4' Omni	164.5	B5/B13 RRH-BR04C	116
6' Side Arm Mount	164.5	B5/B13 RRH-BR04C	116
4' Grid Dish	164.5	(2) KA-6030	116
AIR 21 B2A/B4P w/ Mount Pipe	160	(2) KA-6030	116
AIR 21 B2A/B4P w/ Mount Pipe	160	RRUDSM	116
ERICSSON AIR 32 w/ Mount Pipe	160	RRUDSM	116
ERICSSON AIR 32 w/ Mount Pipe	160	12' Platform w/ Modifications	116
ERICSSON AIR 32 w/ Mount Pipe	160	(2) NHH-65B-R2B w/ Mount Pipe	116
ERICSSON AIR 32 w/ Mount Pipe	160	(2) NHH-65B-R2B w/ Mount Pipe	116
APXVAARR24_43-U-NA20 w/ Mount Pipe	160	(2) NHH-65B-R2B w/ Mount Pipe	116
APXVAARR24_43-U-NA20 w/ Mount Pipe	160	BXA-70063-6CF-EDIN-X w/ Mount Pipe	116
APXVAARR24_43-U-NA20 w/ Mount Pipe	160	BXA-70063-6CF-EDIN-X w/ Mount Pipe	116
APXVAARR24_43-U-NA20 w/ Mount Pipe	160	BXA-70063-6CF-EDIN-X w/ Mount Pipe	116
10"x8"x3" TMA	160	BXA-70063-6CF-EDIN-X w/ Mount Pipe	116
10"x8"x3" TMA	160	ANT150D6-9	104.8
10"x8"x3" TMA	160	24"x24"x3" Panel	104.8
Radio 4449 B12/B71	160	6' Side Arm Mount	104.8
Radio 4449 B12/B71	160	4' Grid Dish	104.5
Radio 4449 B12/B71	160	Sector Mount w/ Modifications	97
Sector Mount w/ Modifications	160	VHLP1-18/F	97
Sector Mount w/ Modifications	160	GPS	78
AIR 21 B2A/B4P w/ Mount Pipe	160	3' Side Arm Mount	78
APXVSP18-C-A20 w/ Mount Pipe	150	Side Arm Mount	70
APXVSP18-C-A20 w/ Mount Pipe	150	Side Arm Mount	52
APXVSP18-C-A20 w/ Mount Pipe	150	3' Side Arm Mount	50
APXVTM14-C-120 w/ Mount Pipe	150	VHLP1-18/F	50
APXVTM14-C-120 w/ Mount Pipe	150	3' Side Arm Mount	35.3
APXVTM14-C-120 w/ Mount Pipe	150	GPS	35.3
TD-RRH8x20-25	150		
TD-RRH8x20-25	150		

ALL REACTIONS ARE FACTORED



TORQUE 1 kip-ft
50 mph WIND - 1.0000 i



TORQUE 9 kip-ft
REACTIONS - 130 mph WIND

MATERIAL STRENGTH

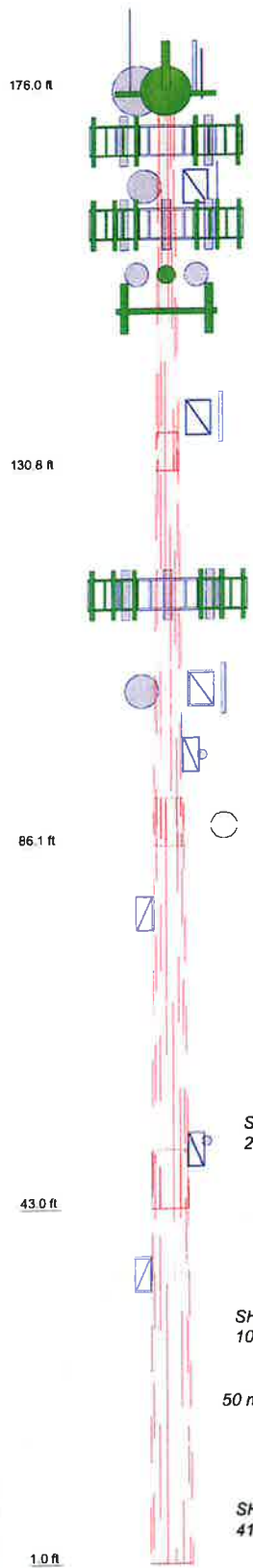
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 81.5%

	Centerline Engineering Services, PA		Job: Berlin 4 CT	
	750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:		Project: 23CLVZ-0014	
	Client: Verizon Wireless		Drawn by: jll	
	Code: TIA-222-H		Date: 10/16/23	
	Path:		App'd: _____ Scale: NTS Dwg No. E-1	

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	45.25	18	0.2500	4.50	21.0000	31.8000	A572-65	3.2
2	49.13	18	0.3125	5.75	30.2280	41.8200	A572-65	5.9
3	48.87	18	0.3750	7.00	38.8381	51.3500	A572-65	9.0
4	49.00	18	0.4375	48.9596	60.5000		A572-65	12.6
								30.6



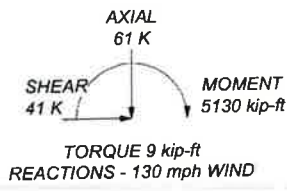
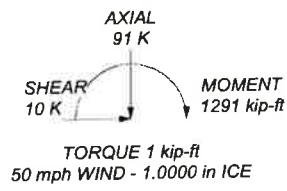
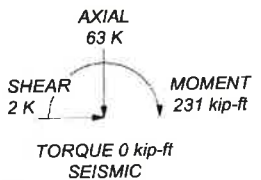
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Seismic calculations are in accordance with TIA-222-H.
9. Seismic loads do not control this analysis.
10. TOWER RATING: 81.5%

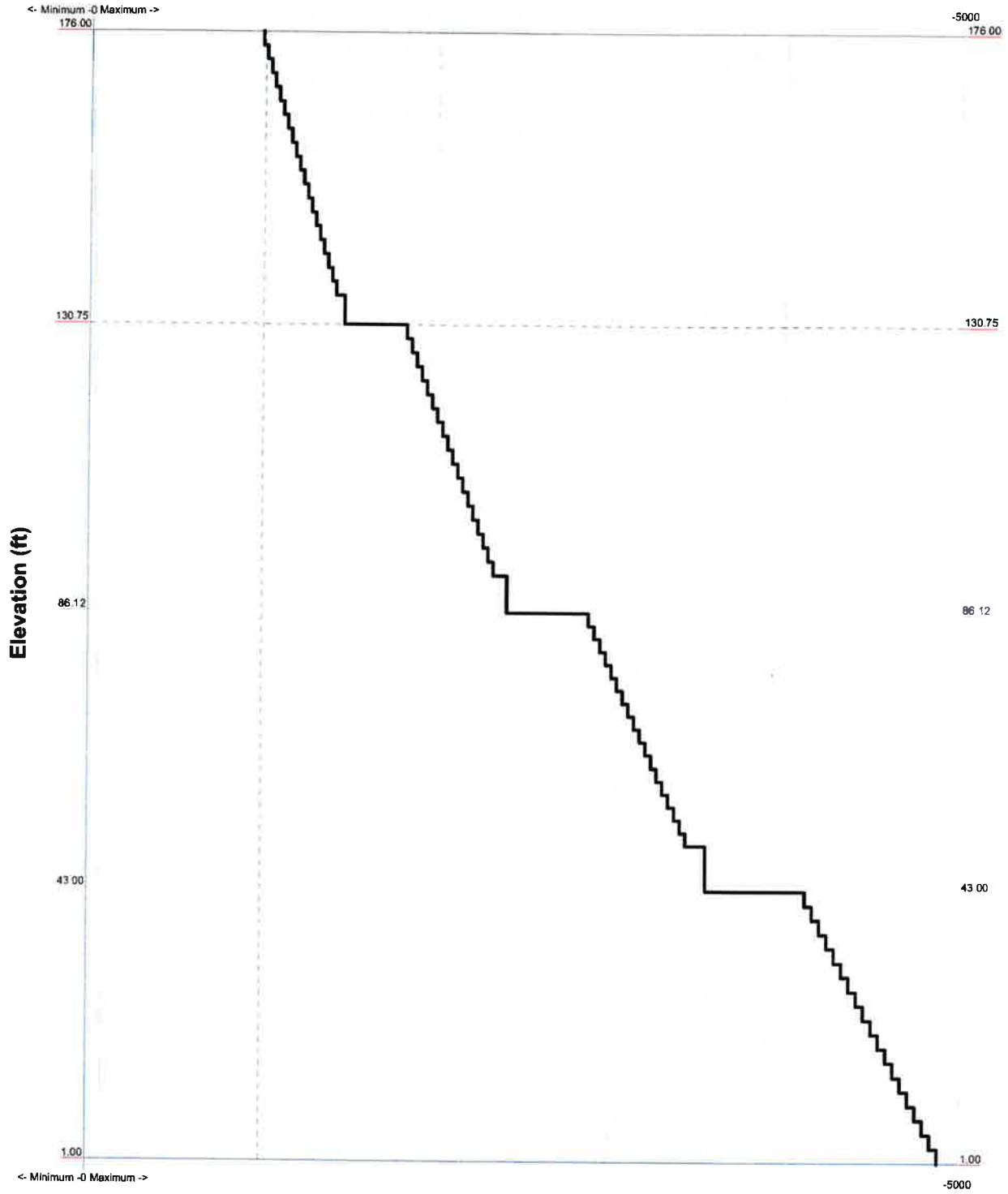
ALL REACTIONS ARE FACTORED




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	Project: 23CLVZ-0014
	Client: Verizon Wireless
	Code: TIA-222-H
	Path:
Drawn by: jll	App'd:
Date: 10/16/23	Scale: NTS
Dwg No. E-1	

TIA-222-H - 130 mph/50 mph 1.0000 in Ice Exposure B

Leg Capacity ——— Leg Compression (K)



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	Client: Verizon Wireless	Drawn by: jtt	App'd:	
	Code: TIA-222-H	Date: 10/16/23	Scale: NTS	
	Path:			Dwg No. E-3

TIA-222-H - 130 mph/50 mph 1.000 in Ice Exposure B

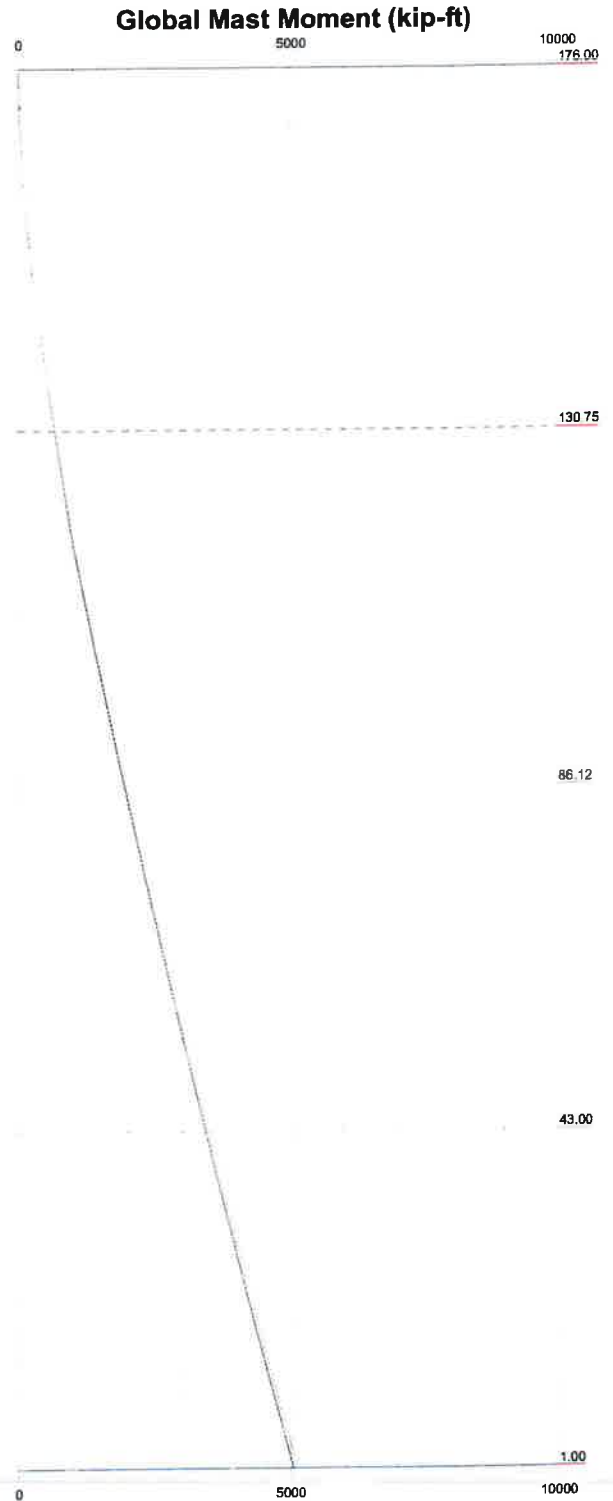
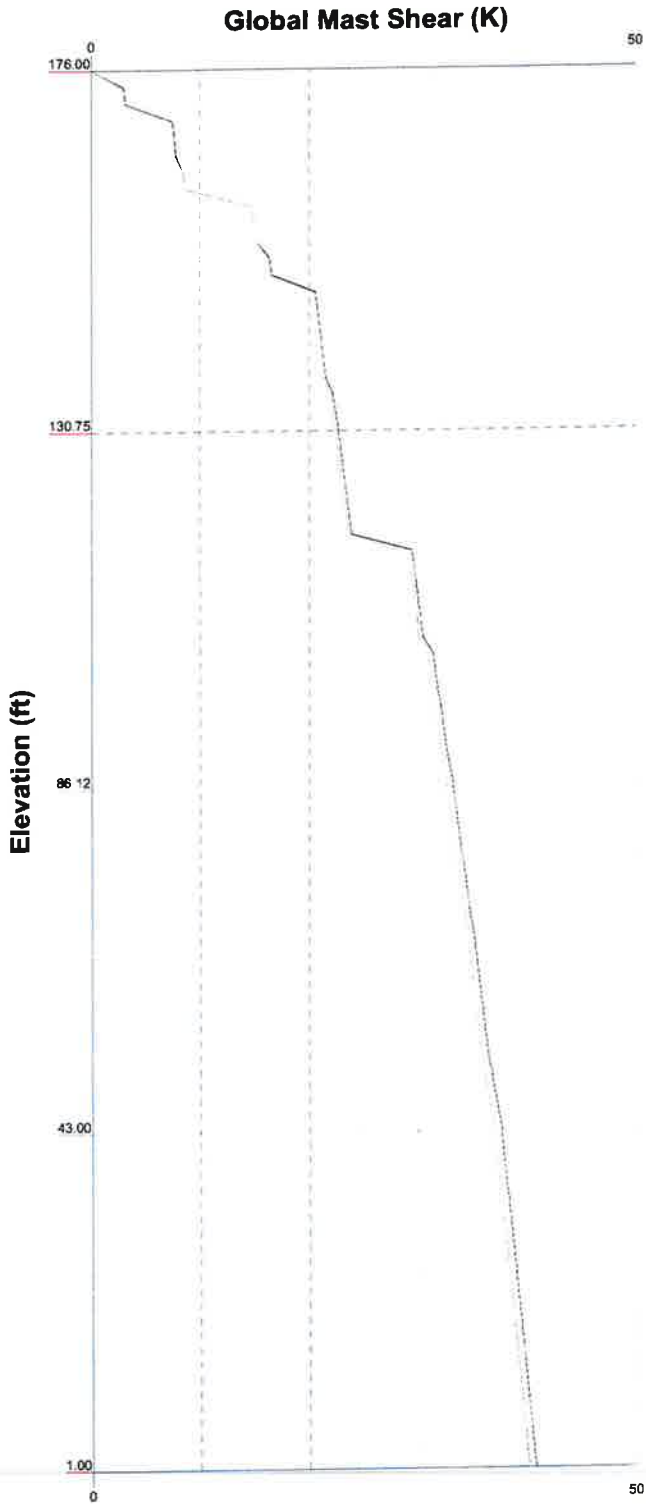
Maximum Values


Vx

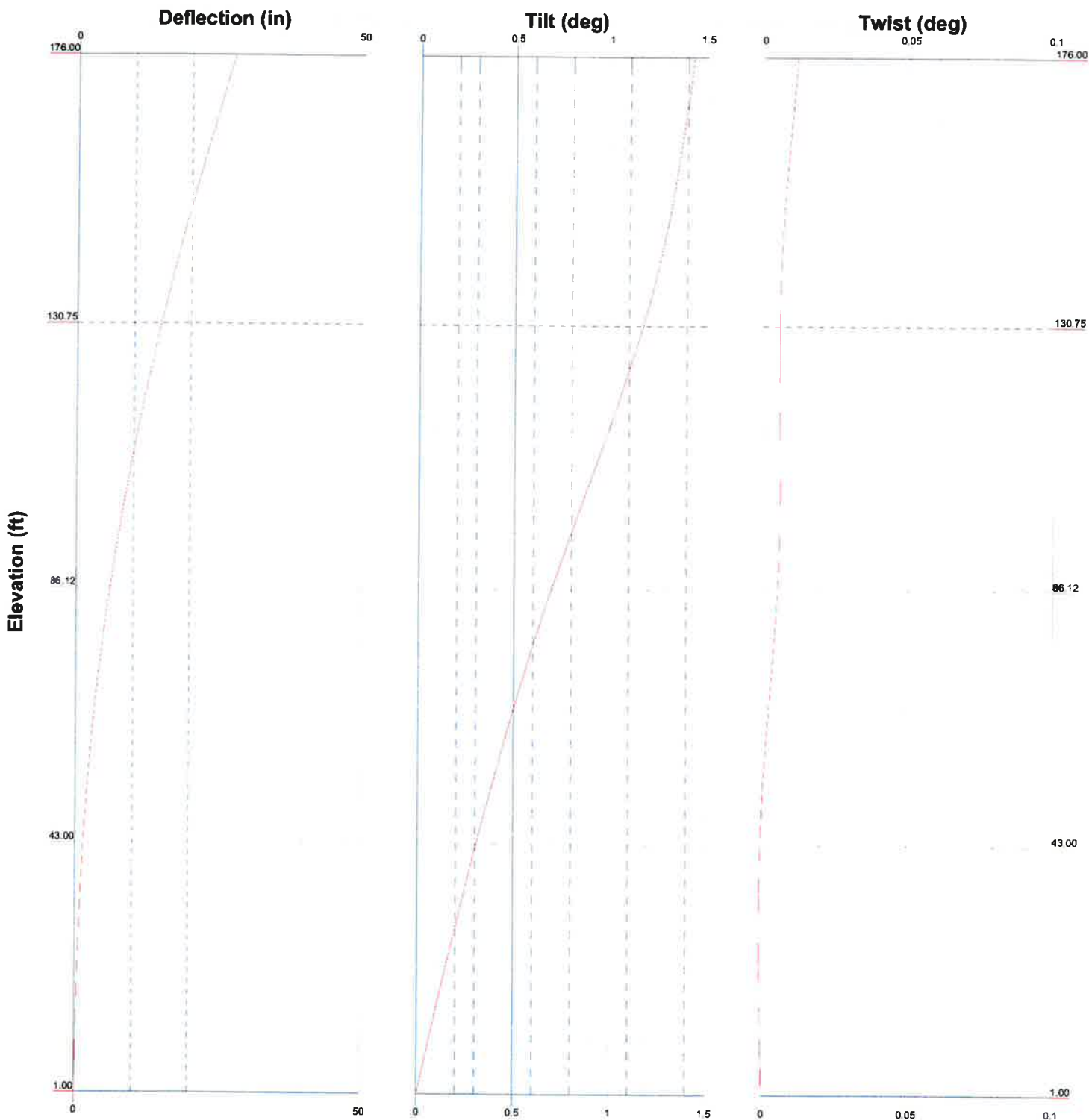
Vz

Mx

Mz



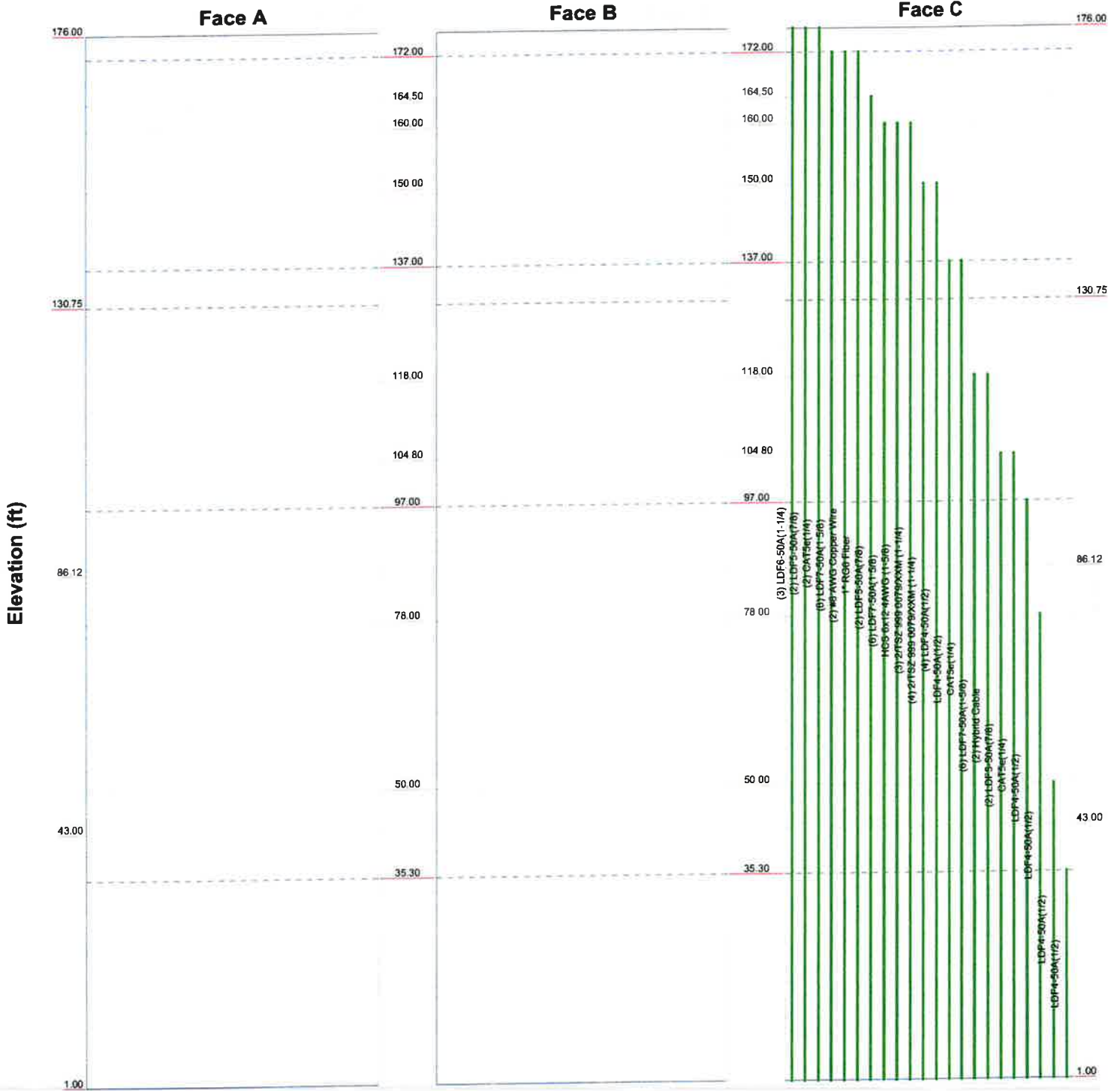
	Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:			Job: Berlin 4 CT
	Project: 23CLVZ-0014			Client: Verizon Wireless
	Code: TIA-222-H			Drawn by: jll
	Path:			Date: 10/16/23
				App'd: Scale: NTS Dwg No: E-4



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	Client: Verizon Wireless	Drawn by: jjj	App'd:	
	Code: TIA-222-H	Date: 10/16/23	Scale: NTS	
	Path:	Dwg No: E-5		10/16/23 10:00 AM

Feed Line Distribution Chart 1' - 176'

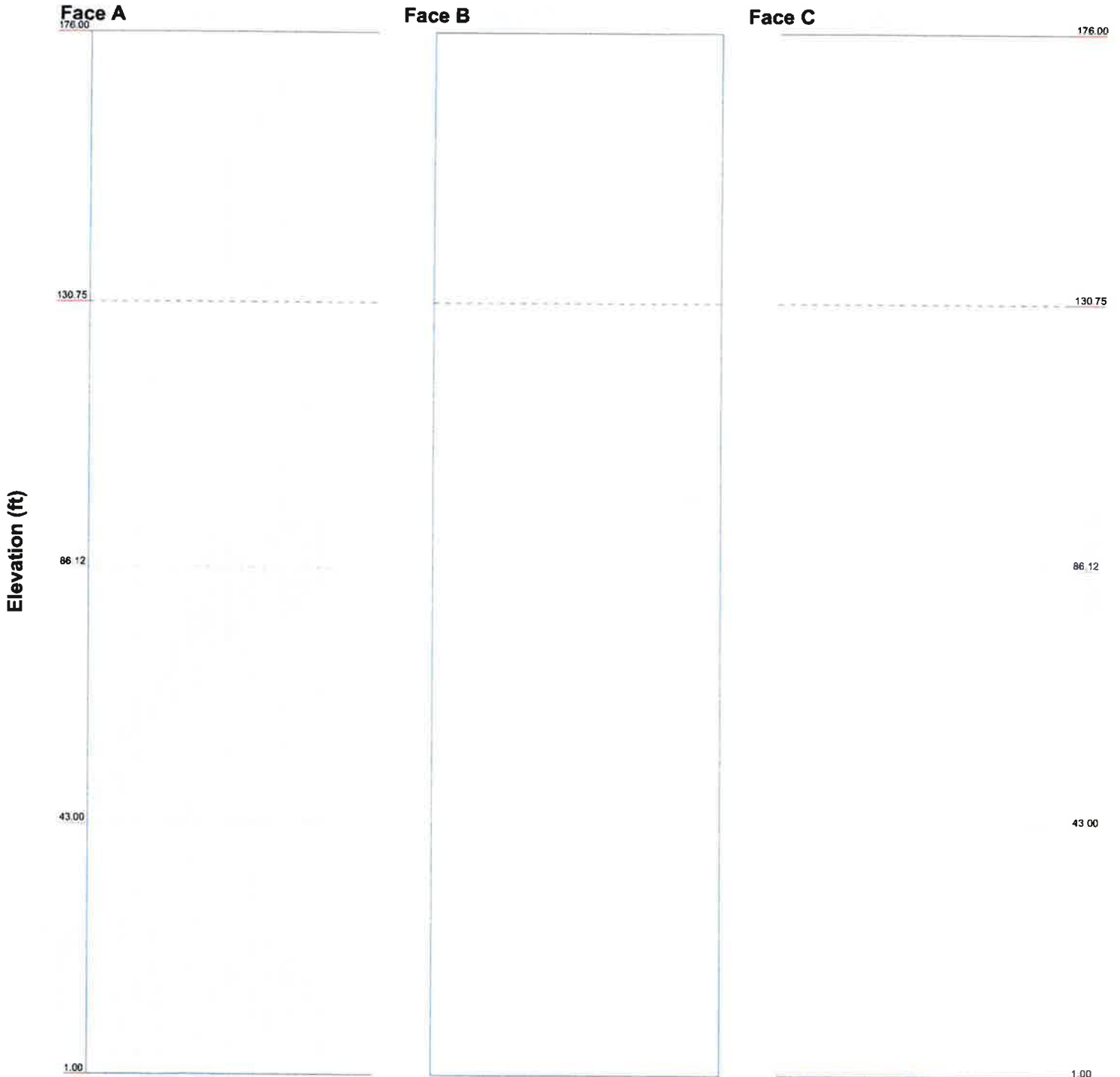
— Round
 — Flat
 — App In Face
 — App Out Face
 — Truss Leg




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Code: TIA-222-H		Date: 10/16/23	Scale: NTS
Path:			Dwg No: E-7

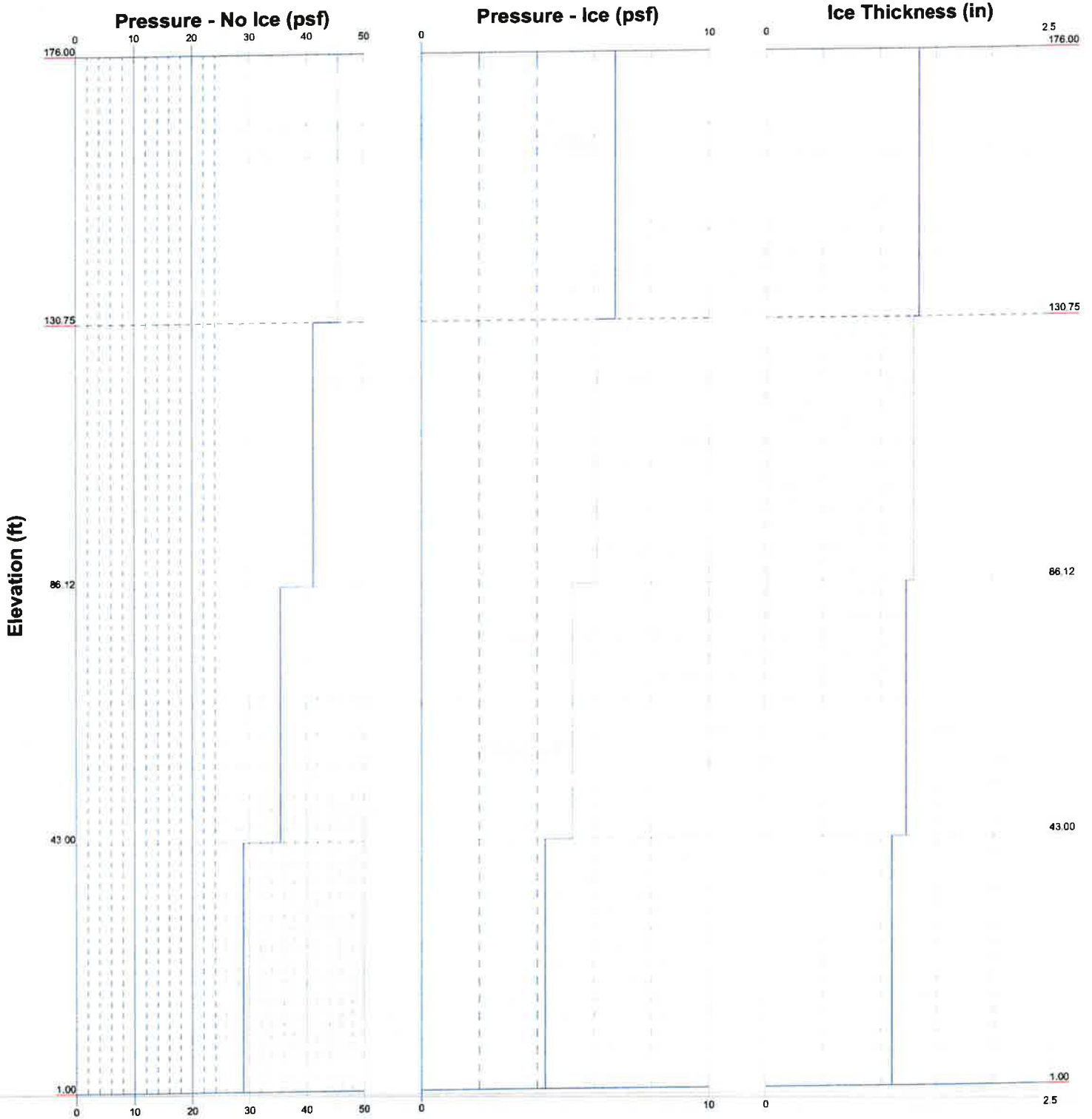
Stress Distribution Chart
1' - 176'

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



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Code: TIA-222-H	Date: 10/16/23	Scale: NTS	
Path:			Dwg No: E-8

Wind Pressures and Ice Thickness
TIA-222-H - 130 mph/50 mph 1.0000 in Ice Exposure B



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	Phone: (781) 713-4725		Client: Verizon Wireless	Drawn by: jll	App'd:
	FAX:		Code: TIA-222-H	Date: 10/16/23	Scale: NTS
			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 is located in Fairfield County, Connecticut.
- Tower base elevation above sea level: 137.00 ft.
- Basic wind speed of 130 mph.
- Risk Category III.
- 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 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 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: $K_{es}(F_w) = 1.0$, $K_{es}(t_i) = 1.0$.
- 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 Distribute Leg Loads As Uniform | <ul style="list-style-type: none"> 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 Appurtenances Alternative Appurt. EPA Calculation 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 Use ASCE 10 X-Brace Ly Rules | <ul style="list-style-type: none"> 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 |
|---|---|--|

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	176.00-130.75	45.25	4.50	18	21.0000	31.8000	0.2500	1.0000	A572-65

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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 (65 ksi)
L2	130.75-86.12	49.13	5.75	18	30.2260	41.8200	0.3125	1.2500	A572-65 (65 ksi)
L3	86.12-43.00	48.87	7.00	18	39.8381	51.3600	0.3750	1.5000	A572-65 (65 ksi)
L4	43.00-1.00	49.00		18	48.9596	60.5000	0.4375	1.7500	A572-65 (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	21.2854	16.4651	895.6507	7.3662	10.6680	83.9568	1792.4800	8.2341	3.2560	13.024
	32.2520	25.0349	3148.3461	11.2003	16.1544	194.8909	6300.8349	12.5198	5.1568	20.627
L2	31.7224	29.6704	3354.2440	10.6193	15.3548	218.4493	6712.9015	14.8380	4.7698	15.263
	42.4169	41.1703	8961.3641	14.7352	21.2446	421.8192	17934.5198	20.5890	6.8103	21.793
L3	41.7714	46.9709	9241.6271	14.0094	20.2377	456.6531	18495.4146	23.4899	6.3515	16.937
	52.0945	60.6849	19929.7987	18.0997	26.0909	763.8607	39885.8215	30.3482	8.3794	22.345
L4	51.3215	67.3790	20042.0460	17.2254	24.8715	805.8240	40110.4639	33.6959	7.8469	17.936
	61.3658	83.4043	38013.0437	21.3222	30.7340	1236.8401	76076.1060	41.7101	9.8780	22.578

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 176.00-130.75				1	1	1			
L2 130.75-86.12				1	1	1			
L3 86.12-43.00				1	1	1			
L4 43.00-1.00				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 _r A _r ft ² /ft	Weight plf
LDF6-50A(1-1/4)	C	No	No	Inside Pole	176.00 - 1.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.60
LDF5-50A(7/8)	C	No	No	Inside Pole	176.00 - 1.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.33
CAT5e(1/4)	C	No	No	Inside Pole	176.00 - 1.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.15

LDF7-50A(1 5/8)	C	No	No	Inside Pole	172.00 - 1.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.82

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
#8 AWG Copper Wire	C	No	No	Inside Pole	172.00 - 1.00	2	No Ice	0.00	0.45
							1/2" Ice	0.00	0.45
							1" Ice	0.00	0.45
1" RG6 Fiber	C	No	No	Inside Pole	172.00 - 1.00	1	No Ice	0.00	0.95
							1/2" Ice	0.00	0.95
							1" Ice	0.00	0.95

LDF5-50A(7/8)	C	No	No	Inside Pole	164.50 - 1.00	2	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33

LDF7-50A(1 5/8)	C	No	No	Inside Pole	160.00 - 1.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HCS 6x12 4AWG (1-5/8)	C	No	No	Inside Pole	160.00 - 1.00	1	No Ice	0.00	0.59
							1/2" Ice	0.00	0.59
							1" Ice	0.00	0.59
2/TSZ 999 0079/XXM (1-1/4)	C	No	No	Inside Pole	160.00 - 1.00	3	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60

2/TSZ 999 0079/XXM (1-1/4)	C	No	No	Inside Pole	150.00 - 1.00	4	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
LDF4-50A(1/2)	C	No	No	Inside Pole	150.00 - 1.00	4	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

LDF4-50A(1/2)	C	No	No	Inside Pole	137.00 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
CAT5e(1/4)	C	No	No	Inside Pole	137.00 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

LDF7-50A(1-5/8)	C	No	No	Inside Pole	118.00 - 1.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
Hybrid Cable	C	No	No	Inside Pole	118.00 - 1.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30

LDF5-50A(7/8)	C	No	No	Inside Pole	104.80 - 1.00	2	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
CAT5e(1/4)	C	No	No	Inside Pole	104.80 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

LDF4-50A(1/2)	C	No	No	Inside Pole	97.00 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

LDF4-50A(1/2)	C	No	No	Inside Pole	78.00 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

LDF4-50A(1/2)	C	No	No	Inside Pole	50.00 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf

LDF4-50A(1/2)	C	No	No	Inside Pole	35.30 - 1.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	176.00-130.75	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	0.70
L2	130.75-86.12	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	1.18
L3	86.12-43.00	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	1.27
L4	43.00-1.00	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	1.25

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 _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	176.00-130.75	A	1.340	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	0.70
L2	130.75-86.12	A	1.294	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	1.18
L3	86.12-43.00	A	1.229	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	1.27
L4	43.00-1.00	A	1.102	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	1.25

Feed Line Center of Pressure

Section	Elevation ft	CP _X in	CP _Z in	CP _X Ice in	CP _Z Ice in
L1	176.00-130.75	0.0000	0.0000	0.0000	0.0000

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Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L2	130.75-86.12	0.0000	0.0000	0.0000	0.0000
L3	86.12-43.00	0.0000	0.0000	0.0000	0.0000
L4	43.00-1.00	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	Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			ft ft ft	°	ft	ft ²	ft ²	K
(2) ANT150D6-9	C	From Face	4.00 0.00 10.00	0.0000	176.00	No Ice 3.84 1/2" Ice 6.42 1" Ice 9.00	3.84 6.42 9.00	0.00 0.00 0.00
2" Dia 10' Omni	A	From Face	4.00 0.00 5.00	0.0000	176.00	No Ice 2.00 1/2" Ice 3.03 1" Ice 4.06	2.00 3.03 4.06	0.01 0.03 0.04
24"x24"x3" Panel	B	From Face	3.00 0.00 3.00	0.0000	176.00	No Ice 4.80 1/2" Ice 5.07 1" Ice 5.34	0.72 0.87 1.03	0.04 0.07 0.09
24"x24"x3" Panel	C	From Face	3.00 0.00 3.00	0.0000	176.00	No Ice 4.80 1/2" Ice 5.07 1" Ice 5.34	0.72 0.87 1.03	0.04 0.07 0.09
2" Dia 4' Omni	A	From Face	4.00 0.00 2.00	0.0000	176.00	No Ice 0.79 1/2" Ice 1.03 1" Ice 1.27	0.79 1.03 1.27	0.01 0.01 0.02
2" Dia 4' Omni	B	From Face	4.00 0.00 2.00	0.0000	176.00	No Ice 0.79 1/2" Ice 1.03 1" Ice 1.27	0.79 1.03 1.27	0.01 0.01 0.02
PR-900	A	From Face	3.00 0.00 0.00	0.0000	176.00	No Ice 6.35 1/2" Ice 11.43 1" Ice 16.51	6.35 11.43 16.51	0.04 0.05 0.06
PR-900	C	From Face	3.00 0.00 0.00	0.0000	176.00	No Ice 6.35 1/2" Ice 11.43 1" Ice 16.51	6.35 11.43 16.51	0.04 0.05 0.06
Low Profile Platform	C	None		0.0000	176.00	No Ice 18.38 1/2" Ice 22.11 1" Ice 25.84	18.38 22.11 25.84	2.10 2.65 3.20

800-10121	A	From Face	4.00 -5.00 0.00	0.0000	170.00	No Ice 5.16 1/2" Ice 5.51 1" Ice 5.87	3.29 3.64 3.99	0.04 0.08 0.11
800-10121	B	From Face	4.00 -5.00 0.00	0.0000	170.00	No Ice 5.16 1/2" Ice 5.51 1" Ice 5.87	3.29 3.64 3.99	0.04 0.08 0.11
800-10121	C	From Face	4.00 -5.00 0.00	0.0000	170.00	No Ice 5.16 1/2" Ice 5.51 1" Ice 5.87	3.29 3.64 3.99	0.04 0.08 0.11
HPA-65R-BUU-H6-K w/ Mount Pipe	A	From Face	4.00 5.00 0.00	0.0000	170.00	No Ice 9.72 1/2" Ice 10.30 1" Ice 10.84	7.15 8.34 9.24	0.09 0.16 0.25

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	Client	Verizon Wireless	Designed by	jll

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight
			Horz	Lateral					
HPA-65R-BUU-H6-K w/ Mount Pipe	B	From Face	4.00	0.0000	170.00	No Ice	9.72	7.15	0.09
			5.00			1/2" Ice	10.30	8.34	0.16
			0.00			1" Ice	10.84	9.24	0.25
HPA-65R-BUU-H6-K w/ Mount Pipe	C	From Face	4.00	0.0000	170.00	No Ice	9.72	7.15	0.09
			5.00			1/2" Ice	10.30	8.34	0.16
			0.00			1" Ice	10.84	9.24	0.25
(2) LGP21401	A	From Face	4.00	0.0000	170.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03
(2) LGP21401	B	From Face	4.00	0.0000	170.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03
(2) LGP21401	C	From Face	4.00	0.0000	170.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03
RRUS 11	A	From Face	4.00	0.0000	170.00	No Ice	2.78	1.19	0.05
			0.00			1/2" Ice	2.99	1.33	0.07
			0.00			1" Ice	3.21	1.49	0.09
RRUS 11	B	From Face	4.00	0.0000	170.00	No Ice	2.78	1.19	0.05
			0.00			1/2" Ice	2.99	1.33	0.07
			0.00			1" Ice	3.21	1.49	0.09
RRUS 11	C	From Face	4.00	0.0000	170.00	No Ice	2.78	1.19	0.05
			0.00			1/2" Ice	2.99	1.33	0.07
			0.00			1" Ice	3.21	1.49	0.09
RRUS 32	A	From Face	4.00	0.0000	170.00	No Ice	2.86	1.78	0.06
			0.00			1/2" Ice	3.08	1.97	0.08
			0.00			1" Ice	3.32	2.17	0.10
RRUS 32	B	From Face	4.00	0.0000	170.00	No Ice	2.86	1.78	0.06
			0.00			1/2" Ice	3.08	1.97	0.08
			0.00			1" Ice	3.32	2.17	0.10
RRUS 32	C	From Face	4.00	0.0000	170.00	No Ice	2.86	1.78	0.06
			0.00			1/2" Ice	3.08	1.97	0.08
			0.00			1" Ice	3.32	2.17	0.10
DC6-48-60-18-8F	C	From Face	4.00	0.0000	170.00	No Ice	0.79	0.79	0.02
			0.00			1/2" Ice	1.27	1.27	0.04
			0.00			1" Ice	1.45	1.45	0.05
Platform Mount w/ Handrail	C	None		0.0000	170.00	No Ice	27.65	27.65	2.17
						1/2" Ice	34.74	34.74	2.83
						1" Ice	41.83	41.83	3.50
***** 3"x4' Omni	B	From Face	6.00	0.0000	164.50	No Ice	1.00	1.00	0.04
			0.00			1/2" Ice	1.25	1.25	0.04
			0.00			1" Ice	1.50	1.50	0.05
6' Side Arm Mount	B	From Face	3.00	0.0000	164.50	No Ice	1.85	1.85	0.07
			0.00			1/2" Ice	2.46	2.46	0.09
			0.00			1" Ice	3.06	3.06	0.11
***** AIR 21 B2A/B4P w/ Mount Pipe	A	From Face	4.00	0.0000	160.00	No Ice	6.16	5.55	0.10
			0.00			1/2" Ice	6.60	6.30	0.16
			0.00			1" Ice	7.03	7.00	0.22
AIR 21 B2A/B4P w/ Mount Pipe	B	From Face	4.00	0.0000	160.00	No Ice	6.16	5.55	0.10
			0.00			1/2" Ice	6.60	6.30	0.16
			0.00			1" Ice	7.03	7.00	0.22
AIR 21 B2A/B4P w/ Mount Pipe	C	From Face	4.00	0.0000	160.00	No Ice	6.16	5.55	0.10
			0.00			1/2" Ice	6.60	6.30	0.16
			0.00			1" Ice	7.03	7.00	0.22
ERICSSON AIR 32 w/	A	From Face	4.00	0.0000	160.00	No Ice	6.04	5.72	0.13

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{A,A} Front	C _{A,A} Side	Weight
			Horz	Lateral					
Mount Pipe			0.00						
			0.00			1/2" Ice	6.47	6.46	0.19
ERICSSON AIR 32 w/ Mount Pipe	B	From Face	4.00	0.0000	160.00	1" Ice	6.90	7.15	0.25
			0.00			No Ice	6.04	5.72	0.13
			0.00			1/2" Ice	6.47	6.46	0.19
ERICSSON AIR 32 w/ Mount Pipe	C	From Face	4.00	0.0000	160.00	1" Ice	6.90	7.15	0.25
			0.00			No Ice	6.04	5.72	0.13
			0.00			1/2" Ice	6.47	6.46	0.19
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Face	4.00	0.0000	160.00	1" Ice	6.90	7.15	0.25
			0.00			No Ice	20.24	10.79	0.16
			0.00			1/2" Ice	20.89	12.21	0.29
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Face	4.00	0.0000	160.00	1" Ice	21.55	13.49	0.44
			0.00			No Ice	20.24	10.79	0.16
			0.00			1/2" Ice	20.89	12.21	0.29
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Face	4.00	0.0000	160.00	1" Ice	21.55	13.49	0.44
			0.00			No Ice	20.24	10.79	0.16
			0.00			1/2" Ice	20.89	12.21	0.29
10"x8"x3" TMA	A	From Face	4.00	0.0000	160.00	1" Ice	21.55	13.49	0.44
			0.00			No Ice	0.67	0.26	0.01
			0.00			1/2" Ice	0.77	0.33	0.01
10"x8"x3" TMA	B	From Face	4.00	0.0000	160.00	1" Ice	0.87	0.40	0.02
			0.00			No Ice	0.67	0.26	0.01
			0.00			1/2" Ice	0.77	0.33	0.01
10"x8"x3" TMA	C	From Face	4.00	0.0000	160.00	1" Ice	0.87	0.40	0.02
			0.00			No Ice	0.67	0.26	0.01
			0.00			1/2" Ice	0.77	0.33	0.01
Radio 4449 B12/B71	A	From Face	4.00	0.0000	160.00	1" Ice	0.87	0.40	0.02
			0.00			No Ice	1.97	1.57	0.07
			0.00			1/2" Ice	2.15	1.73	0.09
Radio 4449 B12/B71	B	From Face	4.00	0.0000	160.00	1" Ice	2.33	1.90	0.12
			0.00			No Ice	1.97	1.57	0.07
			0.00			1/2" Ice	2.15	1.73	0.09
Radio 4449 B12/B71	C	From Face	4.00	0.0000	160.00	1" Ice	2.33	1.90	0.12
			0.00			No Ice	1.97	1.57	0.07
			0.00			1/2" Ice	2.15	1.73	0.09
Sector Mount w/ Modifications	A	From Face	2.00	0.0000	160.00	1" Ice	2.33	1.90	0.12
			0.00			No Ice	16.86	15.39	0.61
			0.00			1/2" Ice	22.24	20.81	0.83
Sector Mount w/ Modifications	B	From Face	2.00	0.0000	160.00	1" Ice	27.62	26.23	1.05
			0.00			No Ice	16.86	15.39	0.61
			0.00			1/2" Ice	22.24	20.81	0.83
Sector Mount w/ Modifications	C	From Face	2.00	0.0000	160.00	1" Ice	27.62	26.23	1.05
			0.00			No Ice	16.86	15.39	0.61
			0.00			1/2" Ice	22.24	20.81	0.83
*****			0.00			1" Ice	27.62	26.23	1.05
APXVSP18-C-A20 w/ Mount Pipe	A	From Face	4.00	0.0000	150.00	No Ice	8.26	6.95	0.08
			0.00			1/2" Ice	8.82	8.13	0.15
			0.00			1" Ice	9.35	9.02	0.23
APXVSP18-C-A20 w/ Mount Pipe	B	From Face	4.00	0.0000	150.00	No Ice	8.26	6.95	0.08
			0.00			1/2" Ice	8.82	8.13	0.15
			0.00			1" Ice	9.35	9.02	0.23
APXVSP18-C-A20 w/ Mount Pipe	C	From Face	4.00	0.0000	150.00	No Ice	8.26	6.95	0.08
			0.00			1/2" Ice	8.82	8.13	0.15
			0.00			1" Ice	9.35	9.02	0.23
APXVTM14-C-120 w/ Mount Pipe	A	From Face	4.00	0.0000	150.00	No Ice	6.58	4.96	0.07
			0.00			1/2" Ice	7.03	5.75	0.13
			0.00			1" Ice	7.47	6.47	0.19

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	Client	Verizon Wireless	Designed by	jll

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A		Weight
			Horz	Lateral			Front	Side	
			ft	ft	°	ft	ft ²	ft ²	K
APXVTM14-C-120 w/ Mount Pipe	B	From Face	4.00	0.0000	150.00	No Ice	6.58	4.96	0.07
			0.00			1/2" Ice	7.03	5.75	0.13
			0.00			1" Ice	7.47	6.47	0.19
APXVTM14-C-120 w/ Mount Pipe	C	From Face	4.00	0.0000	150.00	No Ice	6.58	4.96	0.07
			0.00			1/2" Ice	7.03	5.75	0.13
			0.00			1" Ice	7.47	6.47	0.19
TD-RRH8x20-25	A	From Face	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
TD-RRH8x20-25	B	From Face	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
TD-RRH8x20-25	C	From Face	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
TME-800MHZ 2X50W RRH	A	From Face	4.00	0.0000	150.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
TME-800MHZ 2X50W RRH	B	From Face	4.00	0.0000	150.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
TME-800MHZ 2X50W RRH	C	From Face	4.00	0.0000	150.00	No Ice	2.13	1.77	0.05
			0.00			1/2" Ice	2.32	1.95	0.07
			0.00			1" Ice	2.51	2.13	0.10
TME-FD-RRH-4x45-1900	A	From Face	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.52	2.44	0.08
			0.00			1" Ice	2.73	2.64	0.11
TME-FD-RRH-4x45-1900	B	From Face	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.52	2.44	0.08
			0.00			1" Ice	2.73	2.64	0.11
TME-FD-RRH-4x45-1900	C	From Face	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.52	2.44	0.08
			0.00			1" Ice	2.73	2.64	0.11
Low Profile Platform	C	None		0.0000	150.00	No Ice	18.38	18.38	2.10
						1/2" Ice	22.11	22.11	2.65
						1" Ice	25.87	25.84	3.20
***** ANT150D6-9	B	From Face	6.00	0.0000	137.00	No Ice	3.84	3.84	0.00
			0.00			1/2" Ice	6.42	6.42	0.00
			0.00			1" Ice	9.00	9.00	0.00
24"x24"x3" Panel	B	From Face	6.00	0.0000	137.00	No Ice	4.80	0.72	0.04
			0.00			1/2" Ice	5.07	0.87	0.07
			0.00			1" Ice	5.34	1.03	0.09
6' Side Arm Mount	B	From Face	3.00	0.0000	137.00	No Ice	1.85	1.85	0.07
			0.00			1/2" Ice	2.46	2.46	0.09
			0.00			1" Ice	3.06	3.06	0.11
***** BXA-70063-6CF-EDIN-X w/ Mount Pipe	A	From Face	4.00	0.0000	116.00	No Ice	7.81	5.80	0.04
			0.00			1/2" Ice	8.36	6.95	0.10
			2.00			1" Ice	8.87	7.82	0.17
BXA-70063-6CF-EDIN-X w/ Mount Pipe	B	From Face	4.00	0.0000	116.00	No Ice	7.81	5.80	0.04
			0.00			1/2" Ice	8.36	6.95	0.10
			2.00			1" Ice	8.87	7.82	0.17
BXA-70063-6CF-EDIN-X w/ Mount Pipe	C	From Face	4.00	0.0000	116.00	No Ice	7.81	5.80	0.04
			0.00			1/2" Ice	8.36	6.95	0.10
			2.00			1" Ice	8.87	7.82	0.17
(2) NHH-65B-R2B w/ Mount	A	From Face	4.00	0.0000	116.00	No Ice	8.32	7.00	0.07

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
Pipe			0.00						
			2.00			1/2" Ice	8.88	8.19	0.14
(2) NHH-65B-R2B w/ Mount Pipe	B	From Face	4.00	0.0000	116.00	1" Ice	9.40	9.08	0.21
			0.00			No Ice	8.32	7.00	0.07
			2.00			1/2" Ice	8.88	8.19	0.14
(2) NHH-65B-R2B w/ Mount Pipe	C	From Face	4.00	0.0000	116.00	1" Ice	9.40	9.08	0.21
			0.00			No Ice	8.32	7.00	0.07
			2.00			1/2" Ice	8.88	8.19	0.14
MT6407-77A w/ Pipe Mount	A	From Face	4.00	0.0000	116.00	1" Ice	9.40	9.08	0.21
			0.00			No Ice	4.71	2.43	0.10
			2.00			1/2" Ice	5.01	2.84	0.14
MT6407-77A w/ Pipe Mount	B	From Face	4.00	0.0000	116.00	1" Ice	5.31	3.26	0.18
			0.00			No Ice	4.71	2.43	0.10
			2.00			1/2" Ice	5.01	2.84	0.14
MT6407-77A w/ Pipe Mount	C	From Face	4.00	0.0000	116.00	1" Ice	5.31	3.26	0.18
			0.00			No Ice	4.71	2.43	0.10
			2.00			1/2" Ice	5.01	2.84	0.14
DB-B1-6C-12AB-0Z	A	From Face	4.00	0.0000	116.00	1" Ice	5.31	3.26	0.18
			0.00			No Ice	3.36	2.19	0.02
			2.00			1/2" Ice	3.60	2.39	0.05
DB-B1-6C-12AB-0Z	B	From Face	4.00	0.0000	116.00	1" Ice	3.84	2.61	0.08
			0.00			No Ice	3.36	2.19	0.02
			2.00			1/2" Ice	3.60	2.39	0.05
B2/B66A RRH-BR049	A	From Face	4.00	0.0000	116.00	1" Ice	3.84	2.61	0.08
			0.00			No Ice	1.88	1.25	0.08
			2.00			1/2" Ice	2.05	1.39	0.10
B2/B66A RRH-BR049	B	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.54	0.12
			0.00			No Ice	1.88	1.25	0.08
			2.00			1/2" Ice	2.05	1.39	0.10
B2/B66A RRH-BR049	C	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.54	0.12
			0.00			No Ice	1.88	1.25	0.08
			2.00			1/2" Ice	2.05	1.39	0.10
B5/B13 RRH-BR04C	A	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.54	0.12
			0.00			No Ice	1.88	1.01	0.07
			2.00			1/2" Ice	2.05	1.14	0.09
B5/B13 RRH-BR04C	B	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.28	0.11
			0.00			No Ice	1.88	1.01	0.07
			2.00			1/2" Ice	2.05	1.14	0.09
B5/B13 RRH-BR04C	C	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.28	0.11
			0.00			No Ice	1.88	1.01	0.07
			2.00			1/2" Ice	2.05	1.14	0.09
(2) KA-6030	A	From Face	4.00	0.0000	116.00	1" Ice	2.22	1.28	0.11
			0.00			No Ice	0.77	0.28	0.03
			2.00			1/2" Ice	0.88	0.35	0.03
(2) KA-6030	B	From Face	4.00	0.0000	116.00	1" Ice	0.99	0.42	0.04
			0.00			No Ice	0.77	0.28	0.03
			2.00			1/2" Ice	0.88	0.35	0.03
RRUDSM	A	From Face	4.00	0.0000	116.00	1" Ice	0.99	0.42	0.04
			0.00			No Ice	1.12	1.12	0.04
			2.00			1/2" Ice	1.69	1.69	0.09
RRUDSM	B	From Face	4.00	0.0000	116.00	1" Ice	2.25	2.25	0.13
			0.00			No Ice	1.12	1.12	0.04
			2.00			1/2" Ice	1.69	1.69	0.09
12' Platform w/ Modifications	C	None	2.00	0.0000	116.00	1" Ice	2.25	2.25	0.13
						No Ice	29.66	29.66	1.86
						1/2" Ice	37.84	37.84	2.41
						1" Ice	46.02	46.02	2.96

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A		Weight
			Horz	Lateral			Front	Side	
			ft	ft	°	ft	ft ²	ft ²	K
ANT150D6-9	B	From Face	6.00	0.0000	104.80	No Ice	3.84	3.84	0.00
			0.00			1/2" Ice	6.42	6.42	0.00
			0.00			1" Ice	9.00	9.00	0.00
24"x24"x3" Panel	B	From Face	6.00	0.0000	104.80	No Ice	4.80	0.72	0.04
			0.00			1/2" Ice	5.07	0.87	0.07
			0.00			1" Ice	5.34	1.03	0.09
6' Side Arm Mount	B	From Face	3.00	0.0000	104.80	No Ice	1.85	1.85	0.07
			0.00			1/2" Ice	2.46	2.46	0.09
			0.00			1" Ice	3.06	3.06	0.11

3' Side Arm Mount	B	From Face	1.50	0.0000	97.00	No Ice	0.76	0.76	0.03
			0.00			1/2" Ice	0.96	0.96	0.04
			0.00			1" Ice	1.15	1.15	0.05

GPS	A	From Face	3.00	0.0000	78.00	No Ice	1.00	1.00	0.01
			0.00			1/2" Ice	1.50	1.50	0.01
			0.00			1" Ice	2.00	2.00	0.02
3' Side Arm Mount	A	From Face	1.50	0.0000	78.00	No Ice	0.76	0.76	0.03
			0.00			1/2" Ice	0.96	0.96	0.04
			0.00			1" Ice	1.15	1.15	0.05

3' Side Arm Mount	B	From Face	1.50	0.0000	50.00	No Ice	0.76	0.76	0.03
			0.00			1/2" Ice	0.96	0.96	0.04
			0.00			1" Ice	1.15	1.15	0.05

GPS	A	From Face	3.00	0.0000	35.30	No Ice	1.00	1.00	0.01
			0.00			1/2" Ice	1.50	1.50	0.01
			0.00			1" Ice	2.00	2.00	0.02
3' Side Arm Mount	A	From Face	1.50	0.0000	35.30	No Ice	0.76	0.76	0.03
			0.00			1/2" Ice	0.96	0.96	0.04
			0.00			1" Ice	1.15	1.15	0.05

Side Arm Mount	C	From Face	0.50	0.0000	70.00	No Ice	1.78	2.61	0.10
			0.00			1/2" Ice	2.24	3.15	0.12
			0.00			1" Ice	2.70	3.69	0.14
Side Arm Mount	C	From Face	0.50	0.0000	52.00	No Ice	1.78	2.61	0.10
			0.00			1/2" Ice	2.24	3.15	0.12
			0.00			1" Ice	2.70	3.69	0.14

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight
				Horz	Lateral						
			ft	ft	°	°	ft	ft	ft ²	K	
4' Grid Dish	A	Grid	From Face	2.00	0.0000	164.50	4.00	No Ice	12.57	0.10	
				0.00					1/2" Ice	13.10	0.17
				0.00					1" Ice	13.63	0.25

VHLP800-11	A	Paraboloid	From	3.00	0.0000	150.00	2.92	No Ice	6.68	0.02	

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Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight	
				ft	°	°	ft	ft	ft ²	K	
VHLP800-11	B	Paraboloid w/Shroud (HP)	From Face	0.00	0.0000		150.00	2.92	1/2" Ice	7.07	0.03
				4.00					1" Ice	7.46	0.03
				3.00					No Ice	6.68	0.02
				0.00					1/2" Ice	7.07	0.03
VHLP2-11	A	Paraboloid w/Radome	From Face	4.00	0.0000		150.00	2.17	1" Ice	7.46	0.03
				3.00					No Ice	3.72	0.03
				0.00					1/2" Ice	4.01	0.05
				4.00					1" Ice	4.30	0.07
VHLP2-11	B	Paraboloid w/Radome	From Face	3.00	0.0000		150.00	2.17	No Ice	3.72	0.03
				0.00					1/2" Ice	4.01	0.05
				4.00					1" Ice	4.30	0.07
				3.00					No Ice	3.72	0.03
VHLP2-11	C	Paraboloid w/Radome	From Face	0.00	0.0000		150.00	2.17	1/2" Ice	4.01	0.05
				4.00					1" Ice	4.30	0.07
				0.00					No Ice	3.72	0.03
				4.00					1/2" Ice	4.01	0.05
*****				4.00					4.30	0.07	
4' Grid Dish	A	Grid	From Face	2.00	0.0000		104.50	4.00	No Ice	12.57	0.10
				0.00					1/2" Ice	13.10	0.17
				0.00					1" Ice	13.63	0.25

VHLP1-18/F	B	Paraboloid w/Shroud (HP)	From Face	3.00	0.0000		97.00	1.27	No Ice	1.28	0.01
				0.00					1/2" Ice	1.45	0.02
				0.00					1" Ice	1.62	0.03

VHLP1-18/F	B	Paraboloid w/Shroud (HP)	From Face	3.00	0.0000		50.00	1.27	No Ice	1.28	0.01
				0.00					1/2" Ice	1.45	0.02
				1.00					1" Ice	1.62	0.03

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

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Comb. No.	Description
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
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	176 - 130.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.55	-1.33	1.55
			Max. Mx	8	-16.20	-572.27	-0.16
			Max. My	14	-16.25	-2.15	-569.04
			Max. Vy	8	22.20	-572.27	-0.16
			Max. Vx	14	21.94	-2.15	-569.04
			Max. Torque	12			-6.12
			Max Tension	1	0.00	0.00	0.00
L2	130.75 - 86.12	Pole	Max. Compression	26	-53.29	-2.13	5.30
			Max. Mx	8	-28.65	-1772.38	0.24
			Max. My	14	-28.71	-4.77	-1751.47
			Max. Vy	20	-32.51	1769.69	5.45
			Max. Vx	14	31.97	-4.77	-1751.47
			Max. Torque	9			9.61
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.54	-2.05	4.80
L3	86.12 - 43	Pole	Max. Mx	8	-41.38	-3222.87	-0.90
			Max. My	14	-41.41	-6.48	-3179.68
			Max. Vy	20	-36.80	3220.94	7.47
			Max. Vx	14	36.19	-6.48	-3179.68
			Max. Torque	9			9.74
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-91.48	-1.95	5.05
			Max. Mx	8	-61.20	-5129.81	-1.00
L4	43 - 1	Pole	Max. My	14	-61.20	-6.97	-5057.83
			Max. Vy	20	-40.88	5129.23	9.30
			Max. Vx	14	40.28	-6.97	-5057.83
			Max. Torque	9			9.44

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
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Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	91.48	-9.88	-0.15
	Max. H _x	20	61.23	40.84	0.03
	Max. H _z	3	45.92	0.07	40.14
	Max. M _x	2	5047.08	0.07	40.14
	Max. M _z	8	5129.81	-40.81	-0.00
	Max. Torsion	9	9.43	-40.81	-0.00
	Min. Vert	13	45.92	-20.31	-34.79
	Min. H _x	8	61.23	-40.81	-0.00
	Min. H _z	14	61.23	-0.01	-40.24
	Min. M _x	14	-5057.83	-0.01	-40.24
	Min. M _z	20	-5129.23	40.84	0.03
	Min. Torsion	21	-9.33	40.84	0.03

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	51.03	0.00	0.00	-1.61	-0.99	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.23	-0.07	-40.14	-5047.08	11.36	1.87
0.9 Dead+1.0 Wind 0 deg - No Ice	45.92	-0.07	-40.14	-4974.77	11.50	1.87
1.2 Dead+1.0 Wind 30 deg - No Ice	61.23	20.24	-34.91	-4390.20	-2545.69	7.17
0.9 Dead+1.0 Wind 30 deg - No Ice	45.92	20.24	-34.91	-4327.25	-2509.21	7.17
1.2 Dead+1.0 Wind 60 deg - No Ice	61.23	35.42	-20.12	-2522.91	-4458.30	-1.06
0.9 Dead+1.0 Wind 60 deg - No Ice	45.92	35.42	-20.12	-2486.60	-4394.64	-1.06
1.2 Dead+1.0 Wind 90 deg - No Ice	61.23	40.81	0.00	1.00	-5129.81	-9.42
0.9 Dead+1.0 Wind 90 deg - No Ice	45.92	40.81	0.00	1.46	-5056.69	-9.43
1.2 Dead+1.0 Wind 120 deg - No Ice	61.23	35.13	20.08	2517.17	-4414.32	-3.40
0.9 Dead+1.0 Wind 120 deg - No Ice	45.92	35.13	20.08	2481.97	-4351.32	-3.41
1.2 Dead+1.0 Wind 150 deg - No Ice	61.23	20.31	34.79	4368.33	-2559.49	3.65
0.9 Dead+1.0 Wind 150 deg - No Ice	45.92	20.31	34.79	4306.80	-2522.73	3.66
1.2 Dead+1.0 Wind 180 deg - No Ice	61.23	0.01	40.24	5057.83	-6.97	-1.80
0.9 Dead+1.0 Wind 180 deg - No Ice	45.92	0.01	40.24	4986.44	-6.51	-1.79

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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 210 deg - No Ice	61.23	-20.45	34.92	4386.17	2573.95	-7.17
0.9 Dead+1.0 Wind 210 deg - No Ice	45.92	-20.45	34.92	4324.38	2537.65	-7.17
1.2 Dead+1.0 Wind 240 deg - No Ice	61.23	-35.43	20.17	2527.62	4455.17	1.21
0.9 Dead+1.0 Wind 240 deg - No Ice	45.92	-35.43	20.17	2492.30	4392.23	1.22
1.2 Dead+1.0 Wind 270 deg - No Ice	61.23	-40.84	-0.03	-9.29	5129.23	9.32
0.9 Dead+1.0 Wind 270 deg - No Ice	45.92	-40.84	-0.03	-8.65	5056.78	9.33
1.2 Dead+1.0 Wind 300 deg - No Ice	61.23	-35.25	-20.03	-2513.74	4428.49	3.17
0.9 Dead+1.0 Wind 300 deg - No Ice	45.92	-35.25	-20.03	-2477.54	4365.94	3.17
1.2 Dead+1.0 Wind 330 deg - No Ice	61.23	-20.24	-34.74	-4363.09	2546.10	-3.55
0.9 Dead+1.0 Wind 330 deg - No Ice	45.92	-20.24	-34.74	-4300.56	2510.25	-3.56
1.2 Dead+1.0 Ice+1.0 Temp	91.48	0.00	-0.00	-5.05	-1.95	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	91.48	-0.03	-9.66	-1263.23	2.27	0.43
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	91.48	4.85	-8.36	-1093.49	-633.76	1.08
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	91.48	8.67	-4.67	-608.40	-1135.83	0.20
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	91.48	9.88	0.15	17.91	-1291.25	-0.88
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	91.48	8.56	4.91	634.38	-1118.81	-0.54
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	91.48	5.06	8.39	1087.61	-665.39	-0.09
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	91.48	0.24	9.76	1267.87	-39.48	-0.74
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	91.48	-4.87	8.37	1084.29	633.01	-1.07
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	91.48	-8.48	4.83	623.02	1103.67	0.14
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	91.48	-9.80	-0.00	-6.04	1273.88	1.27
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	91.48	-8.49	-4.84	-635.38	1103.60	0.50
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	91.48	-4.87	-8.38	-1096.18	632.50	-0.30
Dead+Wind 0 deg - Service	51.03	-0.01	-7.65	-956.37	1.33	0.36
Dead+Wind 30 deg - Service	51.03	3.86	-6.66	-832.08	-482.56	1.39
Dead+Wind 60 deg - Service	51.03	6.75	-3.83	-478.76	-844.49	-0.20
Dead+Wind 90 deg - Service	51.03	7.78	0.00	-1.16	-971.58	-1.82
Dead+Wind 120 deg - Service	51.03	6.70	3.83	475.00	-836.15	-0.65
Dead+Wind 150 deg - Service	51.03	3.87	6.63	825.30	-485.13	0.71
Dead+Wind 180 deg - Service	51.03	0.00	7.67	955.76	-2.13	-0.35
Dead+Wind 210 deg - Service	51.03	-3.90	6.66	828.69	486.24	-1.39
Dead+Wind 240 deg - Service	51.03	-6.75	3.85	477.00	842.27	0.23
Dead+Wind 270 deg - Service	51.03	-7.78	-0.01	-3.11	969.84	1.80
Dead+Wind 300 deg - Service	51.03	-6.72	-3.82	-477.02	837.20	0.60
Dead+Wind 330 deg - Service	51.03	-3.86	-6.62	-826.94	480.99	-0.70

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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	-51.03	0.00	0.00	51.03	0.00	0.000%
2	-0.07	-61.23	-40.14	0.07	61.23	40.14	0.000%
3	-0.07	-45.92	-40.14	0.07	45.92	40.14	0.000%
4	20.24	-61.23	-34.91	-20.24	61.23	34.91	0.000%
5	20.24	-45.92	-34.91	-20.24	45.92	34.91	0.000%
6	35.42	-61.23	-20.12	-35.42	61.23	20.12	0.000%
7	35.42	-45.92	-20.12	-35.42	45.92	20.12	0.000%
8	40.81	-61.23	0.00	-40.81	61.23	-0.00	0.000%
9	40.81	-45.92	0.00	-40.81	45.92	-0.00	0.000%
10	35.13	-61.23	20.08	-35.13	61.23	-20.08	0.000%
11	35.13	-45.92	20.08	-35.13	45.92	-20.08	0.000%
12	20.31	-61.23	34.79	-20.31	61.23	-34.79	0.000%
13	20.31	-45.92	34.79	-20.31	45.92	-34.79	0.000%
14	0.01	-61.23	40.24	-0.01	61.23	-40.24	0.000%
15	0.01	-45.92	40.24	-0.01	45.92	-40.24	0.000%
16	-20.45	-61.23	34.92	20.45	61.23	-34.92	0.000%
17	-20.45	-45.92	34.92	20.45	45.92	-34.92	0.000%
18	-35.43	-61.23	20.17	35.43	61.23	-20.17	0.000%
19	-35.43	-45.92	20.17	35.43	45.92	-20.17	0.000%
20	-40.84	-61.23	-0.03	40.84	61.23	0.03	0.000%
21	-40.84	-45.92	-0.03	40.84	45.92	0.03	0.000%
22	-35.25	-61.23	-20.03	35.25	61.23	20.03	0.000%
23	-35.25	-45.92	-20.03	35.25	45.92	20.03	0.000%
24	-20.24	-61.23	-34.74	20.24	61.23	34.74	0.000%
25	-20.24	-45.92	-34.74	20.24	45.92	34.74	0.000%
26	0.00	-91.48	0.00	-0.00	91.48	0.00	0.000%
27	-0.03	-91.48	-9.66	0.03	91.48	9.66	0.000%
28	4.85	-91.48	-8.36	-4.85	91.48	8.36	0.000%
29	8.67	-91.48	-4.67	-8.67	91.48	4.67	0.000%
30	9.88	-91.48	0.15	-9.88	91.48	-0.15	0.000%
31	8.56	-91.48	4.91	-8.56	91.48	-4.91	0.000%
32	5.06	-91.48	8.39	-5.06	91.48	-8.39	0.000%
33	0.24	-91.48	9.76	-0.24	91.48	-9.76	0.000%
34	-4.87	-91.48	8.37	4.87	91.48	-8.37	0.000%
35	-8.48	-91.48	4.83	8.48	91.48	-4.83	0.000%
36	-9.80	-91.48	-0.00	9.80	91.48	0.00	0.000%
37	-8.49	-91.48	-4.84	8.49	91.48	4.84	0.000%
38	-4.87	-91.48	-8.38	4.87	91.48	8.38	0.000%
39	-0.01	-51.03	-7.65	0.01	51.03	7.65	0.000%
40	3.86	-51.03	-6.66	-3.86	51.03	6.66	0.000%
41	6.75	-51.03	-3.83	-6.75	51.03	3.83	0.000%
42	7.78	-51.03	0.00	-7.78	51.03	-0.00	0.000%
43	6.70	-51.03	3.83	-6.70	51.03	-3.83	0.000%
44	3.87	-51.03	6.63	-3.87	51.03	-6.63	0.000%
45	0.00	-51.03	7.67	-0.00	51.03	-7.67	0.000%
46	-3.90	-51.03	6.66	3.90	51.03	-6.66	0.000%
47	-6.75	-51.03	3.85	6.75	51.03	-3.85	0.000%
48	-7.78	-51.03	-0.01	7.78	51.03	0.01	0.000%
49	-6.72	-51.03	-3.82	6.72	51.03	3.82	0.000%
50	-3.86	-51.03	-6.62	3.86	51.03	6.62	0.000%

Non-Linear Convergence Results

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Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.0000001	0.0000001
2	Yes	5	0.0000001	0.00007711
3	Yes	4	0.0000001	0.00087940
4	Yes	6	0.0000001	0.00028004
5	Yes	6	0.0000001	0.00008737
6	Yes	6	0.0000001	0.00026190
7	Yes	6	0.0000001	0.00008058
8	Yes	5	0.0000001	0.00053892
9	Yes	5	0.0000001	0.00025038
10	Yes	6	0.0000001	0.00025186
11	Yes	6	0.0000001	0.00007742
12	Yes	6	0.0000001	0.00024770
13	Yes	6	0.0000001	0.00007573
14	Yes	5	0.0000001	0.00010790
15	Yes	5	0.0000001	0.00004906
16	Yes	6	0.0000001	0.00024461
17	Yes	6	0.0000001	0.00007439
18	Yes	6	0.0000001	0.00025856
19	Yes	6	0.0000001	0.00007946
20	Yes	5	0.0000001	0.00055752
21	Yes	5	0.0000001	0.00025859
22	Yes	6	0.0000001	0.00026348
23	Yes	6	0.0000001	0.00008153
24	Yes	6	0.0000001	0.00027088
25	Yes	6	0.0000001	0.00008432
26	Yes	4	0.0000001	0.00004023
27	Yes	5	0.0000001	0.00066571
28	Yes	5	0.0000001	0.00094258
29	Yes	5	0.0000001	0.00092762
30	Yes	5	0.0000001	0.00067864
31	Yes	5	0.0000001	0.00093545
32	Yes	5	0.0000001	0.00093826
33	Yes	5	0.0000001	0.00066781
34	Yes	5	0.0000001	0.00089475
35	Yes	5	0.0000001	0.00091068
36	Yes	5	0.0000001	0.00067074
37	Yes	5	0.0000001	0.00093043
38	Yes	5	0.0000001	0.00093446
39	Yes	4	0.0000001	0.00011012
40	Yes	4	0.0000001	0.00073581
41	Yes	4	0.0000001	0.00057054
42	Yes	4	0.0000001	0.00035942
43	Yes	4	0.0000001	0.00050981
44	Yes	4	0.0000001	0.00049935
45	Yes	4	0.0000001	0.00011091
46	Yes	4	0.0000001	0.00049591
47	Yes	4	0.0000001	0.00053842
48	Yes	4	0.0000001	0.00035689
49	Yes	4	0.0000001	0.00059035
50	Yes	4	0.0000001	0.00065748

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	176 - 130.75	27.570	41	1.4311	0.0119

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L2	135.25 - 86.12	15.979	41	1.2069	0.0067
L3	91.87 - 43	6.904	42	0.7555	0.0031
L4	50 - 1	1.924	42	0.3617	0.0011

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
176.00	(2) ANT150D6-9	41	27.570	1.4311	0.0119	45765
170.00	800-10121	41	25.778	1.4058	0.0105	38138
164.50	4' Grid Dish	41	24.145	1.3817	0.0092	19898
160.00	AIR 21 B2A/B4P w/ Mount Pipe	41	22.822	1.3608	0.0085	14301
154.00	VHLP800-11	41	21.086	1.3305	0.0078	10400
150.00	APXVSPP18-C-A20 w/ Mount Pipe	41	19.950	1.3083	0.0076	8800
137.00	ANT150D6-9	41	16.429	1.2208	0.0069	5901
116.00	BXA-70063-6CF-EDIN-X w/ Mount Pipe	42	11.459	1.0219	0.0052	5650
104.80	ANT150D6-9	42	9.192	0.8985	0.0042	5672
104.50	4' Grid Dish	42	9.135	0.8951	0.0042	5672
97.00	VHLP1-18/F	42	7.770	0.8115	0.0035	5687
78.00	GPS	42	4.842	0.6130	0.0022	5662
70.00	Side Arm Mount	42	3.838	0.5365	0.0018	5642
52.00	Side Arm Mount	42	2.076	0.3782	0.0011	5617
51.00	VHLP1-18/F	42	1.999	0.3700	0.0011	5644
50.00	3' Side Arm Mount	42	1.924	0.3617	0.0011	5690
35.30	GPS	42	1.040	0.2460	0.0007	7987

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	176 - 130.75	145.413	8	7.5571	0.0616
L2	135.25 - 86.12	84.373	8	6.3747	0.0348
L3	91.87 - 43	36.478	8	3.9941	0.0159
L4	50 - 1	10.162	8	1.9116	0.0056

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
176.00	(2) ANT150D6-9	8	145.413	7.5571	0.0616	8971
170.00	800-10121	8	135.980	7.4233	0.0542	7475
164.50	4' Grid Dish	8	127.383	7.2960	0.0475	3899
160.00	AIR 21 B2A/B4P w/ Mount Pipe	8	120.419	7.1856	0.0438	2801
154.00	VHLP800-11	8	111.275	7.0254	0.0403	2035
150.00	APXVSPP18-C-A20 w/ Mount Pipe	8	105.296	6.9079	0.0394	1720

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Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
137.00	ANT150D6-9	8	86.745	6.4480	0.0359	1150
116.00	BXA-70063-6CF-EDIN-X w/ Mount Pipe	8	60.531	5.3998	0.0271	1091
104.80	ANT150D6-9	8	48.561	4.7490	0.0218	1090
104.50	4' Grid Dish	8	48.260	4.7313	0.0216	1090
97.00	VHLP1-18/F	8	41.050	4.2900	0.0182	1089
78.00	GPS	8	25.584	3.2406	0.0115	1079
70.00	Side Arm Mount	8	20.277	2.8362	0.0094	1073
52.00	Side Arm Mount	8	10.970	1.9989	0.0059	1065
51.00	VHLP1-18/F	8	10.560	1.9551	0.0058	1070
50.00	3' Side Arm Mount	8	10.162	1.9116	0.0056	1078
35.30	GPS	8	5.492	1.2999	0.0036	1512

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _n / φP _n
L1	176 - 130.75 (1)	TP31.8x21x0.25	45.25	0.00	0.0	24.1827	-16.20	1414.69	0.011
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	49.13	0.00	0.0	39.8244	-28.65	2329.72	0.012
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	48.87	0.00	0.0	58.7205	-41.38	3435.15	0.012
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	49.00	0.00	0.0	83.4043	-61.20	4879.15	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio M _{ux} / φM _{ux}	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio M _{uy} / φM _{uy}
L1	176 - 130.75 (1)	TP31.8x21x0.25	573.09	1049.79	0.546	0.00	1049.79	0.000
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	1772.38	2238.28	0.792	0.00	2238.28	0.000
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	3222.88	4021.80	0.801	0.00	4021.80	0.000
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	5129.81	6846.80	0.749	0.00	6846.80	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V _u K	φV _n K	Ratio V _u / φV _n	Actual T _u kip-ft	φT _n kip-ft	Ratio T _u / φT _n
L1	176 - 130.75 (1)	TP31.8x21x0.25	22.19	424.41	0.052	0.49	1132.71	0.000

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Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L2	130.75 - 86.12 (2)	TP41.82x30.226x0.3125	32.50	698.92	0.046	9.60	2457.53	0.004
L3	86.12 - 43 (3)	TP51.36x39.8381x0.375	36.78	1030.55	0.036	9.46	4452.45	0.002
L4	43 - 1 (4)	TP60.5x48.9596x0.4375	40.86	1463.75	0.028	9.42	7699.26	0.001

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	176 - 130.75 (1)	0.011	0.546	0.000	0.052	0.000	0.560	1.000	✓
L2	130.75 - 86.12 (2)	0.012	0.792	0.000	0.046	0.004	0.807	1.000	✓
L3	86.12 - 43 (3)	0.012	0.801	0.000	0.036	0.002	0.815	1.000	✓
L4	43 - 1 (4)	0.013	0.749	0.000	0.028	0.001	0.763	1.000	✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	176 - 130.75	Pole	TP31.8x21x0.25	1	-16.20	1414.69	56.0	Pass
L2	130.75 - 86.12	Pole	TP41.82x30.226x0.3125	2	-28.65	2329.72	80.7	Pass
L3	86.12 - 43	Pole	TP51.36x39.8381x0.375	3	-41.38	3435.15	81.5	Pass
L4	43 - 1	Pole	TP60.5x48.9596x0.4375	4	-61.20	4879.15	76.3	Pass
Summary								
Pole (L3)							81.5	Pass
RATING =							81.5	Pass



Job:	Berlin 4 CT
Project:	23CLVZ-0014
Client:	Verizon Wireless

Engineer:	JLL
Date:	10/16/2023
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Circular Base Plate and Anchor Rod Analysis (TIA-H)

Analysis Reactions and Information

Moment:	5129.81	ft-kips
Axial:	61.20	kips
Shear:	40.86	kips
Grout Considered:	N/A	
I_{ar} :	0	in
Eta Factor, η :	N/A	

Anchor Rod Information

Quantity:	18
Diameter:	2.25 in
Bolt Grade:	A615-75
Fy:	75 ksi
Fu:	100 ksi
Bolt Circle:	70.00 in

Tower Information

Diameter:	60.50	in
Thickness:	0.4375	in
Pole Grade:	A572-65	
Fy:	65	ksi
Fu:	80	ksi
# of Sides:	18-sided	

Base Plate Information

Diameter:	76.00	in
Thickness:	2.25	in
Plate Grade:	A633 Gr. E	
Fy:	60.00	ksi
Fu:	70.00	ksi

Capacity Results

Anchor Rod Results

P_{u_c} =	198.74	kips	ϕP_{n_c} =	243.75	kips
V_u =	2.27	kips	ϕV_n =	73.13	kips
M_u =	N/A	in-kips	ϕM_n =	N/A	in-kips

Anchor Rod Stress Ratio: 77.7%

Good

Base Plate Results

Base Plate Stress:	43.33	ksi
Allowable Plate Stress:	54	ksi
Base Plate Stress Ratio:	80.2%	

Good



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 West Bridgewater, MA 02379
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Engineer:	JLL
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Monopole Drilled Pier Analysis Summary (TIA-H)

Analysis Reactions

	Comp.	Uplift.	
Moment, M:	5,129.8	-	kip-ft
Axial, P:	61.2	-	kips
Shear, V:	40.9	-	kips

Material Properties

Rebar Strength, F _y :	60	ksi
Concrete Strength, f _c :	4.0	ksi
Dry Concrete Density, δ _c :	150	pcf

Pier Properties

Depth, D:	35.0	ft
Ext. Above Grade, E:	4.0	ft
Diameter, d:	7.5	ft
Rebar Quantity, R _q :	30	
Rebar Size, R _s :	11	
Clear Cover, cc:	4.00	in
Tie Size, T _s :	4	
Groundwater Depth, D _{gw} :	40.0	ft
Ultimate Gross End Bearing	6.0	ksf

Soil Properties

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Soil Unit Weight (pcf)	Cohesion (ksf)	Friction Angle (deg)	Ult. Skin Friction - Comp (ksf)	Ult. Skin Friction - Uplift (ksf)	SPT Blow Count (N)
1	0.0	2.2	2.2	120	0.00	0	0.000	0.000	0
2	2.2	8.2	6.0	120	0.00	30	0.493	0.493	10
3	8.2	13.2	5.0	120	0.00	30	0.904	0.904	10
4	13.2	35.0	21.8	120	0.00	30	1.614	1.614	10

Foundation Analysis Results

Soil Lateral Capacity

	Comp.	Uplift.
Dv=0 (ft):	11.60	-
Soil Safety Factor:	5.27	-
Max Moment (kip-ft):	5545.54	-
Rating:	24.0%	-

Reinforced Concrete Flexure Capacity

	Comp.	Uplift.
Critical Depth (ft):	11.23	-
Critical Mom. (k-ft):	5544.72	-
Critical Mom. Cap.:	8078.56	-
Rating:	65.4%	-

Soil Vertical Capacity

	Comp.	Uplift.
Skin Friction (kips):	754.7	-
End Bearing (kips):	198.8	-
Wt. of Conc. (kips):	310.1	-
Total Cap. (kips):	953.5	-
Axial (kips):	371.3	-
Rating:	37.1%	-

Reinforced Concrete Shear Capacity

	Comp.	Uplift.
Critical Depth (ft):	29.33	-
Critical Shear:	448.50	-
Critical Shear Cap.:	659.73	-
Rating:	64.7%	-

Soil Rating:	37.1%	GOOD
Structural Rating:	65.4%	GOOD



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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207115
 Colliers Engineering & Design CT, PC Project #: 23777135

July 19, 2023

Site Information

Site ID: 5000104060-VZW / BERLIN 4 CT
 Site Name: BERLIN 4 CT
 Carrier Name: Verizon Wireless
 Address: 1657 Berlin Turnpike
 Berlin, Connecticut 06037
 Hartford County
 Latitude: 41.606217°
 Longitude: -72.749686°

Structure Information

Tower Type: 150-Ft Monopole
 Mount Type: 14.50-Ft Platform

FUZE ID # 17123752

Analysis Results

Platform: 52.1% Pass*

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

***Contractor PMI Requirements:

Included at the end of this MA report
 Available & Submitted via portal at <https://pmi.vzwsmart.com>

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

Report Prepared By: Jared Adkins



07/19/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 323438, dated December 08, 2020
Mount Mapping Report	Tower Engineering Professionals, Site ID: 467999, dated December 01, 2020
Previous Mount Analysis	Maser Consulting Connecticut, Project # 20777353A, dated January 28, 2021
Closeout Package	Berkshire Wireless Corp, Dated June 21, 2023
Final Loading Configuration	Filter Add Scope Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.995
Seismic Parameters:	S_s : 0.201 g S_1 : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live 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
116.00	118.00	6	Commscope	NHH-65B-R2B	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	RFS	DB-B1-6C-12AB-0Z*	
		3	Amphenol Antel	BXA-70063-6CF-EDIN-0	
		4	KAelus	KA-6030	Added

* Equipment is flush mounted directly to the Monopole. They are not mounted on platform mount and are not included in this mount analysis.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - 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.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	31.2 %	Pass
Platform Crossmember	17.5 %	Pass
Corner Plate	15.5 %	Pass
Grating Support	12.7 %	Pass
Cross Arm Plate	35.4 %	Pass
Face Horizontal	15.3 %	Pass
Mount Pipe	41.6 %	Pass
Support Rail	19.9 %	Pass
Support Rail Corner	24.6 %	Pass
Mount Connection	52.1 %	Pass

Structure Rating – (Controlling Utilization of all Components)	52.1%
---	--------------

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	26.3	26.3	48.6	48.6
0.5	34.5	34.5	66.2	66.2
1	42.0	42.0	83.1	83.1

Notes:

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

Requirements:

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

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

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

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

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

MDG #: 5000104060

SMART Project #: 10207115

Fuze Project ID: 17123752

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 inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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:

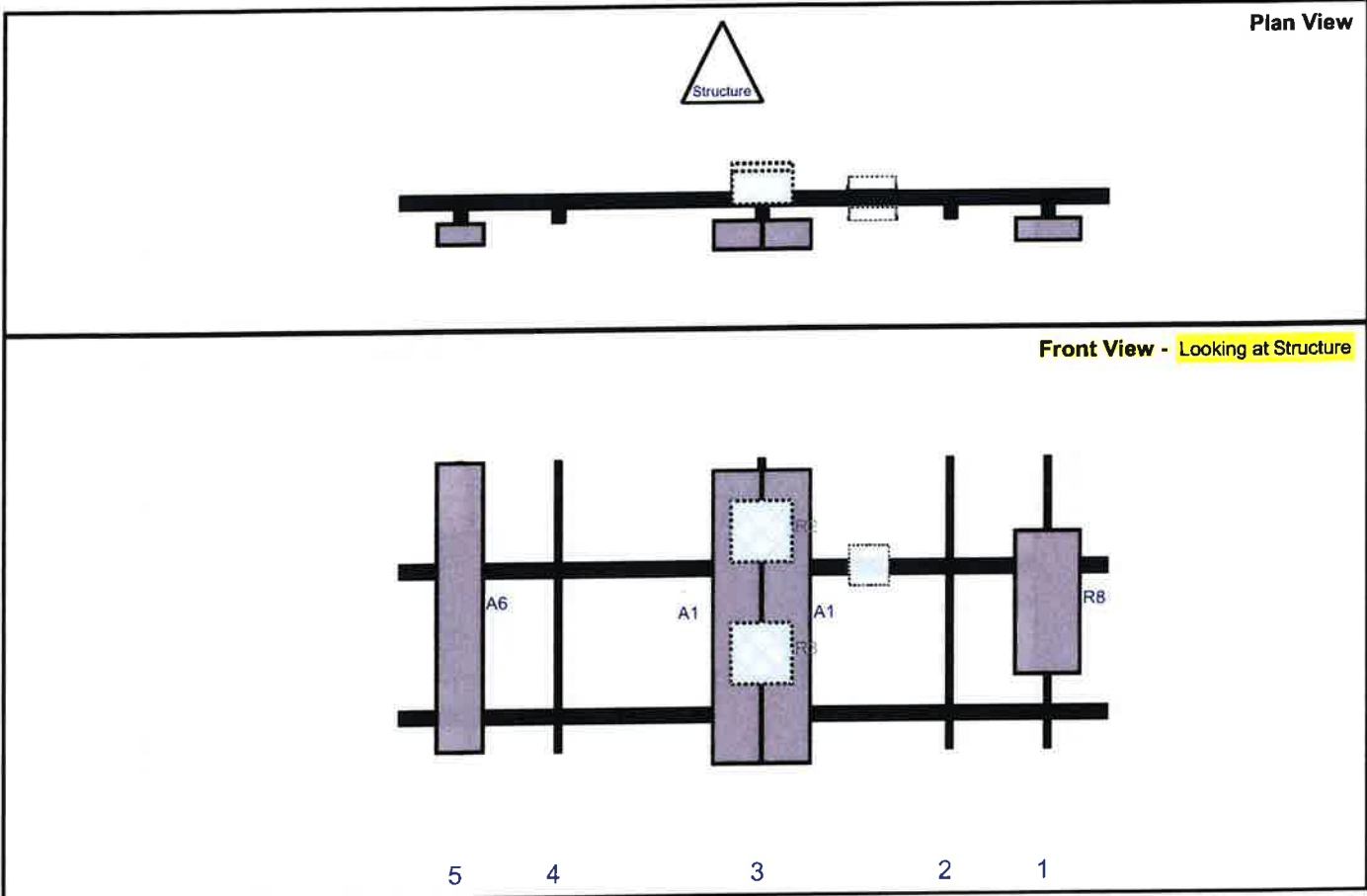
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Sector: A
 Structure Type: Monopole
 Mount Elev: 116.00

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Page: 1

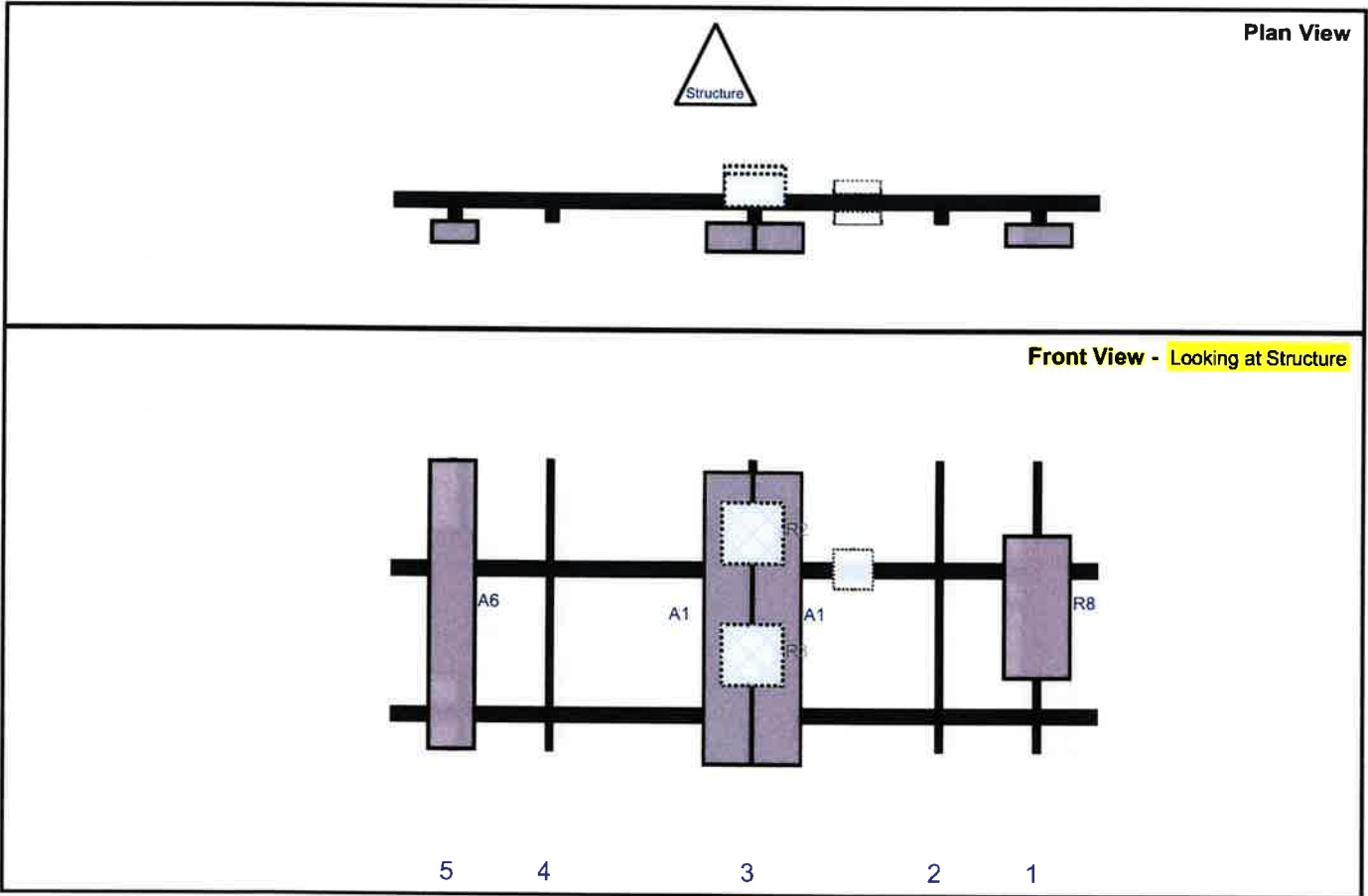


Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
R8	MT6407-77A	35.1	16.1	159	1	a	Front	36	0	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	a	Front	39	6	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	b	Front	39	-6	Retained	06/21/2023
R2	B2/B66A RRH-BR049	15	15	89	3	a	Behind	18	0	Retained	06/21/2023
R3	B5/B13 RRH-BR04C	15	15	89	3	a	Behind	48	0	Retained	06/21/2023
A6	BXA-70063-6CF-EDIN-0	71	11.2	15	5	a	Front	36	0	Retained	06/21/2023
M110A	KA-6030	10.6	10.9			Member				Added	

Sector: **B**
 Structure Type: Monopole
 Mount Elev: 116.00

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7/18/2023



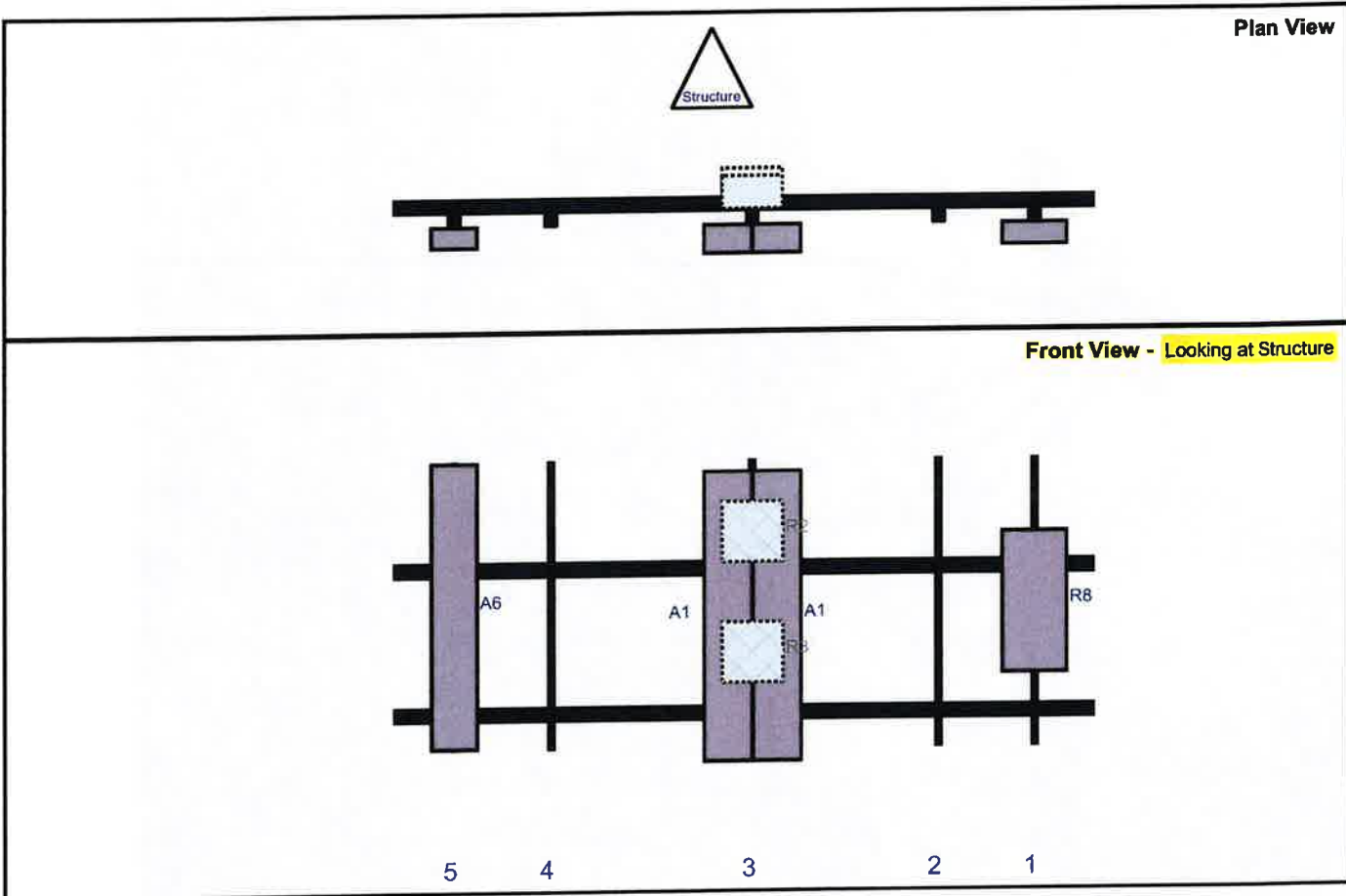
Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
R8	MT6407-77A	35.1	16.1	159	1	a	Front	36	0	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	a	Front	39	6	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	b	Front	39	-6	Retained	06/21/2023
R2	B2/B66A RRH-BR049	15	15	89	3	a	Behind	18	0	Retained	06/21/2023
R3	B5/B13 RRH-BR04C	15	15	89	3	a	Behind	48	0	Retained	06/21/2023
A6	BXA-70063-6CF-EDIN-0	71	11.2	15	5	a	Front	36	0	Retained	06/21/2023
M136A	KA-6030	10.6	10.9			Member				Added	

Sector: C

Structure Type: Monopole

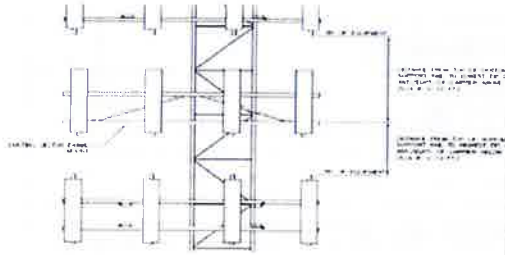
10207115

Mount Elev: 116.00



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
R8	MT6407-77A	35.1	16.1	159	1	a	Front	36	0	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	a	Front	39	6	Retained	06/21/2023
A1	NHH-65B-R2B	72	11.9	89	3	b	Front	39	-6	Retained	06/21/2023
R2	B2/B66A RRH-BR049	15	15	89	3	a	Behind	18	0	Retained	06/21/2023
R3	B5/B13 RRH-BR04C	15	15	89	3	a	Behind	48	0	Retained	06/21/2023
A6	BXA-70063-6CF-EDIN-0	71	11.2	15	5	a	Front	36	0	Retained	06/21/2023





Ant _{3a}												
Ant _{3b}	LNK-6514DS-T4M	11.90	7.10	48.50	1 1/8 F	117.667	32.00	13.00	260.00	205		
Ant _{3c}												
Ant _{4a}												
Ant _{4b}	MGD3-900T0	12.20	4.33	52.76	1 1/8 F	119.25	24.00	8.00	260.00	207		
Ant _{4c}												
Ant _{5a}												
Ant _{5b}	BXA-70063-6CF-EDIN	11.30	6.00	71.00	1 1/8 F	119.083	26.00	14.00	260.00	210		
Ant _{5c}												
Ant on	RRFDC-3315-PF-48	15.73	10.30	28.93	1 1/4 Hybrid					219		
Ant on												
Sector D												
Ant _{1a}												
Ant _{1b}												
Ant _{1c}												
Ant _{2a}												
Ant _{2b}												
Ant _{2c}												
Ant _{3a}												
Ant _{3b}												
Ant _{3c}												
Ant _{4a}												
Ant _{4b}												
Ant _{4c}												
Ant _{5a}												
Ant _{5b}												
Ant _{5c}												
Ant on												
Ant on												
Ant on												
Ant on												

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Mapping Notes
<ol style="list-style-type: none"> 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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A



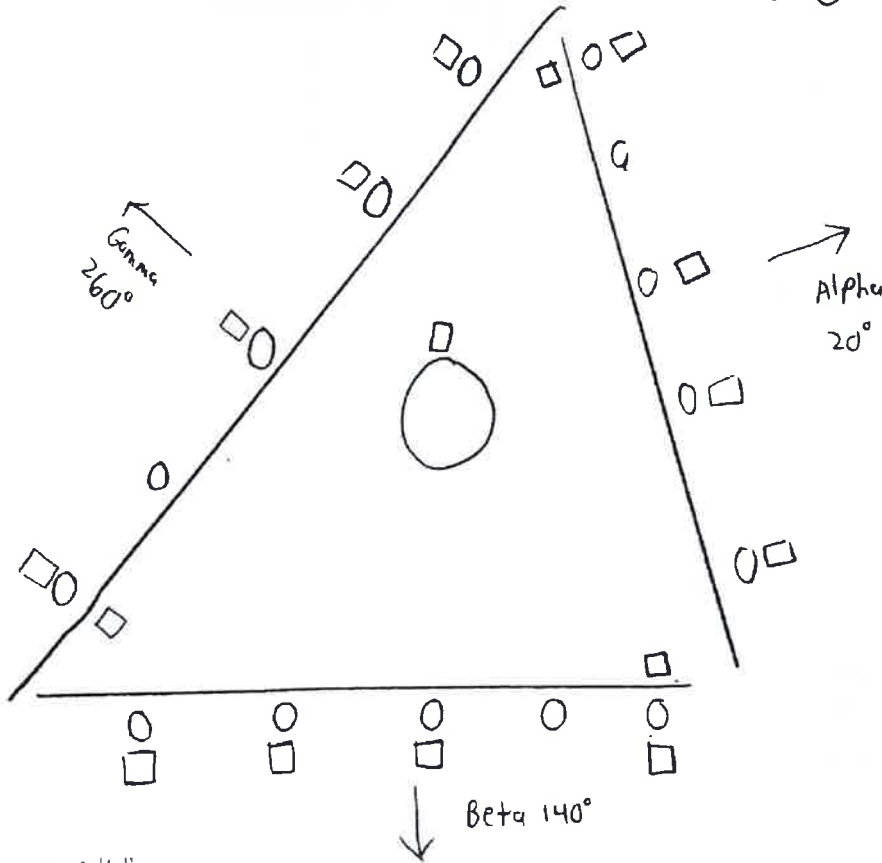
Tower Owner:	Vertical Network Management Inc.	Mapping Date:	12/1/2020
Site Name:	Berlin 4 CT	Tower Type:	Monopole
Site Number or ID:	467999	Tower Height (Ft.):	150
Mapping Contractor:	TEP	Mount Elevation (Ft.):	116

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Please Insert Sketches of the Antenna Mount

Berlin 4 CT

Ladder @ 35°

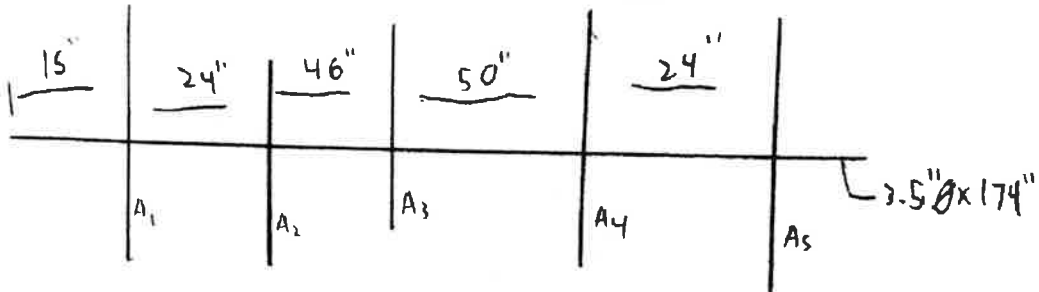


WAF 6 1/2"

- Coax
- (14) 1 5/8" FH
- (1) 1 1/4" HY

elev: 116'-0"

Front



M P Connection

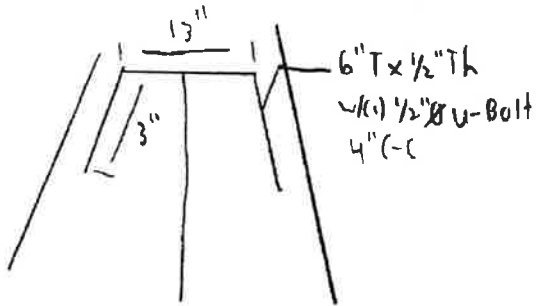
BPL 6 1/2" w x 8" T x 2 1/2" D x 3/8"

w/c 1/2" Ø U-Bolts

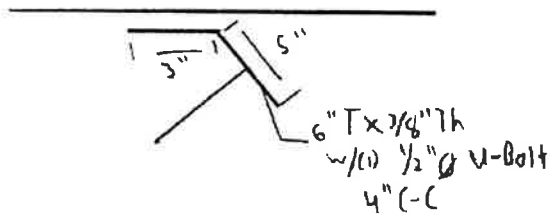
M P: 3" C-C, 6" C-C

F P: 4" C-C

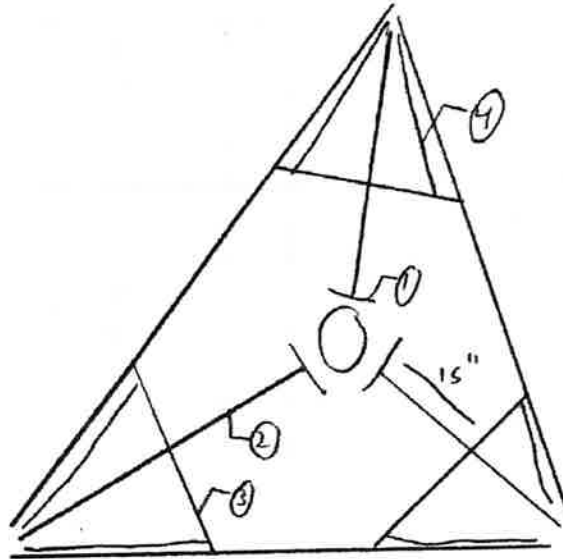
HSS - Corner Connection



HSS - Front Connection

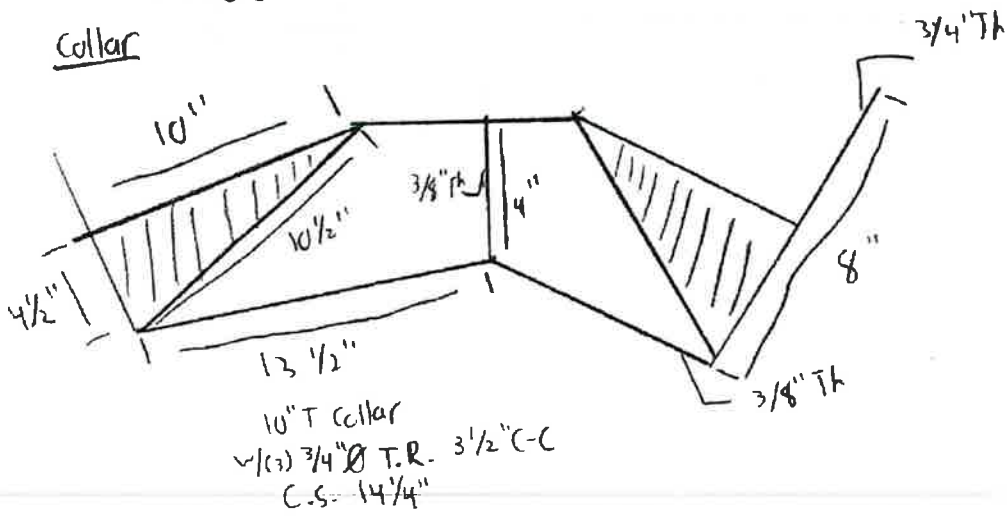


Steel Plan View



- ①: PL 10" x 10" x 5/8"
w/ (4) 5/8" Ø Bolts 8" C-C
- ②: HSS 4" x 4" x 1/4" x 62 1/2" L
welded
- ③: HSS 4" x 4" x 1/4"
welded
- ④: L 2" x 2" x 3/16"
welded

Collar



Please Insert Sketches of the Antenna Mount, cont'd

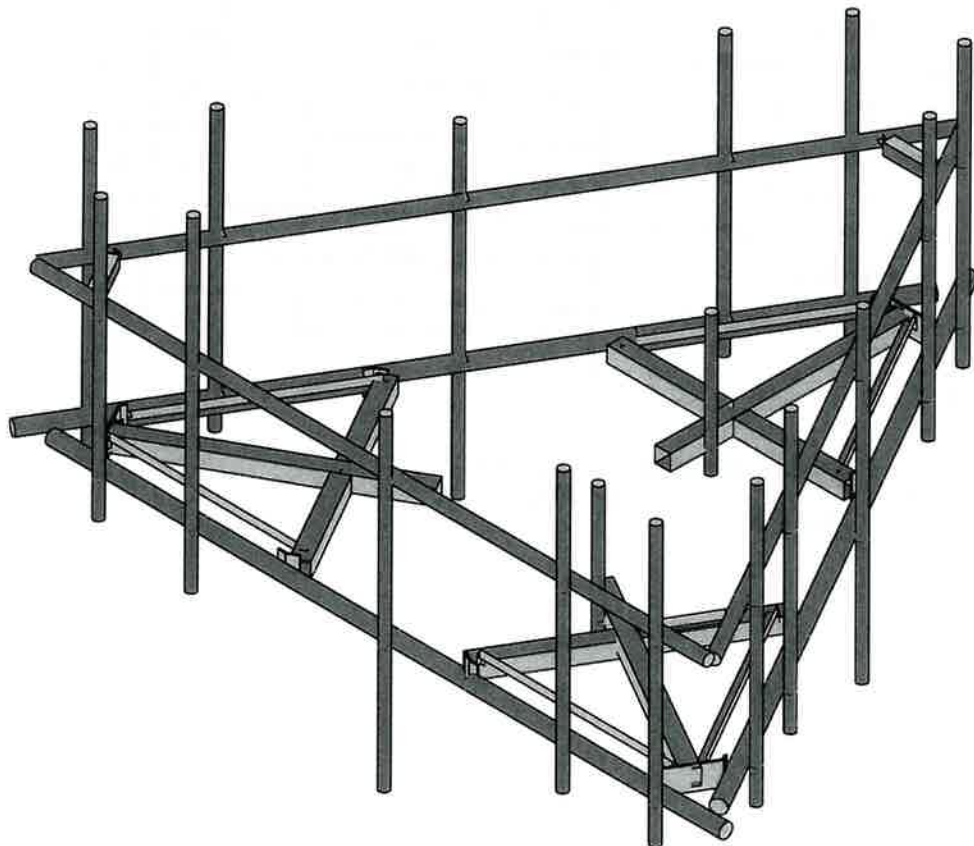
Alpha		Model	U	B	H
M	P				
A ₁	2.4"Ø x 6'-0"	BXA 17106312ZFEDIN2	63"	42"	8"
A ₂	2.4"Ø x 6'-0"	Empty	63"	-	-
A ₃	2.4"Ø x 7'-0"	LNx 6514DST4M	52"	32"	13"
A ₄	2.4"Ø x 7'-0"	BXA-185060/12CF	71"	42"	8"
A ₅	2.4"Ø x 6'-0"	BXA-70063-6CF-EDIN	63"	26"	14"
E ₁	Pos 1	9442 RPH 2x40-AWS	-	30"	7"

Beta		Model	U	B	H
M	P				
A ₁	2.4"Ø x 6'-0"	BXA 17106312ZFEDIN2	63"	42"	8"
A ₂	2.4"Ø x 6'-0"	Empty	63"	-	-
A ₃	2.4"Ø x 7'-0"	LNx 6514DST4M	52"	32"	13"
A ₄	2.4"Ø x 6'-0"	MG03-90070	63"	24"	8"
A ₅	2.4"Ø x 6'-0"	BXA-70063-6CF-EDIN	63"	26"	14"
E ₁	Pos 1	9442 RPH 2x40-AWS	-	30"	7"

Please Insert Sketches of the Antenna Mount, cont'd

Gamma		Model	V	B	H
	M P				
A ₁	2.4"Ø x 6'-0"	BXA 171063122 F E D I W	63"	42"	8"
A ₂	2.4"Ø x 6'-0"	Empty	63"	-	-
A ₃	2.4"Ø x 7'-0"	LN x 65140574M	52"	32"	13"
A ₄	2.4"Ø x 6'-0"	M 6 D3-90070	63"	24"	8"
A ₅	2.4"Ø x 6'-0"	BXA-70063-40E-EDIW	63"	22"	9"
E ₁	POS 1	9442 RPH 2x40-AMS	-	30"	7"

(1) Ray cop Directly mounted to Tower
RRFDC-3315-PF-46



Colliers Engineering & De...

5000104060-VZW_MT_LO_H

SK - 1

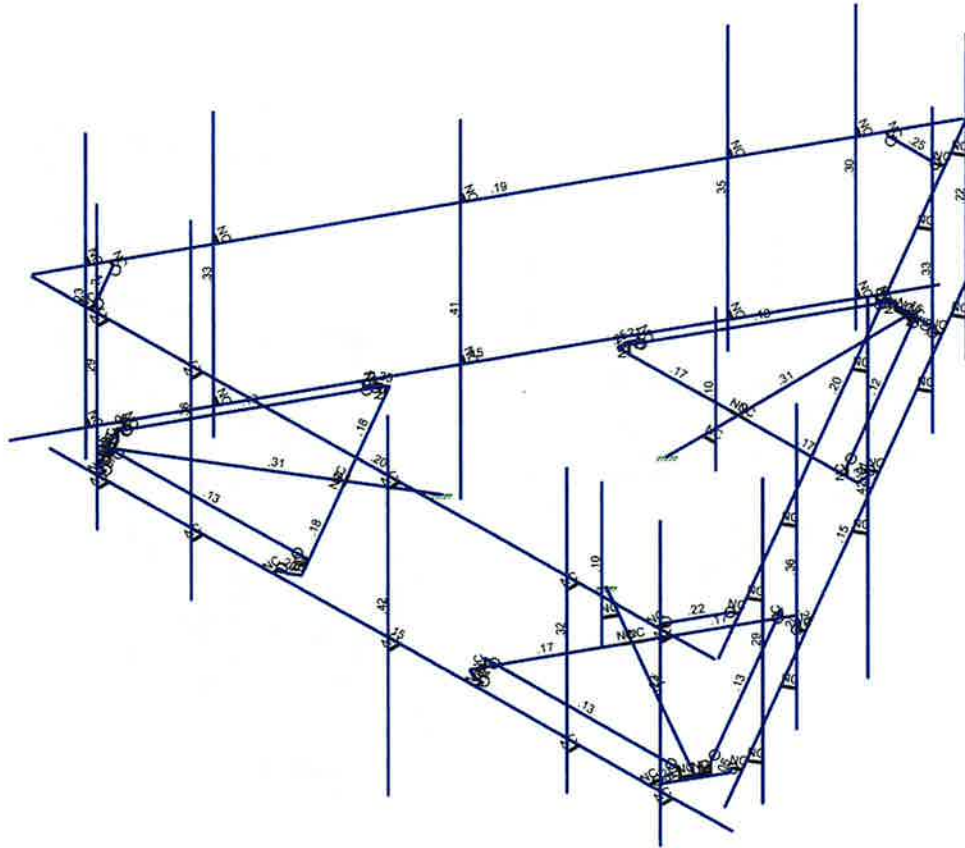
July 18, 2023 at 3:23 PM

Project No. 10207115

5000104060-VZW_MT_LO_H.r3d



Code Check (Env)	
█	No Calc
█	> 1.0
█	90-1.0
█	75-90
█	50-75
█	0-50



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...

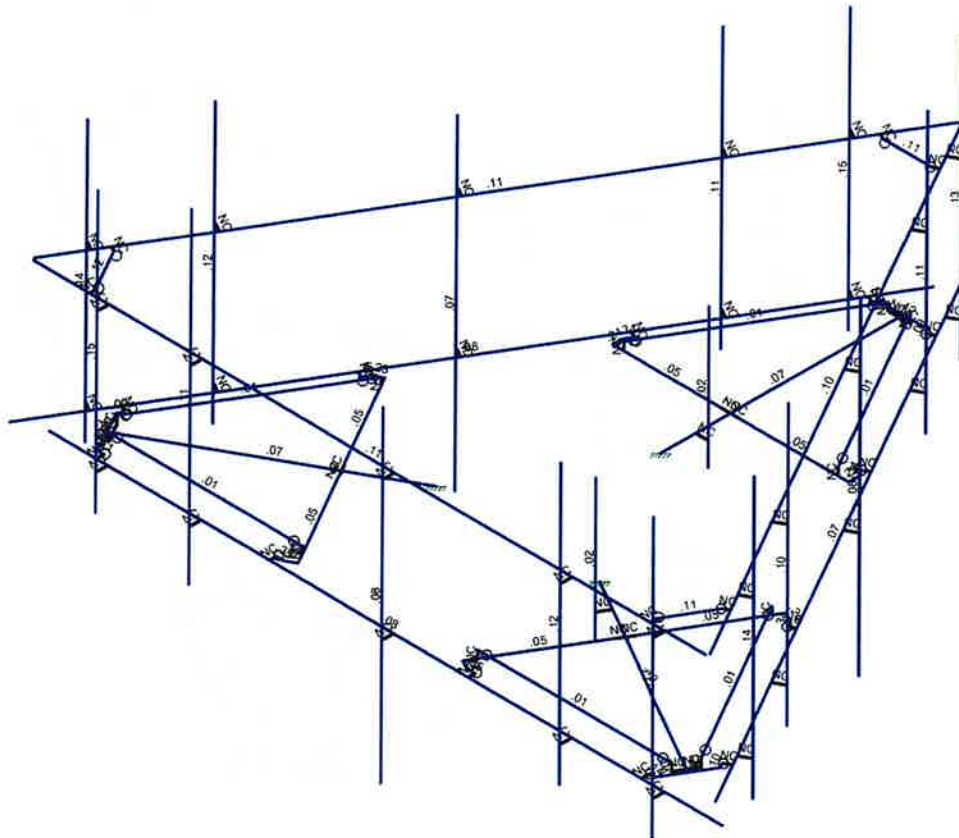
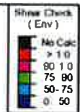
5000104060-VZW_MT_LO_H

SK - 2

July 18, 2023 at 3:23 PM

Project No. 10207115

5000104060-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...

5000104060-VZW_MT_LO_H

SK - 3

July 18, 2023 at 3:23 PM

Project No. 10207115

5000104060-VZW_MT_LO_H.r3d



Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					108		
2	Antenna Di	None					108		
3	Antenna Wo (0 Deg)	None					108		
4	Antenna Wo (30 Deg)	None					108		
5	Antenna Wo (60 Deg)	None					108		
6	Antenna Wo (90 Deg)	None					108		
7	Antenna Wo (120 Deg)	None					108		
8	Antenna Wo (150 Deg)	None					108		
9	Antenna Wo (180 Deg)	None					108		
10	Antenna Wo (210 Deg)	None					108		
11	Antenna Wo (240 Deg)	None					108		
12	Antenna Wo (270 Deg)	None					108		
13	Antenna Wo (300 Deg)	None					108		
14	Antenna Wo (330 Deg)	None					108		
15	Antenna Wi (0 Deg)	None					108		
16	Antenna Wi (30 Deg)	None					108		
17	Antenna Wi (60 Deg)	None					108		
18	Antenna Wi (90 Deg)	None					108		
19	Antenna Wi (120 Deg)	None					108		
20	Antenna Wi (150 Deg)	None					108		
21	Antenna Wi (180 Deg)	None					108		
22	Antenna Wi (210 Deg)	None					108		
23	Antenna Wi (240 Deg)	None					108		
24	Antenna Wi (270 Deg)	None					108		
25	Antenna Wi (300 Deg)	None					108		
26	Antenna Wi (330 Deg)	None					108		
27	Antenna Wm (0 Deg)	None					108		
28	Antenna Wm (30 Deg)	None					108		
29	Antenna Wm (60 Deg)	None					108		
30	Antenna Wm (90 Deg)	None					108		
31	Antenna Wm (120 De..	None					108		
32	Antenna Wm (150 De..	None					108		
33	Antenna Wm (180 De..	None					108		
34	Antenna Wm (210 De..	None					108		
35	Antenna Wm (240 De..	None					108		
36	Antenna Wm (270 De..	None					108		
37	Antenna Wm (300 De..	None					108		
38	Antenna Wm (330 De..	None					108		
39	Structure D	None		-1					3
40	Structure Di	None					62		3
41	Structure Wo (0 Deg)	None					124		
42	Structure Wo (30 Deg)	None					124		
43	Structure Wo (60 Deg)	None					124		
44	Structure Wo (90 Deg)	None					124		
45	Structure Wo (120 D..	None					124		
46	Structure Wo (150 D..	None					124		
47	Structure Wo (180 D..	None					124		
48	Structure Wo (210 D..	None					124		
49	Structure Wo (240 D..	None					124		
50	Structure Wo (270 D..	None					124		
51	Structure Wo (300 D..	None					124		
52	Structure Wo (330 D..	None					124		
53	Structure Wi (0 Deg)	None					124		
54	Structure Wi (30 Deg)	None					124		
55	Structure Wi (60 Deg)	None					124		
56	Structure Wi (90 Deg)	None					124		
57	Structure Wi (120 De..	None					124		
58	Structure Wi (150 De..	None					124		



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
59	Structure Wi (180 De..	None						124	
60	Structure Wi (210 De..	None						124	
61	Structure Wi (240 De..	None						124	
62	Structure Wi (270 De..	None						124	
63	Structure Wi (300 De..	None						124	
64	Structure Wi (330 De..	None						124	
65	Structure Wm (0 Deg)	None						124	
66	Structure Wm (30 De..	None						124	
67	Structure Wm (60 De..	None						124	
68	Structure Wm (90 De..	None						124	
69	Structure Wm (120 D..	None						124	
70	Structure Wm (150 D..	None						124	
71	Structure Wm (180 D..	None						124	
72	Structure Wm (210 D..	None						124	
73	Structure Wm (240 D..	None						124	
74	Structure Wm (270 D..	None						124	
75	Structure Wm (300 D..	None						124	
76	Structure Wm (330 D..	None						124	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					108		
82	Antenna Eh (0 Deg)	None					72		
83	Antenna Eh (90 Deg)	None					72		
84	Structure Ev	ELY		-043					3
85	Structure Eh (0 Deg)	ELZ			-107				3
86	Structure Eh (90 Deg)	ELX	.107						3
87	BLC 39 Transient Are..	None						30	
88	BLC 40 Transient Are..	None						30	
89	BLC 84 Transient Are..	None						30	
90	BLC 85 Transient Are..	None						30	
91	BLC 86 Transient Are..	None						30	

Load Combinations

	Description	So...	P...	S...	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.
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 D..	Yes	Y		1	1.2	39	1.2	7	1	45	1		
6	1.2D+1.0Wo (150 D..	Yes	Y		1	1.2	39	1.2	8	1	46	1		
7	1.2D+1.0Wo (180 D..	Yes	Y		1	1.2	39	1.2	9	1	47	1		
8	1.2D+1.0Wo (210 D..	Yes	Y		1	1.2	39	1.2	10	1	48	1		
9	1.2D+1.0Wo (240 D..	Yes	Y		1	1.2	39	1.2	11	1	49	1		
10	1.2D+1.0Wo (270 D..	Yes	Y		1	1.2	39	1.2	12	1	50	1		
11	1.2D+1.0Wo (300 D..	Yes	Y		1	1.2	39	1.2	13	1	51	1		
12	1.2D+1.0Wo (330 D..	Yes	Y		1	1.2	39	1.2	14	1	52	1		
13	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1
14	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1
15	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1
16	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1
17	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1
18	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1
19	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1
20	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1
21	1.2D + 1.0Di + 1.0W..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1



Load Combinations (Continued)

Description	So.	P...	S...	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.	BLCFac.
22	1.2D + 1.0Di + 1.0W...	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1
23	1.2D + 1.0Di + 1.0W...	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1
24	1.2D + 1.0Di + 1.0W...	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1		
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1		
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1		
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1		
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1		
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1		
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1		
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1		
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1		
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1		
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1		
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1		
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1		
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1		
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1		
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1		
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1		
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1		
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1		
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1		
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1		
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1		
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1		
48	1.2D + 1.5Lm2 + 1.0...	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 + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	1	83	ELZ 1 ELX
53	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5 ELZ .866 ELX .5
54	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866 ELZ .5 ELX .866
55	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	1 ELZ ELX 1
56	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866 ELZ -.5 ELX .866
57	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5 ELZ -.866 ELX .5
58	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5 ELZ -.866 ELX -.5
59	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866 ELZ -.5 ELX .866
60	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-.1 ELZ ELX -.1
61	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866 ELZ .5 ELX .866
62	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5 ELZ .866 ELX -.5
63	1.2D + 1.0Ev + 1.0E...	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	ELZ 1 ELX
64	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	1	83	ELZ .866 ELX .5
65	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5 ELZ .866 ELX .866
66	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866 ELZ .5 ELX .866
67	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	1 ELZ ELX 1
68	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866 ELZ -.5 ELX .866
69	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5 ELZ -.866 ELX .5
70	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.1	83	ELZ -.1 ELX
71	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5 ELZ -.866 ELX -.5
72	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866 ELZ -.5 ELX .866
73	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82		83	-.1 ELZ ELX -.1
74	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866 ELZ .5 ELX .866
75	0.9D - 1.0Ev + 1.0E...	Yes	Y	1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5 ELZ .866 ELX -.5



Joint Coordinates and Temperatures

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
1	N3	-0.	0	-2.035833	0	
2	N5	-2.541667	0	-3.535833	0	
3	N6	2.315104	0.166667	-3.535833	0	
4	N7	-2.315104	0.166667	-3.535833	0	
5	N24	-0.	0	-3.535833	0	
6	N27	-0.	0	-7.223333	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-3.535833	0	
9	N30	-2.315104	0	-3.535833	0	
10	N101	2.541667	0	-3.535833	0	
11	N102	-0.166667	0	-3.535833	0	
12	N103A	0.166667	0	-3.535833	0	
13	N104A	-2.541667	0	-3.754583	0	
14	N105	2.541667	0	-3.754583	0	
15	N131	2.458333	0	-3.898921	0	
16	N144	-2.458333	0	-3.898921	0	
17	N86A	2.584629	0	-3.971838	0	
18	N86B	-2.584629	0	-3.971838	0	
19	N86C	-0.515625	0	-7.223333	0	
20	N87A	0.515625	0	-7.223333	0	
21	N88A	-0.	0	-7.14	0	
22	N87C	0.234238	0.166667	-7.14	0	
23	N86G	0.234238	0	-7.14	0	
24	N87B	-0.234238	0.166667	-7.14	0	
25	N88C	-0.234238	0	-7.14	0	
26	N87D	-1.763083	0	1.017917	0	
27	N88B	-1.791288	0	3.969065	0	
28	N89	-4.219674	0.166667	-0.237022	0	
29	N90	-1.904569	0.166667	3.772856	0	
30	N91	-3.062121	0	1.767917	0	
31	N92	-6.25559	0	3.611667	0	
32	N93	-4.219674	0	-0.237022	0	
33	N94	-1.904569	0	3.772856	0	
34	N95	-4.332955	0	-0.433231	0	
35	N96	-2.978788	0	1.912254	0	
36	N97	-3.145455	0	1.623579	0	
37	N98	-1.980731	0	4.07844	0	
38	N99	-4.522398	0	-0.323856	0	
39	N100	-4.605731	0	-0.179519	0	
40	N102A	-2.147398	0	4.07844	0	
41	N104	-4.732027	0	-0.252435	0	
42	N105A	-2.147398	0	4.224273	0	
43	N106	-5.997778	0	4.058211	0	
44	N107	-6.513403	0	3.165122	0	
45	N110	-6.183421	0	3.57	0	
46	N111	-6.30054	0.166667	3.367144	0	
47	N112	-6.30054	0	3.367144	0	
48	N113	-6.066303	0.166667	3.772856	0	
49	N114	-6.066303	0	3.772856	0	
50	N115	1.763083	0	1.017917	0	
51	N116	4.332955	0	-0.433231	0	
52	N117	1.904569	0.166667	3.772856	0	
53	N118	4.219674	0.166667	-0.237022	0	
54	N119	3.062121	0	1.767917	0	
55	N120	6.25559	0	3.611667	0	
56	N121	1.904569	0	3.772856	0	
57	N122	4.219674	0	-0.237022	0	
58	N123	1.791288	0	3.969065	0	



Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
59	N124	3.145455	0	1.623579	0	
60	N125	2.978788	0	1.912254	0	
61	N126	4.522398	0	-0.323856	0	
62	N127	1.980731	0	4.07844	0	
63	N128	2.147398	0	4.07844	0	
64	N129	5.872799	0	4.058211	0	
65	N130	4.605731	0	-0.179519	0	
66	N132	2.147398	0	4.224273	0	
67	N133	4.732027	0	-0.252436	0	
68	N134	6.513403	0	3.165122	0	
69	N135A	5.997778	0	4.058211	0	
70	N136	5.872799	0	4.224273	0	
71	N138	6.183421	0	3.57	0	
72	N139	6.066303	0.166667	3.772856	0	
73	N140	6.066303	0	3.772856	0	
74	N141	6.30054	0.166667	3.367144	0	
75	N142	6.30054	0	3.367144	0	
76	N82	-5.872799	0	4.058211	0	
77	N84	-5.872799	0	4.224273	0	
78	N85	0.578115	0	-7.115098	0	
79	N87	0.721929	0	-7.198129	0	
80	N88	6.450913	0	3.056887	0	
81	N89A	6.594727	0	2.973856	0	
82	N91A	-6.450913	0	3.056887	0	
83	N93A	-6.594727	0	2.973856	0	
84	N94A	-0.578115	0	-7.115098	0	
85	N95A	-0.721929	0	-7.198129	0	
86	N92A	7.622799	0	4.224273	0	
87	N94B	-6.877201	0	4.224273	0	
88	N94C	-0.153071	0	-8.713674	0	
89	N95B	7.096929	0	3.843695	0	
90	N96A	-7.469727	0	4.489401	0	
91	N97A	-0.219727	0	-8.067968	0	
92	N96B	6.372799	0	4.224273	0	
93	N98A	6.372799	0	4.474273	0	
94	N99A	6.372799	-0.75	4.474273	0	
95	N100A	6.372799	5.25	4.474273	0	
96	N96C	4.372799	0	4.224273	0	
97	N97B	4.372799	0	4.474273	0	
98	N98B	4.372799	-0.75	4.474273	0	
99	N99B	4.372799	5.25	4.474273	0	
100	N100B	0.539465	0	4.224273	0	
101	N101A	0.539465	0	4.474273	0	
102	N102B	0.539465	-2.666667	4.474273	0	
103	N103	0.539465	4.333333	4.474273	0	
104	N104B	-3.627201	0	4.224273	0	
105	N105B	-3.627201	0	4.474273	0	
106	N106A	-3.627201	-1.083333	4.474273	0	
107	N107A	-3.627201	5.916667	4.474273	0	
108	N108	-5.627201	0	4.224273	0	
109	N109	-5.627201	0	4.474273	0	
110	N110A	-5.627201	-0.75	4.474273	0	
111	N111A	-5.627201	5.25	4.474273	0	
112	N112A	0.471929	0	-7.631142	0	
113	N113A	0.688435	0	-7.756142	0	
114	N114A	0.688435	-0.75	-7.756142	0	
115	N115A	0.688435	5.25	-7.756142	0	
116	N116A	1.471929	0	-5.899091	0	
117	N117A	1.688435	0	-6.024091	0	



Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
118	N118A	1.688435	-.75	-6.024091	0	
119	N119A	1.688435	5.25	-6.024091	0	
120	N120A	3.388595	0	-2.579327	0	
121	N121A	3.605102	0	-2.704327	0	
122	N122A	3.605102	-2.666667	-2.704327	0	
123	N123A	3.605102	4.333333	-2.704327	0	
124	N124A	5.471929	0	1.029112	0	
125	N125A	5.688435	0	0.904112	0	
126	N128A	6.471929	0	2.761163	0	
127	N129A	6.688435	0	2.636163	0	
128	N130A	6.688435	-.75	2.636163	0	
129	N131A	6.688435	5.25	2.636163	0	
130	N132A	-6.844727	0	3.406869	0	
131	N133A	-7.061234	0	3.281869	0	
132	N134A	-7.061234	-.75	3.281869	0	
133	N135	-7.061234	5.25	3.281869	0	
134	N136A	-5.844727	0	1.674818	0	
135	N137	-6.061234	0	1.549818	0	
136	N138A	-6.061234	-.75	1.549818	0	
137	N139A	-6.061234	5.25	1.549818	0	
138	N140A	-3.928061	0	-1.644946	0	
139	N141A	-4.144567	0	-1.769946	0	
140	N142A	-4.144567	-2.666667	-1.769946	0	
141	N143	-4.144567	4.333333	-1.769946	0	
142	N144A	-1.844727	0	-5.253385	0	
143	N145	-2.061234	0	-5.378385	0	
144	N146	-2.061234	-.75	-5.378385	0	
145	N147	-2.061234	5.25	-5.378385	0	
146	N148	-0.844727	0	-6.985436	0	
147	N149	-1.061234	0	-7.110436	0	
148	N150	-1.061234	-.75	-7.110436	0	
149	N151	-1.061234	5.25	-7.110436	0	
150	N257	5.688435	-.75	0.904112	0	
151	N258	5.688435	5.25	0.904112	0	
152	N162	-0.	0	-2.785833	0	
153	N164	0.270833	0	-2.785833	0	
154	N162A	0.270833	-.5	-2.785833	0	
155	N164A	0.270833	2.5	-2.785833	0	
156	N162B	2.412602	0	1.392917	0	
157	N163B	2.277186	0	1.627465	0	
158	N163C	2.277186	-.5	1.627465	0	
159	N164B	2.277186	2.5	1.627465	0	
160	N160	7.250099	3	4.224273	0	
161	N161	-7.249901	3	4.224273	0	
162	N166	6.372799	3	4.224273	0	
163	N167	6.372799	3	4.474273	0	
164	N168	4.372799	3	4.224273	0	
165	N169	4.372799	3	4.474273	0	
166	N170	0.539465	3	4.224273	0	
167	N171	0.539465	3	4.474273	0	
168	N172	-3.627201	3	4.224273	0	
169	N173	-3.627201	3	4.474273	0	
170	N174	-5.627201	3	4.224273	0	
171	N175	-5.627201	3	4.474273	0	
172	N176	0.471929	3	-7.631142	0	
173	N177	0.688435	3	-7.756142	0	
174	N178	1.471929	3	-5.899091	0	
175	N179	1.688435	3	-6.024091	0	
176	N180	3.388595	3	-2.579327	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N181	3.605102	3	-2.704327	0	
178	N182	5.471929	3	1.029112	0	
179	N183	5.688435	3	0.904112	0	
180	N184	6.471929	3	2.761163	0	
181	N185	6.688435	3	2.636163	0	
182	N186	-6.844727	3	3.406869	0	
183	N187	-7.061234	3	3.281869	0	
184	N188	-5.844727	3	1.674818	0	
185	N189	-6.061234	3	1.549818	0	
186	N190	-6.061234	2.25	1.549818	0	
187	N191	-3.928061	3	-1.644946	0	
188	N192	-4.144567	3	-1.769946	0	
189	N193	-1.844727	3	-5.253385	0	
190	N194	-2.061234	3	-5.378385	0	
191	N195	-0.844727	3	-6.985436	0	
192	N196	-1.061234	3	-7.110436	0	
193	N197	-6.043868	3	4.224273	0	
194	N198	-6.043868	3	4.099273	0	
195	N199	6.043868	3	4.224273	0	
196	N200	6.043868	3	4.099273	0	
197	N201	6.680262	3	3.122007	0	
198	N202	6.572009	3	3.184507	0	
199	N203	0.636394	3	-7.34628	0	
200	N204	0.528141	3	-7.28378	0	
201	N205	-0.636394	3	-7.34628	0	
202	N206	-0.528141	3	-7.28378	0	
203	N207	-6.680262	3	3.122007	0	
204	N208	-6.572009	3	3.184507	0	
205	N205A	0.372799	3	4.224273	0	
206	N206A	0.372799	0	4.224273	0	
207	N207A	0.033279	3	-8.390906	0	
208	N208A	7.283279	3	4.166462	0	
209	N209	-7.283377	3	4.166633	0	
210	N210	-0.033377	3	-8.390735	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in ²]	I _{yy} [in ⁴]	I _{zz} [in ⁴]	J [in ⁴]
1	Face Horizo...	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Hor...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R..	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cro...	HSS4X4X4	Beam	SquareTube	A500 Gr.B R..	Typical	3.37	7.8	7.8	12.8
5	Grating Sup...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm P..	PL3/8X6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail...	L3X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101

Hot Rolled Steel Properties

	Label	E [ksil]	G [ksil]	Nu	Therm (/1E... Density[k/ft...)	Yield[ksil]	Rv	Fu[ksil]	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



Hot Rolled Steel Properties (Continued)

8	Label	E [ksil]	G [ksil]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksil]	Rv	Fu[ksil]	Rt
	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	M4	N3	N27		Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
2	M10	N101	N103A		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
3	M43	N102	N5		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
4	M46	N86C	N87A		Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30		RIGID	None	None	RIGID	Typical
6	M36A	N6	N29		RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C		RIGID	None	None	RIGID	Typical
10	M58	N102	N24		RIGID	None	None	RIGID	Typical
11	M59	N24	N103A		RIGID	None	None	RIGID	Typical
12	M76	N101	N105		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A		RIGID	None	None	RIGID	Typical
15	M84	N5	N104A		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M85	N104A	N144		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M88	N144	N86B		RIGID	None	None	RIGID	Typical
18	M50	N88C	N88A		RIGID	None	None	RIGID	Typical
19	M51	N88A	N86G		RIGID	None	None	RIGID	Typical
20	M51A	N87C	N86G		RIGID	None	None	RIGID	Typical
21	M52A	N87D	N92		Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
22	M53	N95	N97		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
23	M54	N96	N88B		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
24	M55	N106	N107		Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M56	N90	N94		RIGID	None	None	RIGID	Typical
26	M57	N89	N93		RIGID	None	None	RIGID	Typical
27	M58A	N111	N89		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
28	M59A	N90	N113		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
29	M60	N113	N114		RIGID	None	None	RIGID	Typical
30	M61	N96	N91		RIGID	None	None	RIGID	Typical
31	M62	N91	N97		RIGID	None	None	RIGID	Typical
32	M63	N95	N99		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M64	N99	N100		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
34	M65	N100	N104		RIGID	None	None	RIGID	Typical
35	M68	N88B	N98		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
36	M69	N98	N102A		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M70	N102A	N105A		RIGID	None	None	RIGID	Typical
38	M73	N114	N110		RIGID	None	None	RIGID	Typical
39	M74	N110	N112		RIGID	None	None	RIGID	Typical
40	M75	N111	N112		RIGID	None	None	RIGID	Typical
41	M76A	N115	N120		Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
42	M77A	N123	N125		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
43	M78	N124	N116		Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
44	M79A	N134	N135A		Corner Plate	Beam	RECT	A36 Gr.36	Typical
45	M80A	N118	N122		RIGID	None	None	RIGID	Typical
46	M81	N117	N121		RIGID	None	None	RIGID	Typical
47	M82	N139	N117		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
48	M83A	N118	N141		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
49	M84A	N141	N142		RIGID	None	None	RIGID	Typical
50	M85A	N124	N119		RIGID	None	None	RIGID	Typical
51	M86	N119	N125		RIGID	None	None	RIGID	Typical
52	M87	N123	N127		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
53	M88A	N127	N128		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
54	M89	N128	N132			RIGID	None	None	RIGID	Typical
55	M90	N135A	N129			Corner Plate	Beam	RECT	A36 Gr.36	Typical
56	M91A	N129	N136			RIGID	None	None	RIGID	Typical
57	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
58	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
59	M94	N130	N133			RIGID	None	None	RIGID	Typical
60	M97	N142	N138			RIGID	None	None	RIGID	Typical
61	M98	N138	N140			RIGID	None	None	RIGID	Typical
62	M99	N139	N140			RIGID	None	None	RIGID	Typical
63	M66	N106	N82			Corner Plate	Beam	RECT	A36 Gr.36	Typical
64	M67	N82	N84			RIGID	None	None	RIGID	Typical
65	M68A	N87A	N85			Corner Plate	Beam	RECT	A36 Gr.36	Typical
66	M69A	N85	N87			RIGID	None	None	RIGID	Typical
67	M70A	N134	N88			Corner Plate	Beam	RECT	A36 Gr.36	Typical
68	M71	N88	N89A			RIGID	None	None	RIGID	Typical
69	M72	N107	N91A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
70	M73A	N91A	N93A			RIGID	None	None	RIGID	Typical
71	M74A	N86C	N94A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
72	M75A	N94A	N95A			RIGID	None	None	RIGID	Typical
73	M76B	N92A	N94B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M77B	N94C	N95B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M78A	N96A	N97A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M78B	N96B	N98A			RIGID	None	None	RIGID	Typical
77	MP1A	N100A	N99A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78C	N96C	N97B			RIGID	None	None	RIGID	Typical
79	MP2A	N99B	N98B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80	N100B	N101A			RIGID	None	None	RIGID	Typical
81	MP3A	N103	N102B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82A	N104B	N105B			RIGID	None	None	RIGID	Typical
83	MP4A	N107A	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84B	N108	N109			RIGID	None	None	RIGID	Typical
85	MP5A	N111A	N110A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
87	MP1C	N115A	N114A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M88B	N116A	N117A			RIGID	None	None	RIGID	Typical
89	MP2C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90A	N120A	N121A			RIGID	None	None	RIGID	Typical
91	MP3C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92	N124A	N125A			RIGID	None	None	RIGID	Typical
93	M94A	N128A	N129A			RIGID	None	None	RIGID	Typical
94	MP5C	N131A	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	M96	N132A	N133A			RIGID	None	None	RIGID	Typical
96	MP1B	N135	N134A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M98A	N136A	N137			RIGID	None	None	RIGID	Typical
98	MP2B	N139A	N138A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M100	N140A	N141A			RIGID	None	None	RIGID	Typical
100	MP3B	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	M102	N144A	N145			RIGID	None	None	RIGID	Typical
102	MP4B	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M104	N148	N149			RIGID	None	None	RIGID	Typical
104	MP5B	N151	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP4C	N258	N257			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M316	N164	N162			RIGID	None	None	RIGID	Typical
107	M318	N164A	N162A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
108	M110	N163B	N162B			RIGID	None	None	RIGID	Typical
109	M111	N164B	N163C			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M110A	N160	N161			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M113	N166	N167			RIGID	None	None	RIGID	Typical
112	M114	N168	N169			RIGID	None	None	RIGID	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
113	M115	N170	N171			RIGID	None	None	RIGID	Typical
114	M116	N172	N173			RIGID	None	None	RIGID	Typical
115	M117	N174	N175			RIGID	None	None	RIGID	Typical
116	M118	N176	N177			RIGID	None	None	RIGID	Typical
117	M119	N178	N179			RIGID	None	None	RIGID	Typical
118	M120	N180	N181			RIGID	None	None	RIGID	Typical
119	M121	N182	N183			RIGID	None	None	RIGID	Typical
120	M122	N184	N185			RIGID	None	None	RIGID	Typical
121	M123	N186	N187			RIGID	None	None	RIGID	Typical
122	M124	N188	N189			RIGID	None	None	RIGID	Typical
123	M125	N191	N192			RIGID	None	None	RIGID	Typical
124	M126	N193	N194			RIGID	None	None	RIGID	Typical
125	M127	N195	N196			RIGID	None	None	RIGID	Typical
126	M128	N197	N198			RIGID	None	None	RIGID	Typical
127	M129	N199	N200			RIGID	None	None	RIGID	Typical
128	M130	N201	N202			RIGID	None	None	RIGID	Typical
129	M131	N203	N204			RIGID	None	None	RIGID	Typical
130	M132	N205	N206			RIGID	None	None	RIGID	Typical
131	M133	N207	N208			RIGID	None	None	RIGID	Typical
132	M134	N208	N198		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
133	M135	N200	N202		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
134	M136	N204	N206		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
135	M135A	N207A	N208A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
136	M136A	N209	N210			Support Rail	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M84						Yes	** NA **			None
16	M85						Yes	** NA **			None
17	M88		BenPIN				Yes	** NA **			None
18	M50						Yes	** NA **			None
19	M51						Yes	** NA **			None
20	M51A						Yes	** NA **			None
21	M52A						Yes				None
22	M53						Yes	Default			None
23	M54						Yes	Default			None
24	M55						Yes	Default			None
25	M56						Yes	** NA **			None
26	M57						Yes	** NA **			None
27	M58A	OOOOOX	OOOOOX				Yes	Default			None
28	M59A	OOOOOX	OOOOOX				Yes	Default			None
29	M60						Yes	** NA **			None
30	M61						Yes	** NA **			None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
31	M62						Yes	** NA **			None
32	M63						Yes	** NA **			None
33	M64						Yes	** NA **			None
34	M65		BenPIN				Yes	** NA **			None
35	M68						Yes	** NA **			None
36	M69						Yes	** NA **			None
37	M70		BenPIN				Yes	** NA **			None
38	M73						Yes	** NA **			None
39	M74						Yes	** NA **			None
40	M75						Yes	** NA **			None
41	M76A						Yes	Default			None
42	M77A						Yes	Default			None
43	M78						Yes	Default			None
44	M79A						Yes	Default			None
45	M80A						Yes	** NA **			None
46	M81						Yes	** NA **			None
47	M82	OOOOOX	OOOOOX				Yes	Default			None
48	M83A	OOOOOX	OOOOOX				Yes	Default			None
49	M84A						Yes	** NA **			None
50	M85A						Yes	** NA **			None
51	M86						Yes	** NA **			None
52	M87						Yes	** NA **			None
53	M88A						Yes	** NA **			None
54	M89		BenPIN				Yes	** NA **			None
55	M90						Yes	** NA **			None
56	M91A		BenPIN				Yes	** NA **			None
57	M92A						Yes	** NA **			None
58	M93						Yes	** NA **			None
59	M94		BenPIN				Yes	** NA **			None
60	M97						Yes	** NA **			None
61	M98						Yes	** NA **			None
62	M99						Yes	** NA **			None
63	M66						Yes	** NA **			None
64	M67		BenPIN				Yes	** NA **			None
65	M68A						Yes	** NA **			None
66	M69A		BenPIN				Yes	** NA **			None
67	M70A						Yes	** NA **			None
68	M71		BenPIN				Yes	** NA **			None
69	M72						Yes	** NA **			None
70	M73A		BenPIN				Yes	** NA **			None
71	M74A						Yes	** NA **			None
72	M75A		BenPIN				Yes	** NA **			None
73	M76B						Yes	Default			None
74	M77B						Yes	Default			None
75	M78A						Yes	Default			None
76	M78B						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78C						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	M82A						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84B						Yes	** NA **			None
85	MP5A						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	MP1C						Yes	** NA **			None
88	M88B						Yes	** NA **			None
89	MP2C						Yes	** NA **			None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
90	M90A						Yes	** NA **			None
91	MP3C						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M94A						Yes	** NA **			None
94	MP5C						Yes	** NA **			None
95	M96						Yes	** NA **			None
96	MP1B						Yes	** NA **			None
97	M98A						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	M100						Yes	** NA **			None
100	MP3B						Yes	** NA **			None
101	M102						Yes	** NA **			None
102	MP4B						Yes	** NA **			None
103	M104						Yes	** NA **			None
104	MP5B						Yes	** NA **			None
105	MP4C						Yes	** NA **			None
106	M316						Yes	** NA **			None
107	M318						Yes	** NA **			None
108	M110						Yes	** NA **			None
109	M111						Yes	** NA **			None
110	M110A						Yes	Default			None
111	M113						Yes	** NA **			None
112	M114						Yes	** NA **			None
113	M115						Yes	** NA **			None
114	M116						Yes	** NA **			None
115	M117						Yes	** NA **			None
116	M118						Yes	** NA **			None
117	M119						Yes	** NA **			None
118	M120						Yes	** NA **			None
119	M121						Yes	** NA **			None
120	M122						Yes	** NA **			None
121	M123						Yes	** NA **			None
122	M124						Yes	** NA **			None
123	M125						Yes	** NA **			None
124	M126						Yes	** NA **			None
125	M127						Yes	** NA **			None
126	M128	OOOOOX					Yes	** NA **			None
127	M129	OOOOOX					Yes	** NA **			None
128	M130	OOOOOX					Yes	** NA **			None
129	M131	OOOOOX					Yes	** NA **			None
130	M132	OOOOOX					Yes	** NA **			None
131	M133	OOOOOX					Yes	** NA **			None
132	M134						Yes				None
133	M135						Yes				None
134	M136						Yes				None
135	M135A						Yes	Default			None
136	M136A						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	1
2	MP3A	My	-.011	1
3	MP3A	Mz	.011	1
4	MP3A	Y	-21.85	5.5
5	MP3A	My	-.011	5.5
6	MP3A	Mz	.011	5.5
7	MP3B	Y	-21.85	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
8	MP3B	My	-.004	1
9	MP3B	Mz	-.015	1
10	MP3B	Y	-21.85	5.5
11	MP3B	My	-.004	5.5
12	MP3B	Mz	-.015	5.5
13	MP3C	Y	-21.85	1
14	MP3C	My	.015	1
15	MP3C	Mz	.004	1
16	MP3C	Y	-21.85	5.5
17	MP3C	My	.015	5.5
18	MP3C	Mz	.004	5.5
19	MP3A	Y	-21.85	1
20	MP3A	My	-.011	1
21	MP3A	Mz	-.011	1
22	MP3A	Y	-21.85	5.5
23	MP3A	My	-.011	5.5
24	MP3A	Mz	-.011	5.5
25	MP3B	Y	-21.85	1
26	MP3B	My	.015	1
27	MP3B	Mz	-.004	1
28	MP3B	Y	-21.85	5.5
29	MP3B	My	.015	5.5
30	MP3B	Mz	-.004	5.5
31	MP3C	Y	-21.85	1
32	MP3C	My	-.004	1
33	MP3C	Mz	.015	1
34	MP3C	Y	-21.85	5.5
35	MP3C	My	-.004	5.5
36	MP3C	Mz	.015	5.5
37	MP3A	Y	-84.4	1.5
38	MP3A	My	.042	1.5
39	MP3A	Mz	0	1.5
40	MP3B	Y	-84.4	1.5
41	MP3B	My	-.021	1.5
42	MP3B	Mz	.037	1.5
43	MP3C	Y	-84.4	1.5
44	MP3C	My	-.021	1.5
45	MP3C	Mz	-.037	1.5
46	MP3A	Y	-70.3	4
47	MP3A	My	.035	4
48	MP3A	Mz	0	4
49	MP3B	Y	-70.3	4
50	MP3B	My	-.018	4
51	MP3B	Mz	.03	4
52	MP3C	Y	-70.3	4
53	MP3C	My	-.018	4
54	MP3C	Mz	-.03	4
55	M111	Y	-32	1.5
56	M111	My	0	1.5
57	M111	Mz	0	1.5
58	M318	Y	-32	1.5
59	M318	My	0	1.5
60	M318	Mz	0	1.5
61	MP5A	Y	-8.5	.5
62	MP5A	My	-.004	.5
63	MP5A	Mz	0	.5
64	MP5A	Y	-8.5	5.5
65	MP5A	My	-.004	5.5
66	MP5A	Mz	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
67	MP5B	Y	-8.5	.5
68	MP5B	My	.002	.5
69	MP5B	Mz	-.004	.5
70	MP5B	Y	-8.5	5.5
71	MP5B	My	.002	5.5
72	MP5B	Mz	-.004	5.5
73	MP5C	Y	-8.5	.5
74	MP5C	My	.002	.5
75	MP5C	Mz	.004	.5
76	MP5C	Y	-8.5	5.5
77	MP5C	My	.002	5.5
78	MP5C	Mz	.004	5.5
79	MP1A	Y	-43.55	2.5
80	MP1A	My	-.022	2.5
81	MP1A	Mz	0	2.5
82	MP1A	Y	-43.55	3.5
83	MP1A	My	-.022	3.5
84	MP1A	Mz	0	3.5
85	MP1B	Y	-43.55	2.5
86	MP1B	My	.011	2.5
87	MP1B	Mz	-.019	2.5
88	MP1B	Y	-43.55	3.5
89	MP1B	My	.011	3.5
90	MP1B	Mz	-.019	3.5
91	MP1C	Y	-43.55	2.5
92	MP1C	My	.011	2.5
93	MP1C	Mz	.019	2.5
94	MP1C	Y	-43.55	3.5
95	MP1C	My	.011	3.5
96	MP1C	Mz	.019	3.5
97	M110A	Y	-17.6	5.75
98	M110A	My	-.004	5.75
99	M110A	Mz	0	5.75
100	M110A	Y	-17.6	5.75
101	M110A	My	.004	5.75
102	M110A	Mz	0	5.75
103	M136A	Y	-17.6	5.75
104	M136A	My	.002	5.75
105	M136A	Mz	-.004	5.75
106	M136A	Y	-17.6	5.75
107	M136A	My	-.002	5.75
108	M136A	Mz	.004	5.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-59.544	1
2	MP3A	My	-.03	1
3	MP3A	Mz	.03	1
4	MP3A	Y	-59.544	5.5
5	MP3A	My	-.03	5.5
6	MP3A	Mz	.03	5.5
7	MP3B	Y	-59.544	1
8	MP3B	My	-.011	1
9	MP3B	Mz	-.041	1
10	MP3B	Y	-59.544	5.5
11	MP3B	My	-.011	5.5
12	MP3B	Mz	-.041	5.5
13	MP3C	Y	-59.544	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP3C	My	.041	1
15	MP3C	Mz	.011	1
16	MP3C	Y	-59.544	5.5
17	MP3C	My	.041	5.5
18	MP3C	Mz	.011	5.5
19	MP3A	Y	-59.544	1
20	MP3A	My	-.03	1
21	MP3A	Mz	-.03	1
22	MP3A	Y	-59.544	5.5
23	MP3A	My	-.03	5.5
24	MP3A	Mz	-.03	5.5
25	MP3B	Y	-59.544	1
26	MP3B	My	.041	1
27	MP3B	Mz	-.011	1
28	MP3B	Y	-59.544	5.5
29	MP3B	My	.041	5.5
30	MP3B	Mz	-.011	5.5
31	MP3C	Y	-59.544	1
32	MP3C	My	-.011	1
33	MP3C	Mz	.041	1
34	MP3C	Y	-59.544	5.5
35	MP3C	My	-.011	5.5
36	MP3C	Mz	.041	5.5
37	MP3A	Y	-44.105	1.5
38	MP3A	My	.022	1.5
39	MP3A	Mz	0	1.5
40	MP3B	Y	-44.105	1.5
41	MP3B	My	-.011	1.5
42	MP3B	Mz	.019	1.5
43	MP3C	Y	-44.105	1.5
44	MP3C	My	-.011	1.5
45	MP3C	Mz	-.019	1.5
46	MP3A	Y	-39.582	4
47	MP3A	My	.02	4
48	MP3A	Mz	0	4
49	MP3B	Y	-39.582	4
50	MP3B	My	-.01	4
51	MP3B	Mz	.017	4
52	MP3C	Y	-39.582	4
53	MP3C	My	-.01	4
54	MP3C	Mz	-.017	4
55	M111	Y	-74.496	1.5
56	M111	My	0	1.5
57	M111	Mz	0	1.5
58	M318	Y	-74.496	1.5
59	M318	My	0	1.5
60	M318	Mz	0	1.5
61	MP5A	Y	-50.75	.5
62	MP5A	My	-.025	.5
63	MP5A	Mz	0	.5
64	MP5A	Y	-50.75	5.5
65	MP5A	My	-.025	5.5
66	MP5A	Mz	0	5.5
67	MP5B	Y	-50.75	.5
68	MP5B	My	.013	.5
69	MP5B	Mz	-.022	.5
70	MP5B	Y	-50.75	5.5
71	MP5B	My	.013	5.5
72	MP5B	Mz	-.022	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP5C	Y	-50.75	.5
74	MP5C	My	.013	.5
75	MP5C	Mz	.022	.5
76	MP5C	Y	-50.75	5.5
77	MP5C	My	.013	5.5
78	MP5C	Mz	.022	5.5
79	MP1A	Y	-34.926	2.5
80	MP1A	My	-.017	2.5
81	MP1A	Mz	0	2.5
82	MP1A	Y	-34.926	3.5
83	MP1A	My	-.017	3.5
84	MP1A	Mz	0	3.5
85	MP1B	Y	-34.926	2.5
86	MP1B	My	.009	2.5
87	MP1B	Mz	-.015	2.5
88	MP1B	Y	-34.926	3.5
89	MP1B	My	.009	3.5
90	MP1B	Mz	-.015	3.5
91	MP1C	Y	-34.926	2.5
92	MP1C	My	.009	2.5
93	MP1C	Mz	.015	2.5
94	MP1C	Y	-34.926	3.5
95	MP1C	My	.009	3.5
96	MP1C	Mz	.015	3.5
97	M110A	Y	-16.98	5.75
98	M110A	My	-.004	5.75
99	M110A	Mz	0	5.75
100	M110A	Y	-16.98	5.75
101	M110A	My	.004	5.75
102	M110A	Mz	0	5.75
103	M136A	Y	-16.98	5.75
104	M136A	My	.002	5.75
105	M136A	Mz	-.004	5.75
106	M136A	Y	-16.98	5.75
107	M136A	My	-.002	5.75
108	M136A	Mz	.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1
2	MP3A	Z	-111.557	1
3	MP3A	Mx	-.056	1
4	MP3A	X	0	5.5
5	MP3A	Z	-111.557	5.5
6	MP3A	Mx	-.056	5.5
7	MP3B	X	0	1
8	MP3B	Z	-63.791	1
9	MP3B	Mx	.044	1
10	MP3B	X	0	5.5
11	MP3B	Z	-63.791	5.5
12	MP3B	Mx	.044	5.5
13	MP3C	X	0	1
14	MP3C	Z	-63.791	1
15	MP3C	Mx	-.012	1
16	MP3C	X	0	5.5
17	MP3C	Z	-63.791	5.5
18	MP3C	Mx	-.012	5.5
19	MP3A	X	0	1



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
20	MP3A	Z	-111.557	1
21	MP3A	Mx	.056	1
22	MP3A	X	0	5.5
23	MP3A	Z	-111.557	5.5
24	MP3A	Mx	.056	5.5
25	MP3B	X	0	1
26	MP3B	Z	-63.791	1
27	MP3B	Mx	.012	1
28	MP3B	X	0	5.5
29	MP3B	Z	-63.791	5.5
30	MP3B	Mx	.012	5.5
31	MP3C	X	0	1
32	MP3C	Z	-63.791	1
33	MP3C	Mx	-.044	1
34	MP3C	X	0	5.5
35	MP3C	Z	-63.791	5.5
36	MP3C	Mx	-.044	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	-63.688	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	-47.972	1.5
42	MP3B	Mx	-.021	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	-47.972	1.5
45	MP3C	Mx	.021	1.5
46	MP3A	X	0	4
47	MP3A	Z	-63.46	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4
50	MP3B	Z	-41.965	4
51	MP3B	Mx	-.018	4
52	MP3C	X	0	4
53	MP3C	Z	-41.965	4
54	MP3C	Mx	.018	4
55	M111	X	0	1.5
56	M111	Z	-155.169	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	-155.169	1.5
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	-154.964	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	-154.964	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	-102.581	.5
69	MP5B	Mx	.044	.5
70	MP5B	X	0	5.5
71	MP5B	Z	-102.581	5.5
72	MP5B	Mx	.044	5.5
73	MP5C	X	0	.5
74	MP5C	Z	-102.581	.5
75	MP5C	Mx	-.044	.5
76	MP5C	X	0	5.5
77	MP5C	Z	-102.581	5.5
78	MP5C	Mx	-.044	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP1A	X	0	2.5
80	MP1A	Z	-80.246	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	-80.246	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	-40.788	2.5
87	MP1B	Mx	.018	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	-40.788	3.5
90	MP1B	Mx	.018	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	-40.788	2.5
93	MP1C	Mx	-.018	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	-40.788	3.5
96	MP1C	Mx	-.018	3.5
97	M110A	X	0	5.75
98	M110A	Z	-39.304	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	-39.304	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	-18.767	5.75
105	M136A	Mx	.004	5.75
106	M136A	X	0	5.75
107	M136A	Z	-18.767	5.75
108	M136A	Mx	-.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	47.818	1
2	MP3A	Z	-82.823	1
3	MP3A	Mx	-.065	1
4	MP3A	X	47.818	5.5
5	MP3A	Z	-82.823	5.5
6	MP3A	Mx	-.065	5.5
7	MP3B	X	23.934	1
8	MP3B	Z	-41.456	1
9	MP3B	Mx	.024	1
10	MP3B	X	23.934	5.5
11	MP3B	Z	-41.456	5.5
12	MP3B	Mx	.024	5.5
13	MP3C	X	47.818	1
14	MP3C	Z	-82.823	1
15	MP3C	Mx	.018	1
16	MP3C	X	47.818	5.5
17	MP3C	Z	-82.823	5.5
18	MP3C	Mx	.018	5.5
19	MP3A	X	47.818	1
20	MP3A	Z	-82.823	1
21	MP3A	Mx	.018	1
22	MP3A	X	47.818	5.5
23	MP3A	Z	-82.823	5.5
24	MP3A	Mx	.018	5.5
25	MP3B	X	23.934	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP3B	Z	-41.456	1
27	MP3B	Mx	.024	1
28	MP3B	X	23.934	5.5
29	MP3B	Z	-41.456	5.5
30	MP3B	Mx	.024	5.5
31	MP3C	X	47.818	1
32	MP3C	Z	-82.823	1
33	MP3C	Mx	-.065	1
34	MP3C	X	47.818	5.5
35	MP3C	Z	-82.823	5.5
36	MP3C	Mx	-.065	5.5
37	MP3A	X	29.225	1.5
38	MP3A	Z	-50.619	1.5
39	MP3A	Mx	.015	1.5
40	MP3B	X	21.366	1.5
41	MP3B	Z	-37.008	1.5
42	MP3B	Mx	-.021	1.5
43	MP3C	X	29.225	1.5
44	MP3C	Z	-50.619	1.5
45	MP3C	Mx	.015	1.5
46	MP3A	X	28.147	4
47	MP3A	Z	-48.753	4
48	MP3A	Mx	.014	4
49	MP3B	X	17.4	4
50	MP3B	Z	-30.138	4
51	MP3B	Mx	-.017	4
52	MP3C	X	28.147	4
53	MP3C	Z	-48.753	4
54	MP3C	Mx	.014	4
55	M111	X	71.027	1.5
56	M111	Z	-123.022	1.5
57	M111	Mx	0	1.5
58	M318	X	71.027	1.5
59	M318	Z	-123.022	1.5
60	M318	Mx	0	1.5
61	MP5A	X	68.752	.5
62	MP5A	Z	-119.081	.5
63	MP5A	Mx	-.034	.5
64	MP5A	X	68.752	5.5
65	MP5A	Z	-119.081	5.5
66	MP5A	Mx	-.034	5.5
67	MP5B	X	42.56	.5
68	MP5B	Z	-73.716	.5
69	MP5B	Mx	.043	.5
70	MP5B	X	42.56	5.5
71	MP5B	Z	-73.716	5.5
72	MP5B	Mx	.043	5.5
73	MP5C	X	68.752	.5
74	MP5C	Z	-119.081	.5
75	MP5C	Mx	-.034	.5
76	MP5C	X	68.752	5.5
77	MP5C	Z	-119.081	5.5
78	MP5C	Mx	-.034	5.5
79	MP1A	X	33.547	2.5
80	MP1A	Z	-58.104	2.5
81	MP1A	Mx	-.017	2.5
82	MP1A	X	33.547	3.5
83	MP1A	Z	-58.104	3.5
84	MP1A	Mx	-.017	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
85	MP1B	X	13.818	2.5
86	MP1B	Z	-23.933	2.5
87	MP1B	Mx	.014	2.5
88	MP1B	X	13.818	3.5
89	MP1B	Z	-23.933	3.5
90	MP1B	Mx	.014	3.5
91	MP1C	X	33.547	2.5
92	MP1C	Z	-58.104	2.5
93	MP1C	Mx	-.017	2.5
94	MP1C	X	33.547	3.5
95	MP1C	Z	-58.104	3.5
96	MP1C	Mx	-.017	3.5
97	M110A	X	16.229	5.75
98	M110A	Z	-28.11	5.75
99	M110A	Mx	-.004	5.75
100	M110A	X	16.229	5.75
101	M110A	Z	-28.11	5.75
102	M110A	Mx	.004	5.75
103	M136A	X	5.961	5.75
104	M136A	Z	-10.324	5.75
105	M136A	Mx	.003	5.75
106	M136A	X	5.961	5.75
107	M136A	Z	-10.324	5.75
108	M136A	Mx	-.003	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	55.245	1
2	MP3A	Z	-31.896	1
3	MP3A	Mx	-.044	1
4	MP3A	X	55.245	5.5
5	MP3A	Z	-31.896	5.5
6	MP3A	Mx	-.044	5.5
7	MP3B	X	55.245	1
8	MP3B	Z	-31.896	1
9	MP3B	Mx	.012	1
10	MP3B	X	55.245	5.5
11	MP3B	Z	-31.896	5.5
12	MP3B	Mx	.012	5.5
13	MP3C	X	96.611	1
14	MP3C	Z	-55.779	1
15	MP3C	Mx	.056	1
16	MP3C	X	96.611	5.5
17	MP3C	Z	-55.779	5.5
18	MP3C	Mx	.056	5.5
19	MP3A	X	55.245	1
20	MP3A	Z	-31.896	1
21	MP3A	Mx	-.012	1
22	MP3A	X	55.245	5.5
23	MP3A	Z	-31.896	5.5
24	MP3A	Mx	-.012	5.5
25	MP3B	X	55.245	1
26	MP3B	Z	-31.896	1
27	MP3B	Mx	.044	1
28	MP3B	X	55.245	5.5
29	MP3B	Z	-31.896	5.5
30	MP3B	Mx	.044	5.5
31	MP3C	X	96.611	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP3C	Z	-55.779	1
33	MP3C	Mx	-.056	1
34	MP3C	X	96.611	5.5
35	MP3C	Z	-55.779	5.5
36	MP3C	Mx	-.056	5.5
37	MP3A	X	41.545	1.5
38	MP3A	Z	-23.986	1.5
39	MP3A	Mx	.021	1.5
40	MP3B	X	41.545	1.5
41	MP3B	Z	-23.986	1.5
42	MP3B	Mx	-.021	1.5
43	MP3C	X	55.156	1.5
44	MP3C	Z	-31.844	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	36.343	4
47	MP3A	Z	-20.983	4
48	MP3A	Mx	.018	4
49	MP3B	X	36.343	4
50	MP3B	Z	-20.983	4
51	MP3B	Mx	-.018	4
52	MP3C	X	54.958	4
53	MP3C	Z	-31.73	4
54	MP3C	Mx	0	4
55	M111	X	100.307	1.5
56	M111	Z	-57.912	1.5
57	M111	Mx	0	1.5
58	M318	X	100.307	1.5
59	M318	Z	-57.912	1.5
60	M318	Mx	0	1.5
61	MP5A	X	88.838	.5
62	MP5A	Z	-51.29	.5
63	MP5A	Mx	-.044	.5
64	MP5A	X	88.838	5.5
65	MP5A	Z	-51.29	5.5
66	MP5A	Mx	-.044	5.5
67	MP5B	X	88.838	.5
68	MP5B	Z	-51.29	.5
69	MP5B	Mx	.044	.5
70	MP5B	X	88.838	5.5
71	MP5B	Z	-51.29	5.5
72	MP5B	Mx	.044	5.5
73	MP5C	X	134.203	.5
74	MP5C	Z	-77.482	.5
75	MP5C	Mx	0	.5
76	MP5C	X	134.203	5.5
77	MP5C	Z	-77.482	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	35.324	2.5
80	MP1A	Z	-20.394	2.5
81	MP1A	Mx	-.018	2.5
82	MP1A	X	35.324	3.5
83	MP1A	Z	-20.394	3.5
84	MP1A	Mx	-.018	3.5
85	MP1B	X	35.324	2.5
86	MP1B	Z	-20.394	2.5
87	MP1B	Mx	.018	2.5
88	MP1B	X	35.324	3.5
89	MP1B	Z	-20.394	3.5
90	MP1B	Mx	.018	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
91	MP1C	X	69.495	2.5
92	MP1C	Z	-40.123	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	69.495	3.5
95	MP1C	Z	-40.123	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	16.253	5.75
98	M110A	Z	-9.383	5.75
99	M110A	Mx	-.004	5.75
100	M110A	X	16.253	5.75
101	M110A	Z	-9.383	5.75
102	M110A	Mx	.004	5.75
103	M136A	X	16.253	5.75
104	M136A	Z	-9.383	5.75
105	M136A	Mx	.004	5.75
106	M136A	X	16.253	5.75
107	M136A	Z	-9.383	5.75
108	M136A	Mx	-.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	47.869	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.024	1
4	MP3A	X	47.869	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.024	5.5
7	MP3B	X	95.635	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.018	1
10	MP3B	X	95.635	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.018	5.5
13	MP3C	X	95.635	1
14	MP3C	Z	0	1
15	MP3C	Mx	.065	1
16	MP3C	X	95.635	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.065	5.5
19	MP3A	X	47.869	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.024	1
22	MP3A	X	47.869	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.024	5.5
25	MP3B	X	95.635	1
26	MP3B	Z	0	1
27	MP3B	Mx	.065	1
28	MP3B	X	95.635	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.065	5.5
31	MP3C	X	95.635	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.018	1
34	MP3C	X	95.635	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.018	5.5
37	MP3A	X	42.733	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP3A	Z	0	1.5
39	MP3A	Mx	.021	1.5
40	MP3B	X	58.449	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	-.015	1.5
43	MP3C	X	58.449	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	-.015	1.5
46	MP3A	X	34.8	4
47	MP3A	Z	0	4
48	MP3A	Mx	.017	4
49	MP3B	X	56.295	4
50	MP3B	Z	0	4
51	MP3B	Mx	-.014	4
52	MP3C	X	56.295	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.014	4
55	M111	X	102.71	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	102.71	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	85.12	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	-.043	.5
64	MP5A	X	85.12	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	-.043	5.5
67	MP5B	X	137.503	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	.034	.5
70	MP5B	X	137.503	5.5
71	MP5B	Z	0	5.5
72	MP5B	Mx	.034	5.5
73	MP5C	X	137.503	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	.034	.5
76	MP5C	X	137.503	5.5
77	MP5C	Z	0	5.5
78	MP5C	Mx	.034	5.5
79	MP1A	X	27.636	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	-.014	2.5
82	MP1A	X	27.636	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	-.014	3.5
85	MP1B	X	67.093	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	.017	2.5
88	MP1B	X	67.093	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	.017	3.5
91	MP1C	X	67.093	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	.017	2.5
94	MP1C	X	67.093	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	.017	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	M110A	X	11.921	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	-.003	5.75
100	M110A	X	11.921	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	.003	5.75
103	M136A	X	32.458	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	.004	5.75
106	M136A	X	32.458	5.75
107	M136A	Z	0	5.75
108	M136A	Mx	-.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	55.245	1
2	MP3A	Z	31.896	1
3	MP3A	Mx	-.012	1
4	MP3A	X	55.245	5.5
5	MP3A	Z	31.896	5.5
6	MP3A	Mx	-.012	5.5
7	MP3B	X	96.611	1
8	MP3B	Z	55.779	1
9	MP3B	Mx	-.056	1
10	MP3B	X	96.611	5.5
11	MP3B	Z	55.779	5.5
12	MP3B	Mx	-.056	5.5
13	MP3C	X	55.245	1
14	MP3C	Z	31.896	1
15	MP3C	Mx	.044	1
16	MP3C	X	55.245	5.5
17	MP3C	Z	31.896	5.5
18	MP3C	Mx	.044	5.5
19	MP3A	X	55.245	1
20	MP3A	Z	31.896	1
21	MP3A	Mx	-.044	1
22	MP3A	X	55.245	5.5
23	MP3A	Z	31.896	5.5
24	MP3A	Mx	-.044	5.5
25	MP3B	X	96.611	1
26	MP3B	Z	55.779	1
27	MP3B	Mx	.056	1
28	MP3B	X	96.611	5.5
29	MP3B	Z	55.779	5.5
30	MP3B	Mx	.056	5.5
31	MP3C	X	55.245	1
32	MP3C	Z	31.896	1
33	MP3C	Mx	.012	1
34	MP3C	X	55.245	5.5
35	MP3C	Z	31.896	5.5
36	MP3C	Mx	.012	5.5
37	MP3A	X	41.545	1.5
38	MP3A	Z	23.986	1.5
39	MP3A	Mx	.021	1.5
40	MP3B	X	55.156	1.5
41	MP3B	Z	31.844	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	41.545	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
44	MP3C	Z	23.986	1.5
45	MP3C	Mx	-.021	1.5
46	MP3A	X	36.343	4
47	MP3A	Z	20.983	4
48	MP3A	Mx	.018	4
49	MP3B	X	54.958	4
50	MP3B	Z	31.73	4
51	MP3B	Mx	0	4
52	MP3C	X	36.343	4
53	MP3C	Z	20.983	4
54	MP3C	Mx	-.018	4
55	M111	X	100.307	1.5
56	M111	Z	57.912	1.5
57	M111	Mx	0	1.5
58	M318	X	100.307	1.5
59	M318	Z	57.912	1.5
60	M318	Mx	0	1.5
61	MP5A	X	88.838	.5
62	MP5A	Z	51.29	.5
63	MP5A	Mx	-.044	.5
64	MP5A	X	88.838	5.5
65	MP5A	Z	51.29	5.5
66	MP5A	Mx	-.044	5.5
67	MP5B	X	134.203	.5
68	MP5B	Z	77.482	.5
69	MP5B	Mx	0	.5
70	MP5B	X	134.203	5.5
71	MP5B	Z	77.482	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	88.838	.5
74	MP5C	Z	51.29	.5
75	MP5C	Mx	.044	.5
76	MP5C	X	88.838	5.5
77	MP5C	Z	51.29	5.5
78	MP5C	Mx	.044	5.5
79	MP1A	X	35.324	2.5
80	MP1A	Z	20.394	2.5
81	MP1A	Mx	-.018	2.5
82	MP1A	X	35.324	3.5
83	MP1A	Z	20.394	3.5
84	MP1A	Mx	-.018	3.5
85	MP1B	X	69.495	2.5
86	MP1B	Z	40.123	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	69.495	3.5
89	MP1B	Z	40.123	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	35.324	2.5
92	MP1C	Z	20.394	2.5
93	MP1C	Mx	.018	2.5
94	MP1C	X	35.324	3.5
95	MP1C	Z	20.394	3.5
96	MP1C	Mx	.018	3.5
97	M110A	X	16.253	5.75
98	M110A	Z	9.383	5.75
99	M110A	Mx	-.004	5.75
100	M110A	X	16.253	5.75
101	M110A	Z	9.383	5.75
102	M110A	Mx	.004	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft,%)
103	M136A	X	34.038	5.75
104	M136A	Z	19.652	5.75
105	M136A	Mx	0	5.75
106	M136A	X	34.038	5.75
107	M136A	Z	19.652	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft,%)
1	MP3A	X	47.818	1
2	MP3A	Z	82.823	1
3	MP3A	Mx	.018	1
4	MP3A	X	47.818	5.5
5	MP3A	Z	82.823	5.5
6	MP3A	Mx	.018	5.5
7	MP3B	X	47.818	1
8	MP3B	Z	82.823	1
9	MP3B	Mx	-.065	1
10	MP3B	X	47.818	5.5
11	MP3B	Z	82.823	5.5
12	MP3B	Mx	-.065	5.5
13	MP3C	X	23.934	1
14	MP3C	Z	41.456	1
15	MP3C	Mx	.024	1
16	MP3C	X	23.934	5.5
17	MP3C	Z	41.456	5.5
18	MP3C	Mx	.024	5.5
19	MP3A	X	47.818	1
20	MP3A	Z	82.823	1
21	MP3A	Mx	-.065	1
22	MP3A	X	47.818	5.5
23	MP3A	Z	82.823	5.5
24	MP3A	Mx	-.065	5.5
25	MP3B	X	47.818	1
26	MP3B	Z	82.823	1
27	MP3B	Mx	.018	1
28	MP3B	X	47.818	5.5
29	MP3B	Z	82.823	5.5
30	MP3B	Mx	.018	5.5
31	MP3C	X	23.934	1
32	MP3C	Z	41.456	1
33	MP3C	Mx	.024	1
34	MP3C	X	23.934	5.5
35	MP3C	Z	41.456	5.5
36	MP3C	Mx	.024	5.5
37	MP3A	X	29.225	1.5
38	MP3A	Z	50.619	1.5
39	MP3A	Mx	.015	1.5
40	MP3B	X	29.225	1.5
41	MP3B	Z	50.619	1.5
42	MP3B	Mx	.015	1.5
43	MP3C	X	21.366	1.5
44	MP3C	Z	37.008	1.5
45	MP3C	Mx	-.021	1.5
46	MP3A	X	28.147	4
47	MP3A	Z	48.753	4
48	MP3A	Mx	.014	4
49	MP3B	X	28.147	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
50	MP3B	Z	48.753	4
51	MP3B	Mx	.014	4
52	MP3C	X	17.4	4
53	MP3C	Z	30.138	4
54	MP3C	Mx	-.017	4
55	M111	X	71.027	1.5
56	M111	Z	123.022	1.5
57	M111	Mx	0	1.5
58	M318	X	71.027	1.5
59	M318	Z	123.022	1.5
60	M318	Mx	0	1.5
61	MP5A	X	68.752	.5
62	MP5A	Z	119.081	.5
63	MP5A	Mx	-.034	.5
64	MP5A	X	68.752	5.5
65	MP5A	Z	119.081	5.5
66	MP5A	Mx	-.034	5.5
67	MP5B	X	68.752	.5
68	MP5B	Z	119.081	.5
69	MP5B	Mx	-.034	.5
70	MP5B	X	68.752	5.5
71	MP5B	Z	119.081	5.5
72	MP5B	Mx	-.034	5.5
73	MP5C	X	42.56	.5
74	MP5C	Z	73.716	.5
75	MP5C	Mx	.043	.5
76	MP5C	X	42.56	5.5
77	MP5C	Z	73.716	5.5
78	MP5C	Mx	.043	5.5
79	MP1A	X	33.547	2.5
80	MP1A	Z	58.104	2.5
81	MP1A	Mx	-.017	2.5
82	MP1A	X	33.547	3.5
83	MP1A	Z	58.104	3.5
84	MP1A	Mx	-.017	3.5
85	MP1B	X	33.547	2.5
86	MP1B	Z	58.104	2.5
87	MP1B	Mx	-.017	2.5
88	MP1B	X	33.547	3.5
89	MP1B	Z	58.104	3.5
90	MP1B	Mx	-.017	3.5
91	MP1C	X	13.818	2.5
92	MP1C	Z	23.933	2.5
93	MP1C	Mx	.014	2.5
94	MP1C	X	13.818	3.5
95	MP1C	Z	23.933	3.5
96	MP1C	Mx	.014	3.5
97	M110A	X	16.229	5.75
98	M110A	Z	28.11	5.75
99	M110A	Mx	-.004	5.75
100	M110A	X	16.229	5.75
101	M110A	Z	28.11	5.75
102	M110A	Mx	.004	5.75
103	M136A	X	16.229	5.75
104	M136A	Z	28.11	5.75
105	M136A	Mx	-.004	5.75
106	M136A	X	16.229	5.75
107	M136A	Z	28.11	5.75
108	M136A	Mx	.004	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	0	1
2	MP3A	Z	111.557	1
3	MP3A	Mx	.056	1
4	MP3A	X	0	5.5
5	MP3A	Z	111.557	5.5
6	MP3A	Mx	.056	5.5
7	MP3B	X	0	1
8	MP3B	Z	63.791	1
9	MP3B	Mx	-.044	1
10	MP3B	X	0	5.5
11	MP3B	Z	63.791	5.5
12	MP3B	Mx	-.044	5.5
13	MP3C	X	0	1
14	MP3C	Z	63.791	1
15	MP3C	Mx	.012	1
16	MP3C	X	0	5.5
17	MP3C	Z	63.791	5.5
18	MP3C	Mx	.012	5.5
19	MP3A	X	0	1
20	MP3A	Z	111.557	1
21	MP3A	Mx	-.056	1
22	MP3A	X	0	5.5
23	MP3A	Z	111.557	5.5
24	MP3A	Mx	-.056	5.5
25	MP3B	X	0	1
26	MP3B	Z	63.791	1
27	MP3B	Mx	-.012	1
28	MP3B	X	0	5.5
29	MP3B	Z	63.791	5.5
30	MP3B	Mx	-.012	5.5
31	MP3C	X	0	1
32	MP3C	Z	63.791	1
33	MP3C	Mx	.044	1
34	MP3C	X	0	5.5
35	MP3C	Z	63.791	5.5
36	MP3C	Mx	.044	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	63.688	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	47.972	1.5
42	MP3B	Mx	.021	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	47.972	1.5
45	MP3C	Mx	-.021	1.5
46	MP3A	X	0	4
47	MP3A	Z	63.46	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4
50	MP3B	Z	41.965	4
51	MP3B	Mx	.018	4
52	MP3C	X	0	4
53	MP3C	Z	41.965	4
54	MP3C	Mx	-.018	4
55	M111	X	0	1.5
56	M111	Z	155.169	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	155.169	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	154.964	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	154.964	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	102.581	.5
69	MP5B	Mx	-.044	.5
70	MP5B	X	0	5.5
71	MP5B	Z	102.581	5.5
72	MP5B	Mx	-.044	5.5
73	MP5C	X	0	.5
74	MP5C	Z	102.581	.5
75	MP5C	Mx	.044	.5
76	MP5C	X	0	5.5
77	MP5C	Z	102.581	5.5
78	MP5C	Mx	.044	5.5
79	MP1A	X	0	2.5
80	MP1A	Z	80.246	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	80.246	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	40.788	2.5
87	MP1B	Mx	-.018	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	40.788	3.5
90	MP1B	Mx	-.018	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	40.788	2.5
93	MP1C	Mx	.018	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	40.788	3.5
96	MP1C	Mx	.018	3.5
97	M110A	X	0	5.75
98	M110A	Z	39.304	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	39.304	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	18.767	5.75
105	M136A	Mx	-.004	5.75
106	M136A	X	0	5.75
107	M136A	Z	18.767	5.75
108	M136A	Mx	.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-47.818	1
2	MP3A	Z	82.823	1
3	MP3A	Mx	.065	1
4	MP3A	X	-47.818	5.5
5	MP3A	Z	82.823	5.5
6	MP3A	Mx	.065	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
7	MP3B	X	-23.934	1
8	MP3B	Z	41.456	1
9	MP3B	Mx	-.024	1
10	MP3B	X	-23.934	5.5
11	MP3B	Z	41.456	5.5
12	MP3B	Mx	-.024	5.5
13	MP3C	X	-47.818	1
14	MP3C	Z	82.823	1
15	MP3C	Mx	-.018	1
16	MP3C	X	-47.818	5.5
17	MP3C	Z	82.823	5.5
18	MP3C	Mx	-.018	5.5
19	MP3A	X	-47.818	1
20	MP3A	Z	82.823	1
21	MP3A	Mx	-.018	1
22	MP3A	X	-47.818	5.5
23	MP3A	Z	82.823	5.5
24	MP3A	Mx	-.018	5.5
25	MP3B	X	-23.934	1
26	MP3B	Z	41.456	1
27	MP3B	Mx	-.024	1
28	MP3B	X	-23.934	5.5
29	MP3B	Z	41.456	5.5
30	MP3B	Mx	-.024	5.5
31	MP3C	X	-47.818	1
32	MP3C	Z	82.823	1
33	MP3C	Mx	.065	1
34	MP3C	X	-47.818	5.5
35	MP3C	Z	82.823	5.5
36	MP3C	Mx	.065	5.5
37	MP3A	X	-29.225	1.5
38	MP3A	Z	50.619	1.5
39	MP3A	Mx	-.015	1.5
40	MP3B	X	-21.366	1.5
41	MP3B	Z	37.008	1.5
42	MP3B	Mx	.021	1.5
43	MP3C	X	-29.225	1.5
44	MP3C	Z	50.619	1.5
45	MP3C	Mx	-.015	1.5
46	MP3A	X	-28.147	4
47	MP3A	Z	48.753	4
48	MP3A	Mx	-.014	4
49	MP3B	X	-17.4	4
50	MP3B	Z	30.138	4
51	MP3B	Mx	.017	4
52	MP3C	X	-28.147	4
53	MP3C	Z	48.753	4
54	MP3C	Mx	-.014	4
55	M111	X	-71.027	1.5
56	M111	Z	123.022	1.5
57	M111	Mx	0	1.5
58	M318	X	-71.027	1.5
59	M318	Z	123.022	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-68.752	.5
62	MP5A	Z	119.081	.5
63	MP5A	Mx	.034	.5
64	MP5A	X	-68.752	5.5
65	MP5A	Z	119.081	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP5A	Mx	.034	5.5
67	MP5B	X	-42.56	.5
68	MP5B	Z	73.716	.5
69	MP5B	Mx	-.043	.5
70	MP5B	X	-42.56	5.5
71	MP5B	Z	73.716	5.5
72	MP5B	Mx	-.043	5.5
73	MP5C	X	-68.752	.5
74	MP5C	Z	119.081	.5
75	MP5C	Mx	.034	.5
76	MP5C	X	-68.752	5.5
77	MP5C	Z	119.081	5.5
78	MP5C	Mx	.034	5.5
79	MP1A	X	-33.547	2.5
80	MP1A	Z	58.104	2.5
81	MP1A	Mx	.017	2.5
82	MP1A	X	-33.547	3.5
83	MP1A	Z	58.104	3.5
84	MP1A	Mx	.017	3.5
85	MP1B	X	-13.818	2.5
86	MP1B	Z	23.933	2.5
87	MP1B	Mx	-.014	2.5
88	MP1B	X	-13.818	3.5
89	MP1B	Z	23.933	3.5
90	MP1B	Mx	-.014	3.5
91	MP1C	X	-33.547	2.5
92	MP1C	Z	58.104	2.5
93	MP1C	Mx	.017	2.5
94	MP1C	X	-33.547	3.5
95	MP1C	Z	58.104	3.5
96	MP1C	Mx	.017	3.5
97	M110A	X	-16.229	5.75
98	M110A	Z	28.11	5.75
99	M110A	Mx	.004	5.75
100	M110A	X	-16.229	5.75
101	M110A	Z	28.11	5.75
102	M110A	Mx	-.004	5.75
103	M136A	X	-5.961	5.75
104	M136A	Z	10.324	5.75
105	M136A	Mx	-.003	5.75
106	M136A	X	-5.961	5.75
107	M136A	Z	10.324	5.75
108	M136A	Mx	.003	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-55.245	1
2	MP3A	Z	31.896	1
3	MP3A	Mx	.044	1
4	MP3A	X	-55.245	5.5
5	MP3A	Z	31.896	5.5
6	MP3A	Mx	.044	5.5
7	MP3B	X	-55.245	1
8	MP3B	Z	31.896	1
9	MP3B	Mx	-.012	1
10	MP3B	X	-55.245	5.5
11	MP3B	Z	31.896	5.5
12	MP3B	Mx	-.012	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP3C	X	-96.611	1
14	MP3C	Z	55.779	1
15	MP3C	Mx	-.056	1
16	MP3C	X	-96.611	5.5
17	MP3C	Z	55.779	5.5
18	MP3C	Mx	-.056	5.5
19	MP3A	X	-55.245	1
20	MP3A	Z	31.896	1
21	MP3A	Mx	.012	1
22	MP3A	X	-55.245	5.5
23	MP3A	Z	31.896	5.5
24	MP3A	Mx	.012	5.5
25	MP3B	X	-55.245	1
26	MP3B	Z	31.896	1
27	MP3B	Mx	-.044	1
28	MP3B	X	-55.245	5.5
29	MP3B	Z	31.896	5.5
30	MP3B	Mx	-.044	5.5
31	MP3C	X	-96.611	1
32	MP3C	Z	55.779	1
33	MP3C	Mx	.056	1
34	MP3C	X	-96.611	5.5
35	MP3C	Z	55.779	5.5
36	MP3C	Mx	.056	5.5
37	MP3A	X	-41.545	1.5
38	MP3A	Z	23.986	1.5
39	MP3A	Mx	-.021	1.5
40	MP3B	X	-41.545	1.5
41	MP3B	Z	23.986	1.5
42	MP3B	Mx	.021	1.5
43	MP3C	X	-55.156	1.5
44	MP3C	Z	31.844	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	-36.343	4
47	MP3A	Z	20.983	4
48	MP3A	Mx	-.018	4
49	MP3B	X	-36.343	4
50	MP3B	Z	20.983	4
51	MP3B	Mx	.018	4
52	MP3C	X	-54.958	4
53	MP3C	Z	31.73	4
54	MP3C	Mx	0	4
55	M111	X	-100.307	1.5
56	M111	Z	57.912	1.5
57	M111	Mx	0	1.5
58	M318	X	-100.307	1.5
59	M318	Z	57.912	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-88.838	.5
62	MP5A	Z	51.29	.5
63	MP5A	Mx	.044	.5
64	MP5A	X	-88.838	5.5
65	MP5A	Z	51.29	5.5
66	MP5A	Mx	.044	5.5
67	MP5B	X	-88.838	.5
68	MP5B	Z	51.29	.5
69	MP5B	Mx	-.044	.5
70	MP5B	X	-88.838	5.5
71	MP5B	Z	51.29	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP5B	Mx	-.044	5.5
73	MP5C	X	-134.203	.5
74	MP5C	Z	77.482	.5
75	MP5C	Mx	0	.5
76	MP5C	X	-134.203	5.5
77	MP5C	Z	77.482	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	-35.324	2.5
80	MP1A	Z	20.394	2.5
81	MP1A	Mx	.018	2.5
82	MP1A	X	-35.324	3.5
83	MP1A	Z	20.394	3.5
84	MP1A	Mx	.018	3.5
85	MP1B	X	-35.324	2.5
86	MP1B	Z	20.394	2.5
87	MP1B	Mx	-.018	2.5
88	MP1B	X	-35.324	3.5
89	MP1B	Z	20.394	3.5
90	MP1B	Mx	-.018	3.5
91	MP1C	X	-69.495	2.5
92	MP1C	Z	40.123	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	-69.495	3.5
95	MP1C	Z	40.123	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	-16.253	5.75
98	M110A	Z	9.383	5.75
99	M110A	Mx	.004	5.75
100	M110A	X	-16.253	5.75
101	M110A	Z	9.383	5.75
102	M110A	Mx	-.004	5.75
103	M136A	X	-16.253	5.75
104	M136A	Z	9.383	5.75
105	M136A	Mx	-.004	5.75
106	M136A	X	-16.253	5.75
107	M136A	Z	9.383	5.75
108	M136A	Mx	.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-47.869	1
2	MP3A	Z	0	1
3	MP3A	Mx	.024	1
4	MP3A	X	-47.869	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.024	5.5
7	MP3B	X	-95.635	1
8	MP3B	Z	0	1
9	MP3B	Mx	.018	1
10	MP3B	X	-95.635	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.018	5.5
13	MP3C	X	-95.635	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.065	1
16	MP3C	X	-95.635	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.065	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP3A	X	-47.869	1
20	MP3A	Z	0	1
21	MP3A	Mx	.024	1
22	MP3A	X	-47.869	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.024	5.5
25	MP3B	X	-95.635	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.065	1
28	MP3B	X	-95.635	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.065	5.5
31	MP3C	X	-95.635	1
32	MP3C	Z	0	1
33	MP3C	Mx	.018	1
34	MP3C	X	-95.635	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.018	5.5
37	MP3A	X	-42.733	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.021	1.5
40	MP3B	X	-58.449	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	.015	1.5
43	MP3C	X	-58.449	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	.015	1.5
46	MP3A	X	-34.8	4
47	MP3A	Z	0	4
48	MP3A	Mx	-.017	4
49	MP3B	X	-56.295	4
50	MP3B	Z	0	4
51	MP3B	Mx	.014	4
52	MP3C	X	-56.295	4
53	MP3C	Z	0	4
54	MP3C	Mx	.014	4
55	M111	X	-102.71	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	-102.71	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-85.12	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	.043	.5
64	MP5A	X	-85.12	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	.043	5.5
67	MP5B	X	-137.503	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	-.034	.5
70	MP5B	X	-137.503	5.5
71	MP5B	Z	0	5.5
72	MP5B	Mx	-.034	5.5
73	MP5C	X	-137.503	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	-.034	.5
76	MP5C	X	-137.503	5.5
77	MP5C	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
78	MP5C	Mx	-.034	5.5
79	MP1A	X	-27.636	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	.014	2.5
82	MP1A	X	-27.636	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	.014	3.5
85	MP1B	X	-67.093	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	-.017	2.5
88	MP1B	X	-67.093	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	-.017	3.5
91	MP1C	X	-67.093	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	-.017	2.5
94	MP1C	X	-67.093	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	-.017	3.5
97	M110A	X	-11.921	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	.003	5.75
100	M110A	X	-11.921	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	-.003	5.75
103	M136A	X	-32.458	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	-.004	5.75
106	M136A	X	-32.458	5.75
107	M136A	Z	0	5.75
108	M136A	Mx	.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-55.245	1
2	MP3A	Z	-31.896	1
3	MP3A	Mx	.012	1
4	MP3A	X	-55.245	5.5
5	MP3A	Z	-31.896	5.5
6	MP3A	Mx	.012	5.5
7	MP3B	X	-96.611	1
8	MP3B	Z	-55.779	1
9	MP3B	Mx	.056	1
10	MP3B	X	-96.611	5.5
11	MP3B	Z	-55.779	5.5
12	MP3B	Mx	.056	5.5
13	MP3C	X	-55.245	1
14	MP3C	Z	-31.896	1
15	MP3C	Mx	-.044	1
16	MP3C	X	-55.245	5.5
17	MP3C	Z	-31.896	5.5
18	MP3C	Mx	-.044	5.5
19	MP3A	X	-55.245	1
20	MP3A	Z	-31.896	1
21	MP3A	Mx	.044	1
22	MP3A	X	-55.245	5.5
23	MP3A	Z	-31.896	5.5
24	MP3A	Mx	.044	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP3B	X	-96.611	1
26	MP3B	Z	-55.779	1
27	MP3B	Mx	-.056	1
28	MP3B	X	-96.611	5.5
29	MP3B	Z	-55.779	5.5
30	MP3B	Mx	-.056	5.5
31	MP3C	X	-55.245	1
32	MP3C	Z	-31.896	1
33	MP3C	Mx	-.012	1
34	MP3C	X	-55.245	5.5
35	MP3C	Z	-31.896	5.5
36	MP3C	Mx	-.012	5.5
37	MP3A	X	-41.545	1.5
38	MP3A	Z	-23.986	1.5
39	MP3A	Mx	-.021	1.5
40	MP3B	X	-55.156	1.5
41	MP3B	Z	-31.844	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	-41.545	1.5
44	MP3C	Z	-23.986	1.5
45	MP3C	Mx	.021	1.5
46	MP3A	X	-36.343	4
47	MP3A	Z	-20.983	4
48	MP3A	Mx	-.018	4
49	MP3B	X	-54.958	4
50	MP3B	Z	-31.73	4
51	MP3B	Mx	0	4
52	MP3C	X	-36.343	4
53	MP3C	Z	-20.983	4
54	MP3C	Mx	.018	4
55	M111	X	-100.307	1.5
56	M111	Z	-57.912	1.5
57	M111	Mx	0	1.5
58	M318	X	-100.307	1.5
59	M318	Z	-57.912	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-88.838	.5
62	MP5A	Z	-51.29	.5
63	MP5A	Mx	.044	.5
64	MP5A	X	-88.838	5.5
65	MP5A	Z	-51.29	5.5
66	MP5A	Mx	.044	5.5
67	MP5B	X	-134.203	.5
68	MP5B	Z	-77.482	.5
69	MP5B	Mx	0	.5
70	MP5B	X	-134.203	5.5
71	MP5B	Z	-77.482	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	-88.838	.5
74	MP5C	Z	-51.29	.5
75	MP5C	Mx	-.044	.5
76	MP5C	X	-88.838	5.5
77	MP5C	Z	-51.29	5.5
78	MP5C	Mx	-.044	5.5
79	MP1A	X	-35.324	2.5
80	MP1A	Z	-20.394	2.5
81	MP1A	Mx	.018	2.5
82	MP1A	X	-35.324	3.5
83	MP1A	Z	-20.394	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP1A	Mx	.018	3.5
85	MP1B	X	-69.495	2.5
86	MP1B	Z	-40.123	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	-69.495	3.5
89	MP1B	Z	-40.123	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	-35.324	2.5
92	MP1C	Z	-20.394	2.5
93	MP1C	Mx	-.018	2.5
94	MP1C	X	-35.324	3.5
95	MP1C	Z	-20.394	3.5
96	MP1C	Mx	-.018	3.5
97	M110A	X	-16.253	5.75
98	M110A	Z	-9.383	5.75
99	M110A	Mx	.004	5.75
100	M110A	X	-16.253	5.75
101	M110A	Z	-9.383	5.75
102	M110A	Mx	-.004	5.75
103	M136A	X	-34.038	5.75
104	M136A	Z	-19.652	5.75
105	M136A	Mx	0	5.75
106	M136A	X	-34.038	5.75
107	M136A	Z	-19.652	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-47.818	1
2	MP3A	Z	-82.823	1
3	MP3A	Mx	-.018	1
4	MP3A	X	-47.818	5.5
5	MP3A	Z	-82.823	5.5
6	MP3A	Mx	-.018	5.5
7	MP3B	X	-47.818	1
8	MP3B	Z	-82.823	1
9	MP3B	Mx	.065	1
10	MP3B	X	-47.818	5.5
11	MP3B	Z	-82.823	5.5
12	MP3B	Mx	.065	5.5
13	MP3C	X	-23.934	1
14	MP3C	Z	-41.456	1
15	MP3C	Mx	-.024	1
16	MP3C	X	-23.934	5.5
17	MP3C	Z	-41.456	5.5
18	MP3C	Mx	-.024	5.5
19	MP3A	X	-47.818	1
20	MP3A	Z	-82.823	1
21	MP3A	Mx	.065	1
22	MP3A	X	-47.818	5.5
23	MP3A	Z	-82.823	5.5
24	MP3A	Mx	.065	5.5
25	MP3B	X	-47.818	1
26	MP3B	Z	-82.823	1
27	MP3B	Mx	-.018	1
28	MP3B	X	-47.818	5.5
29	MP3B	Z	-82.823	5.5
30	MP3B	Mx	-.018	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
31	MP3C	X	-23.934	1
32	MP3C	Z	-41.456	1
33	MP3C	Mx	-.024	1
34	MP3C	X	-23.934	5.5
35	MP3C	Z	-41.456	5.5
36	MP3C	Mx	-.024	5.5
37	MP3A	X	-29.225	1.5
38	MP3A	Z	-50.619	1.5
39	MP3A	Mx	-.015	1.5
40	MP3B	X	-29.225	1.5
41	MP3B	Z	-50.619	1.5
42	MP3B	Mx	-.015	1.5
43	MP3C	X	-21.366	1.5
44	MP3C	Z	-37.008	1.5
45	MP3C	Mx	.021	1.5
46	MP3A	X	-28.147	4
47	MP3A	Z	-48.753	4
48	MP3A	Mx	-.014	4
49	MP3B	X	-28.147	4
50	MP3B	Z	-48.753	4
51	MP3B	Mx	-.014	4
52	MP3C	X	-17.4	4
53	MP3C	Z	-30.138	4
54	MP3C	Mx	.017	4
55	M111	X	-71.027	1.5
56	M111	Z	-123.022	1.5
57	M111	Mx	0	1.5
58	M318	X	-71.027	1.5
59	M318	Z	-123.022	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-68.752	.5
62	MP5A	Z	-119.081	.5
63	MP5A	Mx	.034	.5
64	MP5A	X	-68.752	5.5
65	MP5A	Z	-119.081	5.5
66	MP5A	Mx	.034	5.5
67	MP5B	X	-68.752	.5
68	MP5B	Z	-119.081	.5
69	MP5B	Mx	.034	.5
70	MP5B	X	-68.752	5.5
71	MP5B	Z	-119.081	5.5
72	MP5B	Mx	.034	5.5
73	MP5C	X	-42.56	.5
74	MP5C	Z	-73.716	.5
75	MP5C	Mx	-.043	.5
76	MP5C	X	-42.56	5.5
77	MP5C	Z	-73.716	5.5
78	MP5C	Mx	-.043	5.5
79	MP1A	X	-33.547	2.5
80	MP1A	Z	-58.104	2.5
81	MP1A	Mx	.017	2.5
82	MP1A	X	-33.547	3.5
83	MP1A	Z	-58.104	3.5
84	MP1A	Mx	.017	3.5
85	MP1B	X	-33.547	2.5
86	MP1B	Z	-58.104	2.5
87	MP1B	Mx	.017	2.5
88	MP1B	X	-33.547	3.5
89	MP1B	Z	-58.104	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1B	Mx	.017	3.5
91	MP1C	X	-13.818	2.5
92	MP1C	Z	-23.933	2.5
93	MP1C	Mx	-.014	2.5
94	MP1C	X	-13.818	3.5
95	MP1C	Z	-23.933	3.5
96	MP1C	Mx	-.014	3.5
97	M110A	X	-16.229	5.75
98	M110A	Z	-28.11	5.75
99	M110A	Mx	.004	5.75
100	M110A	X	-16.229	5.75
101	M110A	Z	-28.11	5.75
102	M110A	Mx	-.004	5.75
103	M136A	X	-16.229	5.75
104	M136A	Z	-28.11	5.75
105	M136A	Mx	.004	5.75
106	M136A	X	-16.229	5.75
107	M136A	Z	-28.11	5.75
108	M136A	Mx	-.004	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1
2	MP3A	Z	-31.742	1
3	MP3A	Mx	-.016	1
4	MP3A	X	0	5.5
5	MP3A	Z	-31.742	5.5
6	MP3A	Mx	-.016	5.5
7	MP3B	X	0	1
8	MP3B	Z	-24.341	1
9	MP3B	Mx	.017	1
10	MP3B	X	0	5.5
11	MP3B	Z	-24.341	5.5
12	MP3B	Mx	.017	5.5
13	MP3C	X	0	1
14	MP3C	Z	-24.341	1
15	MP3C	Mx	-.004	1
16	MP3C	X	0	5.5
17	MP3C	Z	-24.341	5.5
18	MP3C	Mx	-.004	5.5
19	MP3A	X	0	1
20	MP3A	Z	-31.742	1
21	MP3A	Mx	.016	1
22	MP3A	X	0	5.5
23	MP3A	Z	-31.742	5.5
24	MP3A	Mx	.016	5.5
25	MP3B	X	0	1
26	MP3B	Z	-24.341	1
27	MP3B	Mx	.004	1
28	MP3B	X	0	5.5
29	MP3B	Z	-24.341	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	0	1
32	MP3C	Z	-24.341	1
33	MP3C	Mx	-.017	1
34	MP3C	X	0	5.5
35	MP3C	Z	-24.341	5.5
36	MP3C	Mx	-.017	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP3A	X	0	1.5
38	MP3A	Z	-15.918	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	-12.278	1.5
42	MP3B	Mx	-.005	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	-12.278	1.5
45	MP3C	Mx	.005	1.5
46	MP3A	X	0	4
47	MP3A	Z	-15.856	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4
50	MP3B	Z	-10.852	4
51	MP3B	Mx	-.005	4
52	MP3C	X	0	4
53	MP3C	Z	-10.852	4
54	MP3C	Mx	.005	4
55	M111	X	0	1.5
56	M111	Z	-30.548	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	-30.548	1.5
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	-29.734	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	-29.734	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	-20.482	.5
69	MP5B	Mx	.009	.5
70	MP5B	X	0	5.5
71	MP5B	Z	-20.482	5.5
72	MP5B	Mx	.009	5.5
73	MP5C	X	0	.5
74	MP5C	Z	-20.482	.5
75	MP5C	Mx	-.009	.5
76	MP5C	X	0	5.5
77	MP5C	Z	-20.482	5.5
78	MP5C	Mx	-.009	5.5
79	MP1A	X	0	2.5
80	MP1A	Z	-18.831	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	-18.831	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	-10.715	2.5
87	MP1B	Mx	.005	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	-10.715	3.5
90	MP1B	Mx	.005	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	-10.715	2.5
93	MP1C	Mx	-.005	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	-10.715	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP1C	Mx	-0.005	3.5
97	M110A	X	0	5.75
98	M110A	Z	-8.706	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	-8.706	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	-4.628	5.75
105	M136A	Mx	.001	5.75
106	M136A	X	0	5.75
107	M136A	Z	-4.628	5.75
108	M136A	Mx	-.001	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	14.637	1
2	MP3A	Z	-25.353	1
3	MP3A	Mx	-.02	1
4	MP3A	X	14.637	5.5
5	MP3A	Z	-25.353	5.5
6	MP3A	Mx	-.02	5.5
7	MP3B	X	10.937	1
8	MP3B	Z	-18.944	1
9	MP3B	Mx	.011	1
10	MP3B	X	10.937	5.5
11	MP3B	Z	-18.944	5.5
12	MP3B	Mx	.011	5.5
13	MP3C	X	14.637	1
14	MP3C	Z	-25.353	1
15	MP3C	Mx	.005	1
16	MP3C	X	14.637	5.5
17	MP3C	Z	-25.353	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	14.637	1
20	MP3A	Z	-25.353	1
21	MP3A	Mx	.005	1
22	MP3A	X	14.637	5.5
23	MP3A	Z	-25.353	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	10.937	1
26	MP3B	Z	-18.944	1
27	MP3B	Mx	.011	1
28	MP3B	X	10.937	5.5
29	MP3B	Z	-18.944	5.5
30	MP3B	Mx	.011	5.5
31	MP3C	X	14.637	1
32	MP3C	Z	-25.353	1
33	MP3C	Mx	-.02	1
34	MP3C	X	14.637	5.5
35	MP3C	Z	-25.353	5.5
36	MP3C	Mx	-.02	5.5
37	MP3A	X	7.352	1.5
38	MP3A	Z	-12.735	1.5
39	MP3A	Mx	.004	1.5
40	MP3B	X	5.533	1.5
41	MP3B	Z	-9.583	1.5
42	MP3B	Mx	-.006	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP3C	X	7.352	1.5
44	MP3C	Z	-12.735	1.5
45	MP3C	Mx	.004	1.5
46	MP3A	X	7.094	4
47	MP3A	Z	-12.287	4
48	MP3A	Mx	.004	4
49	MP3B	X	4.592	4
50	MP3B	Z	-7.954	4
51	MP3B	Mx	-.005	4
52	MP3C	X	7.094	4
53	MP3C	Z	-12.287	4
54	MP3C	Mx	.004	4
55	M111	X	14.066	1.5
56	M111	Z	-24.363	1.5
57	M111	Mx	0	1.5
58	M318	X	14.066	1.5
59	M318	Z	-24.363	1.5
60	M318	Mx	0	1.5
61	MP5A	X	13.325	.5
62	MP5A	Z	-23.08	.5
63	MP5A	Mx	-.007	.5
64	MP5A	X	13.325	5.5
65	MP5A	Z	-23.08	5.5
66	MP5A	Mx	-.007	5.5
67	MP5B	X	8.699	.5
68	MP5B	Z	-15.068	.5
69	MP5B	Mx	.009	.5
70	MP5B	X	8.699	5.5
71	MP5B	Z	-15.068	5.5
72	MP5B	Mx	.009	5.5
73	MP5C	X	13.325	.5
74	MP5C	Z	-23.08	.5
75	MP5C	Mx	-.007	.5
76	MP5C	X	13.325	5.5
77	MP5C	Z	-23.08	5.5
78	MP5C	Mx	-.007	5.5
79	MP1A	X	8.063	2.5
80	MP1A	Z	-13.965	2.5
81	MP1A	Mx	-.004	2.5
82	MP1A	X	8.063	3.5
83	MP1A	Z	-13.965	3.5
84	MP1A	Mx	-.004	3.5
85	MP1B	X	4.005	2.5
86	MP1B	Z	-6.936	2.5
87	MP1B	Mx	.004	2.5
88	MP1B	X	4.005	3.5
89	MP1B	Z	-6.936	3.5
90	MP1B	Mx	.004	3.5
91	MP1C	X	8.063	2.5
92	MP1C	Z	-13.965	2.5
93	MP1C	Mx	-.004	2.5
94	MP1C	X	8.063	3.5
95	MP1C	Z	-13.965	3.5
96	MP1C	Mx	-.004	3.5
97	M110A	X	3.673	5.75
98	M110A	Z	-6.362	5.75
99	M110A	Mx	-.000918	5.75
100	M110A	X	3.673	5.75
101	M110A	Z	-6.362	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
102	M110A	Mx	.000918	5.75
103	M136A	X	1.634	5.75
104	M136A	Z	-2.83	5.75
105	M136A	Mx	.000817	5.75
106	M136A	X	1.634	5.75
107	M136A	Z	-2.83	5.75
108	M136A	Mx	-.000817	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	21.08	1
2	MP3A	Z	-12.171	1
3	MP3A	Mx	-.017	1
4	MP3A	X	21.08	5.5
5	MP3A	Z	-12.171	5.5
6	MP3A	Mx	-.017	5.5
7	MP3B	X	21.08	1
8	MP3B	Z	-12.171	1
9	MP3B	Mx	.004	1
10	MP3B	X	21.08	5.5
11	MP3B	Z	-12.171	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	27.489	1
14	MP3C	Z	-15.871	1
15	MP3C	Mx	.016	1
16	MP3C	X	27.489	5.5
17	MP3C	Z	-15.871	5.5
18	MP3C	Mx	.016	5.5
19	MP3A	X	21.08	1
20	MP3A	Z	-12.171	1
21	MP3A	Mx	-.004	1
22	MP3A	X	21.08	5.5
23	MP3A	Z	-12.171	5.5
24	MP3A	Mx	-.004	5.5
25	MP3B	X	21.08	1
26	MP3B	Z	-12.171	1
27	MP3B	Mx	.017	1
28	MP3B	X	21.08	5.5
29	MP3B	Z	-12.171	5.5
30	MP3B	Mx	.017	5.5
31	MP3C	X	27.489	1
32	MP3C	Z	-15.871	1
33	MP3C	Mx	-.016	1
34	MP3C	X	27.489	5.5
35	MP3C	Z	-15.871	5.5
36	MP3C	Mx	-.016	5.5
37	MP3A	X	10.633	1.5
38	MP3A	Z	-6.139	1.5
39	MP3A	Mx	.005	1.5
40	MP3B	X	10.633	1.5
41	MP3B	Z	-6.139	1.5
42	MP3B	Mx	-.005	1.5
43	MP3C	X	13.785	1.5
44	MP3C	Z	-7.959	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	9.399	4
47	MP3A	Z	-5.426	4
48	MP3A	Mx	.005	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP3B	X	9.399	4
50	MP3B	Z	-5.426	4
51	MP3B	Mx	-0.005	4
52	MP3C	X	13.732	4
53	MP3C	Z	-7.928	4
54	MP3C	Mx	0	4
55	M111	X	20.177	1.5
56	M111	Z	-11.649	1.5
57	M111	Mx	0	1.5
58	M318	X	20.177	1.5
59	M318	Z	-11.649	1.5
60	M318	Mx	0	1.5
61	MP5A	X	17.738	.5
62	MP5A	Z	-10.241	.5
63	MP5A	Mx	-0.009	.5
64	MP5A	X	17.738	5.5
65	MP5A	Z	-10.241	5.5
66	MP5A	Mx	-0.009	5.5
67	MP5B	X	17.738	.5
68	MP5B	Z	-10.241	.5
69	MP5B	Mx	.009	.5
70	MP5B	X	17.738	5.5
71	MP5B	Z	-10.241	5.5
72	MP5B	Mx	.009	5.5
73	MP5C	X	25.75	.5
74	MP5C	Z	-14.867	.5
75	MP5C	Mx	0	.5
76	MP5C	X	25.75	5.5
77	MP5C	Z	-14.867	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	9.279	2.5
80	MP1A	Z	-5.357	2.5
81	MP1A	Mx	-0.005	2.5
82	MP1A	X	9.279	3.5
83	MP1A	Z	-5.357	3.5
84	MP1A	Mx	-0.005	3.5
85	MP1B	X	9.279	2.5
86	MP1B	Z	-5.357	2.5
87	MP1B	Mx	.005	2.5
88	MP1B	X	9.279	3.5
89	MP1B	Z	-5.357	3.5
90	MP1B	Mx	.005	3.5
91	MP1C	X	16.308	2.5
92	MP1C	Z	-9.416	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	16.308	3.5
95	MP1C	Z	-9.416	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	4.008	5.75
98	M110A	Z	-2.314	5.75
99	M110A	Mx	-.001	5.75
100	M110A	X	4.008	5.75
101	M110A	Z	-2.314	5.75
102	M110A	Mx	.001	5.75
103	M136A	X	4.008	5.75
104	M136A	Z	-2.314	5.75
105	M136A	Mx	.001	5.75
106	M136A	X	4.008	5.75
107	M136A	Z	-2.314	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
108	M136A	Mx	-.001	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	21.874	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.011	1
4	MP3A	X	21.874	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.011	5.5
7	MP3B	X	29.275	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.005	1
10	MP3B	X	29.275	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	29.275	1
14	MP3C	Z	0	1
15	MP3C	Mx	.02	1
16	MP3C	X	29.275	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.02	5.5
19	MP3A	X	21.874	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.011	1
22	MP3A	X	21.874	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.011	5.5
25	MP3B	X	29.275	1
26	MP3B	Z	0	1
27	MP3B	Mx	.02	1
28	MP3B	X	29.275	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.02	5.5
31	MP3C	X	29.275	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.005	1
34	MP3C	X	29.275	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.005	5.5
37	MP3A	X	11.065	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.006	1.5
40	MP3B	X	14.705	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	-.004	1.5
43	MP3C	X	14.705	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	-.004	1.5
46	MP3A	X	9.185	4
47	MP3A	Z	0	4
48	MP3A	Mx	.005	4
49	MP3B	X	14.188	4
50	MP3B	Z	0	4
51	MP3B	Mx	-.004	4
52	MP3C	X	14.188	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.004	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
55	M111	X	20.881	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	20.881	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	17.399	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	-.009	.5
64	MP5A	X	17.399	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	-.009	5.5
67	MP5B	X	26.65	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	.007	.5
70	MP5B	X	26.65	5.5
71	MP5B	Z	0	5.5
72	MP5B	Mx	.007	5.5
73	MP5C	X	26.65	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	.007	.5
76	MP5C	X	26.65	5.5
77	MP5C	Z	0	5.5
78	MP5C	Mx	.007	5.5
79	MP1A	X	8.01	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	-.004	2.5
82	MP1A	X	8.01	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	-.004	3.5
85	MP1B	X	16.126	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	.004	2.5
88	MP1B	X	16.126	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	.004	3.5
91	MP1C	X	16.126	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	.004	2.5
94	MP1C	X	16.126	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	.004	3.5
97	M110A	X	3.268	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	-.000817	5.75
100	M110A	X	3.268	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	.000817	5.75
103	M136A	X	7.347	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	.000918	5.75
106	M136A	X	7.347	5.75
107	M136A	Z	0	5.75
108	M136A	Mx	-.000918	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft. %)
1	MP3A	X	21.08	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	Z	12.171	1
3	MP3A	Mx	-.004	1
4	MP3A	X	21.08	5.5
5	MP3A	Z	12.171	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	27.489	1
8	MP3B	Z	15.871	1
9	MP3B	Mx	-.016	1
10	MP3B	X	27.489	5.5
11	MP3B	Z	15.871	5.5
12	MP3B	Mx	-.016	5.5
13	MP3C	X	21.08	1
14	MP3C	Z	12.171	1
15	MP3C	Mx	.017	1
16	MP3C	X	21.08	5.5
17	MP3C	Z	12.171	5.5
18	MP3C	Mx	.017	5.5
19	MP3A	X	21.08	1
20	MP3A	Z	12.171	1
21	MP3A	Mx	-.017	1
22	MP3A	X	21.08	5.5
23	MP3A	Z	12.171	5.5
24	MP3A	Mx	-.017	5.5
25	MP3B	X	27.489	1
26	MP3B	Z	15.871	1
27	MP3B	Mx	.016	1
28	MP3B	X	27.489	5.5
29	MP3B	Z	15.871	5.5
30	MP3B	Mx	.016	5.5
31	MP3C	X	21.08	1
32	MP3C	Z	12.171	1
33	MP3C	Mx	.004	1
34	MP3C	X	21.08	5.5
35	MP3C	Z	12.171	5.5
36	MP3C	Mx	.004	5.5
37	MP3A	X	10.633	1.5
38	MP3A	Z	6.139	1.5
39	MP3A	Mx	.005	1.5
40	MP3B	X	13.785	1.5
41	MP3B	Z	7.959	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	10.633	1.5
44	MP3C	Z	6.139	1.5
45	MP3C	Mx	-.005	1.5
46	MP3A	X	9.399	4
47	MP3A	Z	5.426	4
48	MP3A	Mx	.005	4
49	MP3B	X	13.732	4
50	MP3B	Z	7.928	4
51	MP3B	Mx	0	4
52	MP3C	X	9.399	4
53	MP3C	Z	5.426	4
54	MP3C	Mx	-.005	4
55	M111	X	20.177	1.5
56	M111	Z	11.649	1.5
57	M111	Mx	0	1.5
58	M318	X	20.177	1.5
59	M318	Z	11.649	1.5
60	M318	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP5A	X	17.738	.5
62	MP5A	Z	10.241	.5
63	MP5A	Mx	-.009	.5
64	MP5A	X	17.738	5.5
65	MP5A	Z	10.241	5.5
66	MP5A	Mx	-.009	5.5
67	MP5B	X	25.75	.5
68	MP5B	Z	14.867	.5
69	MP5B	Mx	0	.5
70	MP5B	X	25.75	5.5
71	MP5B	Z	14.867	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	17.738	.5
74	MP5C	Z	10.241	.5
75	MP5C	Mx	.009	.5
76	MP5C	X	17.738	5.5
77	MP5C	Z	10.241	5.5
78	MP5C	Mx	.009	5.5
79	MP1A	X	9.279	2.5
80	MP1A	Z	5.357	2.5
81	MP1A	Mx	-.005	2.5
82	MP1A	X	9.279	3.5
83	MP1A	Z	5.357	3.5
84	MP1A	Mx	-.005	3.5
85	MP1B	X	16.308	2.5
86	MP1B	Z	9.416	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	16.308	3.5
89	MP1B	Z	9.416	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	9.279	2.5
92	MP1C	Z	5.357	2.5
93	MP1C	Mx	.005	2.5
94	MP1C	X	9.279	3.5
95	MP1C	Z	5.357	3.5
96	MP1C	Mx	.005	3.5
97	M110A	X	4.008	5.75
98	M110A	Z	2.314	5.75
99	M110A	Mx	-.001	5.75
100	M110A	X	4.008	5.75
101	M110A	Z	2.314	5.75
102	M110A	Mx	.001	5.75
103	M136A	X	7.54	5.75
104	M136A	Z	4.353	5.75
105	M136A	Mx	0	5.75
106	M136A	X	7.54	5.75
107	M136A	Z	4.353	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	14.637	1
2	MP3A	Z	25.353	1
3	MP3A	Mx	.005	1
4	MP3A	X	14.637	5.5
5	MP3A	Z	25.353	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	14.637	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
8	MP3B	Z	25.353	1
9	MP3B	Mx	-.02	1
10	MP3B	X	14.637	5.5
11	MP3B	Z	25.353	5.5
12	MP3B	Mx	-.02	5.5
13	MP3C	X	10.937	1
14	MP3C	Z	18.944	1
15	MP3C	Mx	.011	1
16	MP3C	X	10.937	5.5
17	MP3C	Z	18.944	5.5
18	MP3C	Mx	.011	5.5
19	MP3A	X	14.637	1
20	MP3A	Z	25.353	1
21	MP3A	Mx	-.02	1
22	MP3A	X	14.637	5.5
23	MP3A	Z	25.353	5.5
24	MP3A	Mx	-.02	5.5
25	MP3B	X	14.637	1
26	MP3B	Z	25.353	1
27	MP3B	Mx	.005	1
28	MP3B	X	14.637	5.5
29	MP3B	Z	25.353	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	10.937	1
32	MP3C	Z	18.944	1
33	MP3C	Mx	.011	1
34	MP3C	X	10.937	5.5
35	MP3C	Z	18.944	5.5
36	MP3C	Mx	.011	5.5
37	MP3A	X	7.352	1.5
38	MP3A	Z	12.735	1.5
39	MP3A	Mx	.004	1.5
40	MP3B	X	7.352	1.5
41	MP3B	Z	12.735	1.5
42	MP3B	Mx	.004	1.5
43	MP3C	X	5.533	1.5
44	MP3C	Z	9.583	1.5
45	MP3C	Mx	-.006	1.5
46	MP3A	X	7.094	4
47	MP3A	Z	12.287	4
48	MP3A	Mx	.004	4
49	MP3B	X	7.094	4
50	MP3B	Z	12.287	4
51	MP3B	Mx	.004	4
52	MP3C	X	4.592	4
53	MP3C	Z	7.954	4
54	MP3C	Mx	-.005	4
55	M111	X	14.066	1.5
56	M111	Z	24.363	1.5
57	M111	Mx	0	1.5
58	M318	X	14.066	1.5
59	M318	Z	24.363	1.5
60	M318	Mx	0	1.5
61	MP5A	X	13.325	.5
62	MP5A	Z	23.08	.5
63	MP5A	Mx	-.007	.5
64	MP5A	X	13.325	5.5
65	MP5A	Z	23.08	5.5
66	MP5A	Mx	-.007	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
67	MP5B	X	13.325	.5
68	MP5B	Z	23.08	.5
69	MP5B	Mx	-.007	.5
70	MP5B	X	13.325	5.5
71	MP5B	Z	23.08	5.5
72	MP5B	Mx	-.007	5.5
73	MP5C	X	8.699	.5
74	MP5C	Z	15.068	.5
75	MP5C	Mx	.009	.5
76	MP5C	X	8.699	5.5
77	MP5C	Z	15.068	5.5
78	MP5C	Mx	.009	5.5
79	MP1A	X	8.063	2.5
80	MP1A	Z	13.965	2.5
81	MP1A	Mx	-.004	2.5
82	MP1A	X	8.063	3.5
83	MP1A	Z	13.965	3.5
84	MP1A	Mx	-.004	3.5
85	MP1B	X	8.063	2.5
86	MP1B	Z	13.965	2.5
87	MP1B	Mx	-.004	2.5
88	MP1B	X	8.063	3.5
89	MP1B	Z	13.965	3.5
90	MP1B	Mx	-.004	3.5
91	MP1C	X	4.005	2.5
92	MP1C	Z	6.936	2.5
93	MP1C	Mx	.004	2.5
94	MP1C	X	4.005	3.5
95	MP1C	Z	6.936	3.5
96	MP1C	Mx	.004	3.5
97	M110A	X	3.673	5.75
98	M110A	Z	6.362	5.75
99	M110A	Mx	-.000918	5.75
100	M110A	X	3.673	5.75
101	M110A	Z	6.362	5.75
102	M110A	Mx	.000918	5.75
103	M136A	X	3.673	5.75
104	M136A	Z	6.362	5.75
105	M136A	Mx	-.000918	5.75
106	M136A	X	3.673	5.75
107	M136A	Z	6.362	5.75
108	M136A	Mx	.000918	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1
2	MP3A	Z	31.742	1
3	MP3A	Mx	.016	1
4	MP3A	X	0	5.5
5	MP3A	Z	31.742	5.5
6	MP3A	Mx	.016	5.5
7	MP3B	X	0	1
8	MP3B	Z	24.341	1
9	MP3B	Mx	-.017	1
10	MP3B	X	0	5.5
11	MP3B	Z	24.341	5.5
12	MP3B	Mx	-.017	5.5
13	MP3C	X	0	1



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
14	MP3C	Z	24.341	1
15	MP3C	Mx	.004	1
16	MP3C	X	0	5.5
17	MP3C	Z	24.341	5.5
18	MP3C	Mx	.004	5.5
19	MP3A	X	0	1
20	MP3A	Z	31.742	1
21	MP3A	Mx	-.016	1
22	MP3A	X	0	5.5
23	MP3A	Z	31.742	5.5
24	MP3A	Mx	-.016	5.5
25	MP3B	X	0	1
26	MP3B	Z	24.341	1
27	MP3B	Mx	-.004	1
28	MP3B	X	0	5.5
29	MP3B	Z	24.341	5.5
30	MP3B	Mx	-.004	5.5
31	MP3C	X	0	1
32	MP3C	Z	24.341	1
33	MP3C	Mx	.017	1
34	MP3C	X	0	5.5
35	MP3C	Z	24.341	5.5
36	MP3C	Mx	.017	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	15.918	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	12.278	1.5
42	MP3B	Mx	.005	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	12.278	1.5
45	MP3C	Mx	-.005	1.5
46	MP3A	X	0	4
47	MP3A	Z	15.856	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4
50	MP3B	Z	10.852	4
51	MP3B	Mx	.005	4
52	MP3C	X	0	4
53	MP3C	Z	10.852	4
54	MP3C	Mx	-.005	4
55	M111	X	0	1.5
56	M111	Z	30.548	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	30.548	1.5
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	29.734	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	29.734	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	20.482	.5
69	MP5B	Mx	-.009	.5
70	MP5B	X	0	5.5
71	MP5B	Z	20.482	5.5
72	MP5B	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP5C	X	0	.5
74	MP5C	Z	20.482	.5
75	MP5C	Mx	.009	.5
76	MP5C	X	0	5.5
77	MP5C	Z	20.482	5.5
78	MP5C	Mx	.009	5.5
79	MP1A	X	0	2.5
80	MP1A	Z	18.831	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	18.831	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	10.715	2.5
87	MP1B	Mx	-.005	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	10.715	3.5
90	MP1B	Mx	-.005	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	10.715	2.5
93	MP1C	Mx	.005	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	10.715	3.5
96	MP1C	Mx	.005	3.5
97	M110A	X	0	5.75
98	M110A	Z	8.706	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	8.706	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	4.628	5.75
105	M136A	Mx	-.001	5.75
106	M136A	X	0	5.75
107	M136A	Z	4.628	5.75
108	M136A	Mx	.001	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-14.637	1
2	MP3A	Z	25.353	1
3	MP3A	Mx	.02	1
4	MP3A	X	-14.637	5.5
5	MP3A	Z	25.353	5.5
6	MP3A	Mx	.02	5.5
7	MP3B	X	-10.937	1
8	MP3B	Z	18.944	1
9	MP3B	Mx	-.011	1
10	MP3B	X	-10.937	5.5
11	MP3B	Z	18.944	5.5
12	MP3B	Mx	-.011	5.5
13	MP3C	X	-14.637	1
14	MP3C	Z	25.353	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-14.637	5.5
17	MP3C	Z	25.353	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-14.637	1



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft,%)
20	MP3A	Z	25.353	1
21	MP3A	Mx	-.005	1
22	MP3A	X	-14.637	5.5
23	MP3A	Z	25.353	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	-10.937	1
26	MP3B	Z	18.944	1
27	MP3B	Mx	-.011	1
28	MP3B	X	-10.937	5.5
29	MP3B	Z	18.944	5.5
30	MP3B	Mx	-.011	5.5
31	MP3C	X	-14.637	1
32	MP3C	Z	25.353	1
33	MP3C	Mx	.02	1
34	MP3C	X	-14.637	5.5
35	MP3C	Z	25.353	5.5
36	MP3C	Mx	.02	5.5
37	MP3A	X	-7.352	1.5
38	MP3A	Z	12.735	1.5
39	MP3A	Mx	-.004	1.5
40	MP3B	X	-5.533	1.5
41	MP3B	Z	9.583	1.5
42	MP3B	Mx	.006	1.5
43	MP3C	X	-7.352	1.5
44	MP3C	Z	12.735	1.5
45	MP3C	Mx	-.004	1.5
46	MP3A	X	-7.094	4
47	MP3A	Z	12.287	4
48	MP3A	Mx	-.004	4
49	MP3B	X	-4.592	4
50	MP3B	Z	7.954	4
51	MP3B	Mx	.005	4
52	MP3C	X	-7.094	4
53	MP3C	Z	12.287	4
54	MP3C	Mx	-.004	4
55	M111	X	-14.066	1.5
56	M111	Z	24.363	1.5
57	M111	Mx	0	1.5
58	M318	X	-14.066	1.5
59	M318	Z	24.363	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-13.325	.5
62	MP5A	Z	23.08	.5
63	MP5A	Mx	.007	.5
64	MP5A	X	-13.325	5.5
65	MP5A	Z	23.08	5.5
66	MP5A	Mx	.007	5.5
67	MP5B	X	-8.699	.5
68	MP5B	Z	15.068	.5
69	MP5B	Mx	-.009	.5
70	MP5B	X	-8.699	5.5
71	MP5B	Z	15.068	5.5
72	MP5B	Mx	-.009	5.5
73	MP5C	X	-13.325	.5
74	MP5C	Z	23.08	.5
75	MP5C	Mx	.007	.5
76	MP5C	X	-13.325	5.5
77	MP5C	Z	23.08	5.5
78	MP5C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	MP1A	X	-8.063	2.5
80	MP1A	Z	13.965	2.5
81	MP1A	Mx	.004	2.5
82	MP1A	X	-8.063	3.5
83	MP1A	Z	13.965	3.5
84	MP1A	Mx	.004	3.5
85	MP1B	X	-4.005	2.5
86	MP1B	Z	6.936	2.5
87	MP1B	Mx	-.004	2.5
88	MP1B	X	-4.005	3.5
89	MP1B	Z	6.936	3.5
90	MP1B	Mx	-.004	3.5
91	MP1C	X	-8.063	2.5
92	MP1C	Z	13.965	2.5
93	MP1C	Mx	.004	2.5
94	MP1C	X	-8.063	3.5
95	MP1C	Z	13.965	3.5
96	MP1C	Mx	.004	3.5
97	M110A	X	-3.673	5.75
98	M110A	Z	6.362	5.75
99	M110A	Mx	.000918	5.75
100	M110A	X	-3.673	5.75
101	M110A	Z	6.362	5.75
102	M110A	Mx	-.000918	5.75
103	M136A	X	-1.634	5.75
104	M136A	Z	2.83	5.75
105	M136A	Mx	-.000817	5.75
106	M136A	X	-1.634	5.75
107	M136A	Z	2.83	5.75
108	M136A	Mx	.000817	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-21.08	1
2	MP3A	Z	12.171	1
3	MP3A	Mx	.017	1
4	MP3A	X	-21.08	5.5
5	MP3A	Z	12.171	5.5
6	MP3A	Mx	.017	5.5
7	MP3B	X	-21.08	1
8	MP3B	Z	12.171	1
9	MP3B	Mx	-.004	1
10	MP3B	X	-21.08	5.5
11	MP3B	Z	12.171	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	-27.489	1
14	MP3C	Z	15.871	1
15	MP3C	Mx	-.016	1
16	MP3C	X	-27.489	5.5
17	MP3C	Z	15.871	5.5
18	MP3C	Mx	-.016	5.5
19	MP3A	X	-21.08	1
20	MP3A	Z	12.171	1
21	MP3A	Mx	.004	1
22	MP3A	X	-21.08	5.5
23	MP3A	Z	12.171	5.5
24	MP3A	Mx	.004	5.5
25	MP3B	X	-21.08	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
26	MP3B	Z	12.171	1
27	MP3B	Mx	-.017	1
28	MP3B	X	-21.08	5.5
29	MP3B	Z	12.171	5.5
30	MP3B	Mx	-.017	5.5
31	MP3C	X	-27.489	1
32	MP3C	Z	15.871	1
33	MP3C	Mx	.016	1
34	MP3C	X	-27.489	5.5
35	MP3C	Z	15.871	5.5
36	MP3C	Mx	.016	5.5
37	MP3A	X	-10.633	1.5
38	MP3A	Z	6.139	1.5
39	MP3A	Mx	-.005	1.5
40	MP3B	X	-10.633	1.5
41	MP3B	Z	6.139	1.5
42	MP3B	Mx	.005	1.5
43	MP3C	X	-13.785	1.5
44	MP3C	Z	7.959	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	-9.399	4
47	MP3A	Z	5.426	4
48	MP3A	Mx	-.005	4
49	MP3B	X	-9.399	4
50	MP3B	Z	5.426	4
51	MP3B	Mx	.005	4
52	MP3C	X	-13.732	4
53	MP3C	Z	7.928	4
54	MP3C	Mx	0	4
55	M111	X	-20.177	1.5
56	M111	Z	11.649	1.5
57	M111	Mx	0	1.5
58	M318	X	-20.177	1.5
59	M318	Z	11.649	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-17.738	.5
62	MP5A	Z	10.241	.5
63	MP5A	Mx	.009	.5
64	MP5A	X	-17.738	5.5
65	MP5A	Z	10.241	5.5
66	MP5A	Mx	.009	5.5
67	MP5B	X	-17.738	.5
68	MP5B	Z	10.241	.5
69	MP5B	Mx	-.009	.5
70	MP5B	X	-17.738	5.5
71	MP5B	Z	10.241	5.5
72	MP5B	Mx	-.009	5.5
73	MP5C	X	-25.75	.5
74	MP5C	Z	14.867	.5
75	MP5C	Mx	0	.5
76	MP5C	X	-25.75	5.5
77	MP5C	Z	14.867	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	-9.279	2.5
80	MP1A	Z	5.357	2.5
81	MP1A	Mx	.005	2.5
82	MP1A	X	-9.279	3.5
83	MP1A	Z	5.357	3.5
84	MP1A	Mx	.005	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP1B	X	-9.279	2.5
86	MP1B	Z	5.357	2.5
87	MP1B	Mx	-.005	2.5
88	MP1B	X	-9.279	3.5
89	MP1B	Z	5.357	3.5
90	MP1B	Mx	-.005	3.5
91	MP1C	X	-16.308	2.5
92	MP1C	Z	9.416	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	-16.308	3.5
95	MP1C	Z	9.416	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	-4.008	5.75
98	M110A	Z	2.314	5.75
99	M110A	Mx	.001	5.75
100	M110A	X	-4.008	5.75
101	M110A	Z	2.314	5.75
102	M110A	Mx	-.001	5.75
103	M136A	X	-4.008	5.75
104	M136A	Z	2.314	5.75
105	M136A	Mx	-.001	5.75
106	M136A	X	-4.008	5.75
107	M136A	Z	2.314	5.75
108	M136A	Mx	.001	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-21.874	1
2	MP3A	Z	0	1
3	MP3A	Mx	.011	1
4	MP3A	X	-21.874	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.011	5.5
7	MP3B	X	-29.275	1
8	MP3B	Z	0	1
9	MP3B	Mx	.005	1
10	MP3B	X	-29.275	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	-29.275	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.02	1
16	MP3C	X	-29.275	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.02	5.5
19	MP3A	X	-21.874	1
20	MP3A	Z	0	1
21	MP3A	Mx	.011	1
22	MP3A	X	-21.874	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.011	5.5
25	MP3B	X	-29.275	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.02	1
28	MP3B	X	-29.275	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.02	5.5
31	MP3C	X	-29.275	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
32	MP3C	Z	0	1
33	MP3C	Mx	.005	1
34	MP3C	X	-29.275	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.005	5.5
37	MP3A	X	-11.065	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.006	1.5
40	MP3B	X	-14.705	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	.004	1.5
43	MP3C	X	-14.705	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	.004	1.5
46	MP3A	X	-9.185	4
47	MP3A	Z	0	4
48	MP3A	Mx	-.005	4
49	MP3B	X	-14.188	4
50	MP3B	Z	0	4
51	MP3B	Mx	.004	4
52	MP3C	X	-14.188	4
53	MP3C	Z	0	4
54	MP3C	Mx	.004	4
55	M111	X	-20.881	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	-20.881	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-17.399	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	.009	.5
64	MP5A	X	-17.399	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	.009	5.5
67	MP5B	X	-26.65	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	-.007	.5
70	MP5B	X	-26.65	5.5
71	MP5B	Z	0	5.5
72	MP5B	Mx	-.007	5.5
73	MP5C	X	-26.65	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	-.007	.5
76	MP5C	X	-26.65	5.5
77	MP5C	Z	0	5.5
78	MP5C	Mx	-.007	5.5
79	MP1A	X	-8.01	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	.004	2.5
82	MP1A	X	-8.01	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	.004	3.5
85	MP1B	X	-16.126	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	-.004	2.5
88	MP1B	X	-16.126	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	-.004	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
91	MP1C	X	-16.126	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	-.004	2.5
94	MP1C	X	-16.126	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	-.004	3.5
97	M110A	X	-3.268	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	.000817	5.75
100	M110A	X	-3.268	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	-.000817	5.75
103	M136A	X	-7.347	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	-.000918	5.75
106	M136A	X	-7.347	5.75
107	M136A	Z	0	5.75
108	M136A	Mx	.000918	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-21.08	1
2	MP3A	Z	-12.171	1
3	MP3A	Mx	.004	1
4	MP3A	X	-21.08	5.5
5	MP3A	Z	-12.171	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	-27.489	1
8	MP3B	Z	-15.871	1
9	MP3B	Mx	.016	1
10	MP3B	X	-27.489	5.5
11	MP3B	Z	-15.871	5.5
12	MP3B	Mx	.016	5.5
13	MP3C	X	-21.08	1
14	MP3C	Z	-12.171	1
15	MP3C	Mx	-.017	1
16	MP3C	X	-21.08	5.5
17	MP3C	Z	-12.171	5.5
18	MP3C	Mx	-.017	5.5
19	MP3A	X	-21.08	1
20	MP3A	Z	-12.171	1
21	MP3A	Mx	.017	1
22	MP3A	X	-21.08	5.5
23	MP3A	Z	-12.171	5.5
24	MP3A	Mx	.017	5.5
25	MP3B	X	-27.489	1
26	MP3B	Z	-15.871	1
27	MP3B	Mx	-.016	1
28	MP3B	X	-27.489	5.5
29	MP3B	Z	-15.871	5.5
30	MP3B	Mx	-.016	5.5
31	MP3C	X	-21.08	1
32	MP3C	Z	-12.171	1
33	MP3C	Mx	-.004	1
34	MP3C	X	-21.08	5.5
35	MP3C	Z	-12.171	5.5
36	MP3C	Mx	-.004	5.5
37	MP3A	X	-10.633	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP3A	Z	-6.139	1.5
39	MP3A	Mx	-.005	1.5
40	MP3B	X	-13.785	1.5
41	MP3B	Z	-7.959	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	-10.633	1.5
44	MP3C	Z	-6.139	1.5
45	MP3C	Mx	.005	1.5
46	MP3A	X	-9.399	4
47	MP3A	Z	-5.426	4
48	MP3A	Mx	-.005	4
49	MP3B	X	-13.732	4
50	MP3B	Z	-7.928	4
51	MP3B	Mx	0	4
52	MP3C	X	-9.399	4
53	MP3C	Z	-5.426	4
54	MP3C	Mx	.005	4
55	M111	X	-20.177	1.5
56	M111	Z	-11.649	1.5
57	M111	Mx	0	1.5
58	M318	X	-20.177	1.5
59	M318	Z	-11.649	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-17.738	.5
62	MP5A	Z	-10.241	.5
63	MP5A	Mx	.009	.5
64	MP5A	X	-17.738	5.5
65	MP5A	Z	-10.241	5.5
66	MP5A	Mx	.009	5.5
67	MP5B	X	-25.75	.5
68	MP5B	Z	-14.867	.5
69	MP5B	Mx	0	.5
70	MP5B	X	-25.75	5.5
71	MP5B	Z	-14.867	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	-17.738	.5
74	MP5C	Z	-10.241	.5
75	MP5C	Mx	-.009	.5
76	MP5C	X	-17.738	5.5
77	MP5C	Z	-10.241	5.5
78	MP5C	Mx	-.009	5.5
79	MP1A	X	-9.279	2.5
80	MP1A	Z	-5.357	2.5
81	MP1A	Mx	.005	2.5
82	MP1A	X	-9.279	3.5
83	MP1A	Z	-5.357	3.5
84	MP1A	Mx	.005	3.5
85	MP1B	X	-16.308	2.5
86	MP1B	Z	-9.416	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	-16.308	3.5
89	MP1B	Z	-9.416	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	-9.279	2.5
92	MP1C	Z	-5.357	2.5
93	MP1C	Mx	-.005	2.5
94	MP1C	X	-9.279	3.5
95	MP1C	Z	-5.357	3.5
96	MP1C	Mx	-.005	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
97	M110A	X	-4.008	5.75
98	M110A	Z	-2.314	5.75
99	M110A	Mx	.001	5.75
100	M110A	X	-4.008	5.75
101	M110A	Z	-2.314	5.75
102	M110A	Mx	-.001	5.75
103	M136A	X	-7.54	5.75
104	M136A	Z	-4.353	5.75
105	M136A	Mx	0	5.75
106	M136A	X	-7.54	5.75
107	M136A	Z	-4.353	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-14.637	1
2	MP3A	Z	-25.353	1
3	MP3A	Mx	-.005	1
4	MP3A	X	-14.637	5.5
5	MP3A	Z	-25.353	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	-14.637	1
8	MP3B	Z	-25.353	1
9	MP3B	Mx	.02	1
10	MP3B	X	-14.637	5.5
11	MP3B	Z	-25.353	5.5
12	MP3B	Mx	.02	5.5
13	MP3C	X	-10.937	1
14	MP3C	Z	-18.944	1
15	MP3C	Mx	-.011	1
16	MP3C	X	-10.937	5.5
17	MP3C	Z	-18.944	5.5
18	MP3C	Mx	-.011	5.5
19	MP3A	X	-14.637	1
20	MP3A	Z	-25.353	1
21	MP3A	Mx	.02	1
22	MP3A	X	-14.637	5.5
23	MP3A	Z	-25.353	5.5
24	MP3A	Mx	.02	5.5
25	MP3B	X	-14.637	1
26	MP3B	Z	-25.353	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-14.637	5.5
29	MP3B	Z	-25.353	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-10.937	1
32	MP3C	Z	-18.944	1
33	MP3C	Mx	-.011	1
34	MP3C	X	-10.937	5.5
35	MP3C	Z	-18.944	5.5
36	MP3C	Mx	-.011	5.5
37	MP3A	X	-7.352	1.5
38	MP3A	Z	-12.735	1.5
39	MP3A	Mx	-.004	1.5
40	MP3B	X	-7.352	1.5
41	MP3B	Z	-12.735	1.5
42	MP3B	Mx	-.004	1.5
43	MP3C	X	-5.533	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP3C	Z	-9.583	1.5
45	MP3C	Mx	.006	1.5
46	MP3A	X	-7.094	4
47	MP3A	Z	-12.287	4
48	MP3A	Mx	-.004	4
49	MP3B	X	-7.094	4
50	MP3B	Z	-12.287	4
51	MP3B	Mx	-.004	4
52	MP3C	X	-4.592	4
53	MP3C	Z	-7.954	4
54	MP3C	Mx	.005	4
55	M111	X	-14.066	1.5
56	M111	Z	-24.363	1.5
57	M111	Mx	0	1.5
58	M318	X	-14.066	1.5
59	M318	Z	-24.363	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-13.325	.5
62	MP5A	Z	-23.08	.5
63	MP5A	Mx	.007	.5
64	MP5A	X	-13.325	5.5
65	MP5A	Z	-23.08	5.5
66	MP5A	Mx	.007	5.5
67	MP5B	X	-13.325	.5
68	MP5B	Z	-23.08	.5
69	MP5B	Mx	.007	.5
70	MP5B	X	-13.325	5.5
71	MP5B	Z	-23.08	5.5
72	MP5B	Mx	.007	5.5
73	MP5C	X	-8.699	.5
74	MP5C	Z	-15.068	.5
75	MP5C	Mx	-.009	.5
76	MP5C	X	-8.699	5.5
77	MP5C	Z	-15.068	5.5
78	MP5C	Mx	-.009	5.5
79	MP1A	X	-8.063	2.5
80	MP1A	Z	-13.965	2.5
81	MP1A	Mx	.004	2.5
82	MP1A	X	-8.063	3.5
83	MP1A	Z	-13.965	3.5
84	MP1A	Mx	.004	3.5
85	MP1B	X	-8.063	2.5
86	MP1B	Z	-13.965	2.5
87	MP1B	Mx	.004	2.5
88	MP1B	X	-8.063	3.5
89	MP1B	Z	-13.965	3.5
90	MP1B	Mx	.004	3.5
91	MP1C	X	-4.005	2.5
92	MP1C	Z	-6.936	2.5
93	MP1C	Mx	-.004	2.5
94	MP1C	X	-4.005	3.5
95	MP1C	Z	-6.936	3.5
96	MP1C	Mx	-.004	3.5
97	M110A	X	-3.673	5.75
98	M110A	Z	-6.362	5.75
99	M110A	Mx	.000918	5.75
100	M110A	X	-3.673	5.75
101	M110A	Z	-6.362	5.75
102	M110A	Mx	-.000918	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
103	M136A	X	-3.673	5.75
104	M136A	Z	-6.362	5.75
105	M136A	Mx	.000918	5.75
106	M136A	X	-3.673	5.75
107	M136A	Z	-6.362	5.75
108	M136A	Mx	-.000918	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1
2	MP3A	Z	-6.972	1
3	MP3A	Mx	-.003	1
4	MP3A	X	0	5.5
5	MP3A	Z	-6.972	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	0	1
8	MP3B	Z	-3.987	1
9	MP3B	Mx	.003	1
10	MP3B	X	0	5.5
11	MP3B	Z	-3.987	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	0	1
14	MP3C	Z	-3.987	1
15	MP3C	Mx	-.00073	1
16	MP3C	X	0	5.5
17	MP3C	Z	-3.987	5.5
18	MP3C	Mx	-.00073	5.5
19	MP3A	X	0	1
20	MP3A	Z	-6.972	1
21	MP3A	Mx	.003	1
22	MP3A	X	0	5.5
23	MP3A	Z	-6.972	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	0	1
26	MP3B	Z	-3.987	1
27	MP3B	Mx	.00073	1
28	MP3B	X	0	5.5
29	MP3B	Z	-3.987	5.5
30	MP3B	Mx	.00073	5.5
31	MP3C	X	0	1
32	MP3C	Z	-3.987	1
33	MP3C	Mx	-.003	1
34	MP3C	X	0	5.5
35	MP3C	Z	-3.987	5.5
36	MP3C	Mx	-.003	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	-3.981	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	-2.998	1.5
42	MP3B	Mx	-.001	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	-2.998	1.5
45	MP3C	Mx	.001	1.5
46	MP3A	X	0	4
47	MP3A	Z	-3.966	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
50	MP3B	Z	-2.623	4
51	MP3B	Mx	-.001	4
52	MP3C	X	0	4
53	MP3C	Z	-2.623	4
54	MP3C	Mx	.001	4
55	M111	X	0	1.5
56	M111	Z	-9.698	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	-9.698	1.5
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	-9.685	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	-9.685	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	-6.411	.5
69	MP5B	Mx	.003	.5
70	MP5B	X	0	5.5
71	MP5B	Z	-6.411	5.5
72	MP5B	Mx	.003	5.5
73	MP5C	X	0	.5
74	MP5C	Z	-6.411	.5
75	MP5C	Mx	-.003	.5
76	MP5C	X	0	5.5
77	MP5C	Z	-6.411	5.5
78	MP5C	Mx	-.003	5.5
79	MP1A	X	0	2.5
80	MP1A	Z	-5.015	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	-5.015	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	-2.549	2.5
87	MP1B	Mx	.001	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	-2.549	3.5
90	MP1B	Mx	.001	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	-2.549	2.5
93	MP1C	Mx	-.001	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	-2.549	3.5
96	MP1C	Mx	-.001	3.5
97	M110A	X	0	5.75
98	M110A	Z	-2.456	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	-2.456	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	-1.173	5.75
105	M136A	Mx	.000254	5.75
106	M136A	X	0	5.75
107	M136A	Z	-1.173	5.75
108	M136A	Mx	-.000254	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
1	MP3A	X	2.989	1
2	MP3A	Z	-5.176	1
3	MP3A	Mx	-.004	1
4	MP3A	X	2.989	5.5
5	MP3A	Z	-5.176	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	1.496	1
8	MP3B	Z	-2.591	1
9	MP3B	Mx	.001	1
10	MP3B	X	1.496	5.5
11	MP3B	Z	-2.591	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	2.989	1
14	MP3C	Z	-5.176	1
15	MP3C	Mx	.001	1
16	MP3C	X	2.989	5.5
17	MP3C	Z	-5.176	5.5
18	MP3C	Mx	.001	5.5
19	MP3A	X	2.989	1
20	MP3A	Z	-5.176	1
21	MP3A	Mx	.001	1
22	MP3A	X	2.989	5.5
23	MP3A	Z	-5.176	5.5
24	MP3A	Mx	.001	5.5
25	MP3B	X	1.496	1
26	MP3B	Z	-2.591	1
27	MP3B	Mx	.001	1
28	MP3B	X	1.496	5.5
29	MP3B	Z	-2.591	5.5
30	MP3B	Mx	.001	5.5
31	MP3C	X	2.989	1
32	MP3C	Z	-5.176	1
33	MP3C	Mx	-.004	1
34	MP3C	X	2.989	5.5
35	MP3C	Z	-5.176	5.5
36	MP3C	Mx	-.004	5.5
37	MP3A	X	1.827	1.5
38	MP3A	Z	-3.164	1.5
39	MP3A	Mx	.000914	1.5
40	MP3B	X	1.335	1.5
41	MP3B	Z	-2.313	1.5
42	MP3B	Mx	-.001	1.5
43	MP3C	X	1.827	1.5
44	MP3C	Z	-3.164	1.5
45	MP3C	Mx	.000913	1.5
46	MP3A	X	1.759	4
47	MP3A	Z	-3.047	4
48	MP3A	Mx	.000879	4
49	MP3B	X	1.088	4
50	MP3B	Z	-1.884	4
51	MP3B	Mx	-.001	4
52	MP3C	X	1.759	4
53	MP3C	Z	-3.047	4
54	MP3C	Mx	.00088	4
55	M111	X	4.439	1.5
56	M111	Z	-7.689	1.5
57	M111	Mx	0	1.5
58	M318	X	4.439	1.5
59	M318	Z	-7.689	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	M318	Mx	0	1.5
61	MP5A	X	4.297	.5
62	MP5A	Z	-7.443	.5
63	MP5A	Mx	-.002	.5
64	MP5A	X	4.297	5.5
65	MP5A	Z	-7.443	5.5
66	MP5A	Mx	-.002	5.5
67	MP5B	X	2.66	.5
68	MP5B	Z	-4.607	.5
69	MP5B	Mx	.003	.5
70	MP5B	X	2.66	5.5
71	MP5B	Z	-4.607	5.5
72	MP5B	Mx	.003	5.5
73	MP5C	X	4.297	.5
74	MP5C	Z	-7.443	.5
75	MP5C	Mx	-.002	.5
76	MP5C	X	4.297	5.5
77	MP5C	Z	-7.443	5.5
78	MP5C	Mx	-.002	5.5
79	MP1A	X	2.097	2.5
80	MP1A	Z	-3.632	2.5
81	MP1A	Mx	-.001	2.5
82	MP1A	X	2.097	3.5
83	MP1A	Z	-3.632	3.5
84	MP1A	Mx	-.001	3.5
85	MP1B	X	.864	2.5
86	MP1B	Z	-1.496	2.5
87	MP1B	Mx	.000864	2.5
88	MP1B	X	.864	3.5
89	MP1B	Z	-1.496	3.5
90	MP1B	Mx	.000864	3.5
91	MP1C	X	2.097	2.5
92	MP1C	Z	-3.632	2.5
93	MP1C	Mx	-.001	2.5
94	MP1C	X	2.097	3.5
95	MP1C	Z	-3.632	3.5
96	MP1C	Mx	-.001	3.5
97	M110A	X	1.014	5.75
98	M110A	Z	-1.757	5.75
99	M110A	Mx	-.000253	5.75
100	M110A	X	1.014	5.75
101	M110A	Z	-1.757	5.75
102	M110A	Mx	.000253	5.75
103	M136A	X	.373	5.75
104	M136A	Z	-.645	5.75
105	M136A	Mx	.000186	5.75
106	M136A	X	.373	5.75
107	M136A	Z	-.645	5.75
108	M136A	Mx	-.000186	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	3.453	1
2	MP3A	Z	-1.993	1
3	MP3A	Mx	-.003	1
4	MP3A	X	3.453	5.5
5	MP3A	Z	-1.993	5.5
6	MP3A	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
7	MP3B	X	3.453	1
8	MP3B	Z	-1.993	1
9	MP3B	Mx	.000729	1
10	MP3B	X	3.453	5.5
11	MP3B	Z	-1.993	5.5
12	MP3B	Mx	.000729	5.5
13	MP3C	X	6.038	1
14	MP3C	Z	-3.486	1
15	MP3C	Mx	.003	1
16	MP3C	X	6.038	5.5
17	MP3C	Z	-3.486	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	3.453	1
20	MP3A	Z	-1.993	1
21	MP3A	Mx	-.00073	1
22	MP3A	X	3.453	5.5
23	MP3A	Z	-1.993	5.5
24	MP3A	Mx	-.00073	5.5
25	MP3B	X	3.453	1
26	MP3B	Z	-1.993	1
27	MP3B	Mx	.003	1
28	MP3B	X	3.453	5.5
29	MP3B	Z	-1.993	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	6.038	1
32	MP3C	Z	-3.486	1
33	MP3C	Mx	-.003	1
34	MP3C	X	6.038	5.5
35	MP3C	Z	-3.486	5.5
36	MP3C	Mx	-.003	5.5
37	MP3A	X	2.597	1.5
38	MP3A	Z	-1.499	1.5
39	MP3A	Mx	.001	1.5
40	MP3B	X	2.597	1.5
41	MP3B	Z	-1.499	1.5
42	MP3B	Mx	-.001	1.5
43	MP3C	X	3.447	1.5
44	MP3C	Z	-1.99	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	2.271	4
47	MP3A	Z	-1.311	4
48	MP3A	Mx	.001	4
49	MP3B	X	2.271	4
50	MP3B	Z	-1.311	4
51	MP3B	Mx	-.001	4
52	MP3C	X	3.435	4
53	MP3C	Z	-1.983	4
54	MP3C	Mx	0	4
55	M111	X	6.269	1.5
56	M111	Z	-3.62	1.5
57	M111	Mx	0	1.5
58	M318	X	6.269	1.5
59	M318	Z	-3.62	1.5
60	M318	Mx	0	1.5
61	MP5A	X	5.552	.5
62	MP5A	Z	-3.206	.5
63	MP5A	Mx	-.003	.5
64	MP5A	X	5.552	5.5
65	MP5A	Z	-3.206	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
66	MP5A	Mx	-.003	5.5
67	MP5B	X	5.552	.5
68	MP5B	Z	-3.206	.5
69	MP5B	Mx	.003	.5
70	MP5B	X	5.552	5.5
71	MP5B	Z	-3.206	5.5
72	MP5B	Mx	.003	5.5
73	MP5C	X	8.388	.5
74	MP5C	Z	-4.843	.5
75	MP5C	Mx	0	.5
76	MP5C	X	8.388	5.5
77	MP5C	Z	-4.843	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	2.208	2.5
80	MP1A	Z	-1.275	2.5
81	MP1A	Mx	-.001	2.5
82	MP1A	X	2.208	3.5
83	MP1A	Z	-1.275	3.5
84	MP1A	Mx	-.001	3.5
85	MP1B	X	2.208	2.5
86	MP1B	Z	-1.275	2.5
87	MP1B	Mx	.001	2.5
88	MP1B	X	2.208	3.5
89	MP1B	Z	-1.275	3.5
90	MP1B	Mx	.001	3.5
91	MP1C	X	4.343	2.5
92	MP1C	Z	-2.508	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	4.343	3.5
95	MP1C	Z	-2.508	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	1.016	5.75
98	M110A	Z	-.586	5.75
99	M110A	Mx	-.000254	5.75
100	M110A	X	1.016	5.75
101	M110A	Z	-.586	5.75
102	M110A	Mx	.000254	5.75
103	M136A	X	1.016	5.75
104	M136A	Z	-.586	5.75
105	M136A	Mx	.000254	5.75
106	M136A	X	1.016	5.75
107	M136A	Z	-.586	5.75
108	M136A	Mx	-.000254	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
1	MP3A	X	2.992	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.001	1
4	MP3A	X	2.992	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	5.977	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.001	1
10	MP3B	X	5.977	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.001	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP3C	X	5.977	1
14	MP3C	Z	0	1
15	MP3C	Mx	.004	1
16	MP3C	X	5.977	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.004	5.5
19	MP3A	X	2.992	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.001	1
22	MP3A	X	2.992	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.001	5.5
25	MP3B	X	5.977	1
26	MP3B	Z	0	1
27	MP3B	Mx	.004	1
28	MP3B	X	5.977	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.004	5.5
31	MP3C	X	5.977	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.001	1
34	MP3C	X	5.977	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.001	5.5
37	MP3A	X	2.671	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	.001	1.5
40	MP3B	X	3.653	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	-.000913	1.5
43	MP3C	X	3.653	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	-.000913	1.5
46	MP3A	X	2.175	4
47	MP3A	Z	0	4
48	MP3A	Mx	.001	4
49	MP3B	X	3.518	4
50	MP3B	Z	0	4
51	MP3B	Mx	-.000879	4
52	MP3C	X	3.518	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.000879	4
55	M111	X	6.419	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	6.419	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	5.32	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	-.003	.5
64	MP5A	X	5.32	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	-.003	5.5
67	MP5B	X	8.594	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	.002	.5
70	MP5B	X	8.594	5.5
71	MP5B	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
72	MP5B	Mx	.002	5.5
73	MP5C	X	8.594	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	.002	.5
76	MP5C	X	8.594	5.5
77	MP5C	Z	0	5.5
78	MP5C	Mx	.002	5.5
79	MP1A	X	1.727	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	-.000864	2.5
82	MP1A	X	1.727	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	-.000864	3.5
85	MP1B	X	4.193	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	.001	2.5
88	MP1B	X	4.193	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	.001	3.5
91	MP1C	X	4.193	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	.001	2.5
94	MP1C	X	4.193	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	.001	3.5
97	M110A	X	.745	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	-.000186	5.75
100	M110A	X	.745	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	.000186	5.75
103	M136A	X	2.029	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	.000254	5.75
106	M136A	X	2.029	5.75
107	M136A	Z	0	5.75
108	M136A	Mx	-.000254	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	3.453	1
2	MP3A	Z	1.993	1
3	MP3A	Mx	-.00073	1
4	MP3A	X	3.453	5.5
5	MP3A	Z	1.993	5.5
6	MP3A	Mx	-.00073	5.5
7	MP3B	X	6.038	1
8	MP3B	Z	3.486	1
9	MP3B	Mx	-.003	1
10	MP3B	X	6.038	5.5
11	MP3B	Z	3.486	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	3.453	1
14	MP3C	Z	1.993	1
15	MP3C	Mx	.003	1
16	MP3C	X	3.453	5.5
17	MP3C	Z	1.993	5.5
18	MP3C	Mx	.003	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP3A	X	3.453	1
20	MP3A	Z	1.993	1
21	MP3A	Mx	-.003	1
22	MP3A	X	3.453	5.5
23	MP3A	Z	1.993	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	6.038	1
26	MP3B	Z	3.486	1
27	MP3B	Mx	.003	1
28	MP3B	X	6.038	5.5
29	MP3B	Z	3.486	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	3.453	1
32	MP3C	Z	1.993	1
33	MP3C	Mx	.000729	1
34	MP3C	X	3.453	5.5
35	MP3C	Z	1.993	5.5
36	MP3C	Mx	.000729	5.5
37	MP3A	X	2.597	1.5
38	MP3A	Z	1.499	1.5
39	MP3A	Mx	.001	1.5
40	MP3B	X	3.447	1.5
41	MP3B	Z	1.99	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	2.597	1.5
44	MP3C	Z	1.499	1.5
45	MP3C	Mx	-.001	1.5
46	MP3A	X	2.271	4
47	MP3A	Z	1.311	4
48	MP3A	Mx	.001	4
49	MP3B	X	3.435	4
50	MP3B	Z	1.983	4
51	MP3B	Mx	0	4
52	MP3C	X	2.271	4
53	MP3C	Z	1.311	4
54	MP3C	Mx	-.001	4
55	M111	X	6.269	1.5
56	M111	Z	3.62	1.5
57	M111	Mx	0	1.5
58	M318	X	6.269	1.5
59	M318	Z	3.62	1.5
60	M318	Mx	0	1.5
61	MP5A	X	5.552	.5
62	MP5A	Z	3.206	.5
63	MP5A	Mx	-.003	.5
64	MP5A	X	5.552	5.5
65	MP5A	Z	3.206	5.5
66	MP5A	Mx	-.003	5.5
67	MP5B	X	8.388	.5
68	MP5B	Z	4.843	.5
69	MP5B	Mx	0	.5
70	MP5B	X	8.388	5.5
71	MP5B	Z	4.843	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	5.552	.5
74	MP5C	Z	3.206	.5
75	MP5C	Mx	.003	.5
76	MP5C	X	5.552	5.5
77	MP5C	Z	3.206	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
78	MP5C	Mx	.003	5.5
79	MP1A	X	2.208	2.5
80	MP1A	Z	1.275	2.5
81	MP1A	Mx	-.001	2.5
82	MP1A	X	2.208	3.5
83	MP1A	Z	1.275	3.5
84	MP1A	Mx	-.001	3.5
85	MP1B	X	4.343	2.5
86	MP1B	Z	2.508	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	4.343	3.5
89	MP1B	Z	2.508	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	2.208	2.5
92	MP1C	Z	1.275	2.5
93	MP1C	Mx	.001	2.5
94	MP1C	X	2.208	3.5
95	MP1C	Z	1.275	3.5
96	MP1C	Mx	.001	3.5
97	M110A	X	1.016	5.75
98	M110A	Z	.586	5.75
99	M110A	Mx	-.000254	5.75
100	M110A	X	1.016	5.75
101	M110A	Z	.586	5.75
102	M110A	Mx	.000254	5.75
103	M136A	X	2.127	5.75
104	M136A	Z	1.228	5.75
105	M136A	Mx	0	5.75
106	M136A	X	2.127	5.75
107	M136A	Z	1.228	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	2.989	1
2	MP3A	Z	5.176	1
3	MP3A	Mx	.001	1
4	MP3A	X	2.989	5.5
5	MP3A	Z	5.176	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	2.989	1
8	MP3B	Z	5.176	1
9	MP3B	Mx	-.004	1
10	MP3B	X	2.989	5.5
11	MP3B	Z	5.176	5.5
12	MP3B	Mx	-.004	5.5
13	MP3C	X	1.496	1
14	MP3C	Z	2.591	1
15	MP3C	Mx	.001	1
16	MP3C	X	1.496	5.5
17	MP3C	Z	2.591	5.5
18	MP3C	Mx	.001	5.5
19	MP3A	X	2.989	1
20	MP3A	Z	5.176	1
21	MP3A	Mx	-.004	1
22	MP3A	X	2.989	5.5
23	MP3A	Z	5.176	5.5
24	MP3A	Mx	-.004	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP3B	X	2.989	1
26	MP3B	Z	5.176	1
27	MP3B	Mx	.001	1
28	MP3B	X	2.989	5.5
29	MP3B	Z	5.176	5.5
30	MP3B	Mx	.001	5.5
31	MP3C	X	1.496	1
32	MP3C	Z	2.591	1
33	MP3C	Mx	.001	1
34	MP3C	X	1.496	5.5
35	MP3C	Z	2.591	5.5
36	MP3C	Mx	.001	5.5
37	MP3A	X	1.827	1.5
38	MP3A	Z	3.164	1.5
39	MP3A	Mx	.000914	1.5
40	MP3B	X	1.827	1.5
41	MP3B	Z	3.164	1.5
42	MP3B	Mx	.000913	1.5
43	MP3C	X	1.335	1.5
44	MP3C	Z	2.313	1.5
45	MP3C	Mx	-.001	1.5
46	MP3A	X	1.759	4
47	MP3A	Z	3.047	4
48	MP3A	Mx	.000879	4
49	MP3B	X	1.759	4
50	MP3B	Z	3.047	4
51	MP3B	Mx	.00088	4
52	MP3C	X	1.088	4
53	MP3C	Z	1.884	4
54	MP3C	Mx	-.001	4
55	M111	X	4.439	1.5
56	M111	Z	7.689	1.5
57	M111	Mx	0	1.5
58	M318	X	4.439	1.5
59	M318	Z	7.689	1.5
60	M318	Mx	0	1.5
61	MP5A	X	4.297	.5
62	MP5A	Z	7.443	.5
63	MP5A	Mx	-.002	.5
64	MP5A	X	4.297	5.5
65	MP5A	Z	7.443	5.5
66	MP5A	Mx	-.002	5.5
67	MP5B	X	4.297	.5
68	MP5B	Z	7.443	.5
69	MP5B	Mx	-.002	.5
70	MP5B	X	4.297	5.5
71	MP5B	Z	7.443	5.5
72	MP5B	Mx	-.002	5.5
73	MP5C	X	2.66	.5
74	MP5C	Z	4.607	.5
75	MP5C	Mx	.003	.5
76	MP5C	X	2.66	5.5
77	MP5C	Z	4.607	5.5
78	MP5C	Mx	.003	5.5
79	MP1A	X	2.097	2.5
80	MP1A	Z	3.632	2.5
81	MP1A	Mx	-.001	2.5
82	MP1A	X	2.097	3.5
83	MP1A	Z	3.632	3.5



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
84	MP1A	Mx	-.001	3.5
85	MP1B	X	2.097	2.5
86	MP1B	Z	3.632	2.5
87	MP1B	Mx	-.001	2.5
88	MP1B	X	2.097	3.5
89	MP1B	Z	3.632	3.5
90	MP1B	Mx	-.001	3.5
91	MP1C	X	.864	2.5
92	MP1C	Z	1.496	2.5
93	MP1C	Mx	.000864	2.5
94	MP1C	X	.864	3.5
95	MP1C	Z	1.496	3.5
96	MP1C	Mx	.000864	3.5
97	M110A	X	1.014	5.75
98	M110A	Z	1.757	5.75
99	M110A	Mx	-.000253	5.75
100	M110A	X	1.014	5.75
101	M110A	Z	1.757	5.75
102	M110A	Mx	.000253	5.75
103	M136A	X	1.014	5.75
104	M136A	Z	1.757	5.75
105	M136A	Mx	-.000254	5.75
106	M136A	X	1.014	5.75
107	M136A	Z	1.757	5.75
108	M136A	Mx	.000254	5.75

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
1	MP3A	X	0	1
2	MP3A	Z	6.972	1
3	MP3A	Mx	.003	1
4	MP3A	X	0	5.5
5	MP3A	Z	6.972	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	0	1
8	MP3B	Z	3.987	1
9	MP3B	Mx	-.003	1
10	MP3B	X	0	5.5
11	MP3B	Z	3.987	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	0	1
14	MP3C	Z	3.987	1
15	MP3C	Mx	.00073	1
16	MP3C	X	0	5.5
17	MP3C	Z	3.987	5.5
18	MP3C	Mx	.00073	5.5
19	MP3A	X	0	1
20	MP3A	Z	6.972	1
21	MP3A	Mx	-.003	1
22	MP3A	X	0	5.5
23	MP3A	Z	6.972	5.5
24	MP3A	Mx	-.003	5.5
25	MP3B	X	0	1
26	MP3B	Z	3.987	1
27	MP3B	Mx	-.00073	1
28	MP3B	X	0	5.5
29	MP3B	Z	3.987	5.5
30	MP3B	Mx	-.00073	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP3C	X	0	1
32	MP3C	Z	3.987	1
33	MP3C	Mx	.003	1
34	MP3C	X	0	5.5
35	MP3C	Z	3.987	5.5
36	MP3C	Mx	.003	5.5
37	MP3A	X	0	1.5
38	MP3A	Z	3.981	1.5
39	MP3A	Mx	0	1.5
40	MP3B	X	0	1.5
41	MP3B	Z	2.998	1.5
42	MP3B	Mx	.001	1.5
43	MP3C	X	0	1.5
44	MP3C	Z	2.998	1.5
45	MP3C	Mx	-.001	1.5
46	MP3A	X	0	4
47	MP3A	Z	3.966	4
48	MP3A	Mx	0	4
49	MP3B	X	0	4
50	MP3B	Z	2.623	4
51	MP3B	Mx	.001	4
52	MP3C	X	0	4
53	MP3C	Z	2.623	4
54	MP3C	Mx	-.001	4
55	M111	X	0	1.5
56	M111	Z	9.698	1.5
57	M111	Mx	0	1.5
58	M318	X	0	1.5
59	M318	Z	9.698	1.5
60	M318	Mx	0	1.5
61	MP5A	X	0	.5
62	MP5A	Z	9.685	.5
63	MP5A	Mx	0	.5
64	MP5A	X	0	5.5
65	MP5A	Z	9.685	5.5
66	MP5A	Mx	0	5.5
67	MP5B	X	0	.5
68	MP5B	Z	6.411	.5
69	MP5B	Mx	-.003	.5
70	MP5B	X	0	5.5
71	MP5B	Z	6.411	5.5
72	MP5B	Mx	-.003	5.5
73	MP5C	X	0	.5
74	MP5C	Z	6.411	.5
75	MP5C	Mx	.003	.5
76	MP5C	X	0	5.5
77	MP5C	Z	6.411	5.5
78	MP5C	Mx	.003	5.5
79	MP1A	X	0	2.5
80	MP1A	Z	5.015	2.5
81	MP1A	Mx	0	2.5
82	MP1A	X	0	3.5
83	MP1A	Z	5.015	3.5
84	MP1A	Mx	0	3.5
85	MP1B	X	0	2.5
86	MP1B	Z	2.549	2.5
87	MP1B	Mx	-.001	2.5
88	MP1B	X	0	3.5
89	MP1B	Z	2.549	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP1B	Mx	-.001	3.5
91	MP1C	X	0	2.5
92	MP1C	Z	2.549	2.5
93	MP1C	Mx	.001	2.5
94	MP1C	X	0	3.5
95	MP1C	Z	2.549	3.5
96	MP1C	Mx	.001	3.5
97	M110A	X	0	5.75
98	M110A	Z	2.456	5.75
99	M110A	Mx	0	5.75
100	M110A	X	0	5.75
101	M110A	Z	2.456	5.75
102	M110A	Mx	0	5.75
103	M136A	X	0	5.75
104	M136A	Z	1.173	5.75
105	M136A	Mx	-.000254	5.75
106	M136A	X	0	5.75
107	M136A	Z	1.173	5.75
108	M136A	Mx	.000254	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-2.989	1
2	MP3A	Z	5.176	1
3	MP3A	Mx	.004	1
4	MP3A	X	-2.989	5.5
5	MP3A	Z	5.176	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	-1.496	1
8	MP3B	Z	2.591	1
9	MP3B	Mx	-.001	1
10	MP3B	X	-1.496	5.5
11	MP3B	Z	2.591	5.5
12	MP3B	Mx	-.001	5.5
13	MP3C	X	-2.989	1
14	MP3C	Z	5.176	1
15	MP3C	Mx	-.001	1
16	MP3C	X	-2.989	5.5
17	MP3C	Z	5.176	5.5
18	MP3C	Mx	-.001	5.5
19	MP3A	X	-2.989	1
20	MP3A	Z	5.176	1
21	MP3A	Mx	-.001	1
22	MP3A	X	-2.989	5.5
23	MP3A	Z	5.176	5.5
24	MP3A	Mx	-.001	5.5
25	MP3B	X	-1.496	1
26	MP3B	Z	2.591	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-1.496	5.5
29	MP3B	Z	2.591	5.5
30	MP3B	Mx	-.001	5.5
31	MP3C	X	-2.989	1
32	MP3C	Z	5.176	1
33	MP3C	Mx	.004	1
34	MP3C	X	-2.989	5.5
35	MP3C	Z	5.176	5.5
36	MP3C	Mx	.004	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP3A	X	-1.827	1.5
38	MP3A	Z	3.164	1.5
39	MP3A	Mx	-0.000914	1.5
40	MP3B	X	-1.335	1.5
41	MP3B	Z	2.313	1.5
42	MP3B	Mx	.001	1.5
43	MP3C	X	-1.827	1.5
44	MP3C	Z	3.164	1.5
45	MP3C	Mx	-0.000913	1.5
46	MP3A	X	-1.759	4
47	MP3A	Z	3.047	4
48	MP3A	Mx	-0.000879	4
49	MP3B	X	-1.088	4
50	MP3B	Z	1.884	4
51	MP3B	Mx	.001	4
52	MP3C	X	-1.759	4
53	MP3C	Z	3.047	4
54	MP3C	Mx	-0.00088	4
55	M111	X	-4.439	1.5
56	M111	Z	7.689	1.5
57	M111	Mx	0	1.5
58	M318	X	-4.439	1.5
59	M318	Z	7.689	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-4.297	.5
62	MP5A	Z	7.443	.5
63	MP5A	Mx	.002	.5
64	MP5A	X	-4.297	5.5
65	MP5A	Z	7.443	5.5
66	MP5A	Mx	.002	5.5
67	MP5B	X	-2.66	.5
68	MP5B	Z	4.607	.5
69	MP5B	Mx	-.003	.5
70	MP5B	X	-2.66	5.5
71	MP5B	Z	4.607	5.5
72	MP5B	Mx	-.003	5.5
73	MP5C	X	-4.297	.5
74	MP5C	Z	7.443	.5
75	MP5C	Mx	.002	.5
76	MP5C	X	-4.297	5.5
77	MP5C	Z	7.443	5.5
78	MP5C	Mx	.002	5.5
79	MP1A	X	-2.097	2.5
80	MP1A	Z	3.632	2.5
81	MP1A	Mx	.001	2.5
82	MP1A	X	-2.097	3.5
83	MP1A	Z	3.632	3.5
84	MP1A	Mx	.001	3.5
85	MP1B	X	-.864	2.5
86	MP1B	Z	1.496	2.5
87	MP1B	Mx	-0.000864	2.5
88	MP1B	X	-.864	3.5
89	MP1B	Z	1.496	3.5
90	MP1B	Mx	-0.000864	3.5
91	MP1C	X	-2.097	2.5
92	MP1C	Z	3.632	2.5
93	MP1C	Mx	.001	2.5
94	MP1C	X	-2.097	3.5
95	MP1C	Z	3.632	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP1C	Mx	.001	3.5
97	M110A	X	-1.014	5.75
98	M110A	Z	1.757	5.75
99	M110A	Mx	.000253	5.75
100	M110A	X	-1.014	5.75
101	M110A	Z	1.757	5.75
102	M110A	Mx	-.000253	5.75
103	M136A	X	-.373	5.75
104	M136A	Z	.645	5.75
105	M136A	Mx	-.000186	5.75
106	M136A	X	-.373	5.75
107	M136A	Z	.645	5.75
108	M136A	Mx	.000186	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.453	1
2	MP3A	Z	1.993	1
3	MP3A	Mx	.003	1
4	MP3A	X	-3.453	5.5
5	MP3A	Z	1.993	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-3.453	1
8	MP3B	Z	1.993	1
9	MP3B	Mx	-.000729	1
10	MP3B	X	-3.453	5.5
11	MP3B	Z	1.993	5.5
12	MP3B	Mx	-.000729	5.5
13	MP3C	X	-6.038	1
14	MP3C	Z	3.486	1
15	MP3C	Mx	-.003	1
16	MP3C	X	-6.038	5.5
17	MP3C	Z	3.486	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-3.453	1
20	MP3A	Z	1.993	1
21	MP3A	Mx	.00073	1
22	MP3A	X	-3.453	5.5
23	MP3A	Z	1.993	5.5
24	MP3A	Mx	.00073	5.5
25	MP3B	X	-3.453	1
26	MP3B	Z	1.993	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-3.453	5.5
29	MP3B	Z	1.993	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-6.038	1
32	MP3C	Z	3.486	1
33	MP3C	Mx	.003	1
34	MP3C	X	-6.038	5.5
35	MP3C	Z	3.486	5.5
36	MP3C	Mx	.003	5.5
37	MP3A	X	-2.597	1.5
38	MP3A	Z	1.499	1.5
39	MP3A	Mx	-.001	1.5
40	MP3B	X	-2.597	1.5
41	MP3B	Z	1.499	1.5
42	MP3B	Mx	.001	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP3C	X	-3.447	1.5
44	MP3C	Z	1.99	1.5
45	MP3C	Mx	0	1.5
46	MP3A	X	-2.271	4
47	MP3A	Z	1.311	4
48	MP3A	Mx	-.001	4
49	MP3B	X	-2.271	4
50	MP3B	Z	1.311	4
51	MP3B	Mx	.001	4
52	MP3C	X	-3.435	4
53	MP3C	Z	1.983	4
54	MP3C	Mx	0	4
55	M111	X	-6.269	1.5
56	M111	Z	3.62	1.5
57	M111	Mx	0	1.5
58	M318	X	-6.269	1.5
59	M318	Z	3.62	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-5.552	.5
62	MP5A	Z	3.206	.5
63	MP5A	Mx	.003	.5
64	MP5A	X	-5.552	5.5
65	MP5A	Z	3.206	5.5
66	MP5A	Mx	.003	5.5
67	MP5B	X	-5.552	.5
68	MP5B	Z	3.206	.5
69	MP5B	Mx	-.003	.5
70	MP5B	X	-5.552	5.5
71	MP5B	Z	3.206	5.5
72	MP5B	Mx	-.003	5.5
73	MP5C	X	-8.388	.5
74	MP5C	Z	4.843	.5
75	MP5C	Mx	0	.5
76	MP5C	X	-8.388	5.5
77	MP5C	Z	4.843	5.5
78	MP5C	Mx	0	5.5
79	MP1A	X	-2.208	2.5
80	MP1A	Z	1.275	2.5
81	MP1A	Mx	.001	2.5
82	MP1A	X	-2.208	3.5
83	MP1A	Z	1.275	3.5
84	MP1A	Mx	.001	3.5
85	MP1B	X	-2.208	2.5
86	MP1B	Z	1.275	2.5
87	MP1B	Mx	-.001	2.5
88	MP1B	X	-2.208	3.5
89	MP1B	Z	1.275	3.5
90	MP1B	Mx	-.001	3.5
91	MP1C	X	-4.343	2.5
92	MP1C	Z	2.508	2.5
93	MP1C	Mx	0	2.5
94	MP1C	X	-4.343	3.5
95	MP1C	Z	2.508	3.5
96	MP1C	Mx	0	3.5
97	M110A	X	-1.016	5.75
98	M110A	Z	.586	5.75
99	M110A	Mx	.000254	5.75
100	M110A	X	-1.016	5.75
101	M110A	Z	.586	5.75



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
102	M110A	Mx	-.000254	5.75
103	M136A	X	-1.016	5.75
104	M136A	Z	.586	5.75
105	M136A	Mx	-.000254	5.75
106	M136A	X	-1.016	5.75
107	M136A	Z	.586	5.75
108	M136A	Mx	.000254	5.75

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
1	MP3A	X	-2.992	1
2	MP3A	Z	0	1
3	MP3A	Mx	.001	1
4	MP3A	X	-2.992	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.001	5.5
7	MP3B	X	-5.977	1
8	MP3B	Z	0	1
9	MP3B	Mx	.001	1
10	MP3B	X	-5.977	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.001	5.5
13	MP3C	X	-5.977	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.004	1
16	MP3C	X	-5.977	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.004	5.5
19	MP3A	X	-2.992	1
20	MP3A	Z	0	1
21	MP3A	Mx	.001	1
22	MP3A	X	-2.992	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.001	5.5
25	MP3B	X	-5.977	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-5.977	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.004	5.5
31	MP3C	X	-5.977	1
32	MP3C	Z	0	1
33	MP3C	Mx	.001	1
34	MP3C	X	-5.977	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.001	5.5
37	MP3A	X	-2.671	1.5
38	MP3A	Z	0	1.5
39	MP3A	Mx	-.001	1.5
40	MP3B	X	-3.653	1.5
41	MP3B	Z	0	1.5
42	MP3B	Mx	.000913	1.5
43	MP3C	X	-3.653	1.5
44	MP3C	Z	0	1.5
45	MP3C	Mx	.000913	1.5
46	MP3A	X	-2.175	4
47	MP3A	Z	0	4
48	MP3A	Mx	-.001	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft.%)
49	MP3B	X	-3.518	4
50	MP3B	Z	0	4
51	MP3B	Mx	.000879	4
52	MP3C	X	-3.518	4
53	MP3C	Z	0	4
54	MP3C	Mx	.000879	4
55	M111	X	-6.419	1.5
56	M111	Z	0	1.5
57	M111	Mx	0	1.5
58	M318	X	-6.419	1.5
59	M318	Z	0	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-5.32	.5
62	MP5A	Z	0	.5
63	MP5A	Mx	.003	.5
64	MP5A	X	-5.32	5.5
65	MP5A	Z	0	5.5
66	MP5A	Mx	.003	5.5
67	MP5B	X	-8.594	.5
68	MP5B	Z	0	.5
69	MP5B	Mx	-.002	.5
70	MP5B	X	-8.594	5.5
71	MP5B	Z	0	5.5
72	MP5B	Mx	-.002	5.5
73	MP5C	X	-8.594	.5
74	MP5C	Z	0	.5
75	MP5C	Mx	-.002	.5
76	MP5C	X	-8.594	5.5
77	MP5C	Z	0	5.5
78	MP5C	Mx	-.002	5.5
79	MP1A	X	-1.727	2.5
80	MP1A	Z	0	2.5
81	MP1A	Mx	.000864	2.5
82	MP1A	X	-1.727	3.5
83	MP1A	Z	0	3.5
84	MP1A	Mx	.000864	3.5
85	MP1B	X	-4.193	2.5
86	MP1B	Z	0	2.5
87	MP1B	Mx	-.001	2.5
88	MP1B	X	-4.193	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	-.001	3.5
91	MP1C	X	-4.193	2.5
92	MP1C	Z	0	2.5
93	MP1C	Mx	-.001	2.5
94	MP1C	X	-4.193	3.5
95	MP1C	Z	0	3.5
96	MP1C	Mx	-.001	3.5
97	M110A	X	-7.745	5.75
98	M110A	Z	0	5.75
99	M110A	Mx	.000186	5.75
100	M110A	X	-7.745	5.75
101	M110A	Z	0	5.75
102	M110A	Mx	-.000186	5.75
103	M136A	X	-2.029	5.75
104	M136A	Z	0	5.75
105	M136A	Mx	-.000254	5.75
106	M136A	X	-2.029	5.75
107	M136A	Z	0	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	M136A	Mx	.000254	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.453	1
2	MP3A	Z	-1.993	1
3	MP3A	Mx	.00073	1
4	MP3A	X	-3.453	5.5
5	MP3A	Z	-1.993	5.5
6	MP3A	Mx	.00073	5.5
7	MP3B	X	-6.038	1
8	MP3B	Z	-3.486	1
9	MP3B	Mx	.003	1
10	MP3B	X	-6.038	5.5
11	MP3B	Z	-3.486	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	-3.453	1
14	MP3C	Z	-1.993	1
15	MP3C	Mx	-.003	1
16	MP3C	X	-3.453	5.5
17	MP3C	Z	-1.993	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-3.453	1
20	MP3A	Z	-1.993	1
21	MP3A	Mx	.003	1
22	MP3A	X	-3.453	5.5
23	MP3A	Z	-1.993	5.5
24	MP3A	Mx	.003	5.5
25	MP3B	X	-6.038	1
26	MP3B	Z	-3.486	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-6.038	5.5
29	MP3B	Z	-3.486	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-3.453	1
32	MP3C	Z	-1.993	1
33	MP3C	Mx	-.000729	1
34	MP3C	X	-3.453	5.5
35	MP3C	Z	-1.993	5.5
36	MP3C	Mx	-.000729	5.5
37	MP3A	X	-2.597	1.5
38	MP3A	Z	-1.499	1.5
39	MP3A	Mx	-.001	1.5
40	MP3B	X	-3.447	1.5
41	MP3B	Z	-1.99	1.5
42	MP3B	Mx	0	1.5
43	MP3C	X	-2.597	1.5
44	MP3C	Z	-1.499	1.5
45	MP3C	Mx	.001	1.5
46	MP3A	X	-2.271	4
47	MP3A	Z	-1.311	4
48	MP3A	Mx	-.001	4
49	MP3B	X	-3.435	4
50	MP3B	Z	-1.983	4
51	MP3B	Mx	0	4
52	MP3C	X	-2.271	4
53	MP3C	Z	-1.311	4
54	MP3C	Mx	.001	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
55	M111	X	-6.269	1.5
56	M111	Z	-3.62	1.5
57	M111	Mx	0	1.5
58	M318	X	-6.269	1.5
59	M318	Z	-3.62	1.5
60	M318	Mx	0	1.5
61	MP5A	X	-5.552	.5
62	MP5A	Z	-3.206	.5
63	MP5A	Mx	.003	.5
64	MP5A	X	-5.552	5.5
65	MP5A	Z	-3.206	5.5
66	MP5A	Mx	.003	5.5
67	MP5B	X	-8.388	.5
68	MP5B	Z	-4.843	.5
69	MP5B	Mx	0	.5
70	MP5B	X	-8.388	5.5
71	MP5B	Z	-4.843	5.5
72	MP5B	Mx	0	5.5
73	MP5C	X	-5.552	.5
74	MP5C	Z	-3.206	.5
75	MP5C	Mx	-.003	.5
76	MP5C	X	-5.552	5.5
77	MP5C	Z	-3.206	5.5
78	MP5C	Mx	-.003	5.5
79	MP1A	X	-2.208	2.5
80	MP1A	Z	-1.275	2.5
81	MP1A	Mx	.001	2.5
82	MP1A	X	-2.208	3.5
83	MP1A	Z	-1.275	3.5
84	MP1A	Mx	.001	3.5
85	MP1B	X	-4.343	2.5
86	MP1B	Z	-2.508	2.5
87	MP1B	Mx	0	2.5
88	MP1B	X	-4.343	3.5
89	MP1B	Z	-2.508	3.5
90	MP1B	Mx	0	3.5
91	MP1C	X	-2.208	2.5
92	MP1C	Z	-1.275	2.5
93	MP1C	Mx	-.001	2.5
94	MP1C	X	-2.208	3.5
95	MP1C	Z	-1.275	3.5
96	MP1C	Mx	-.001	3.5
97	M110A	X	-1.016	5.75
98	M110A	Z	-.586	5.75
99	M110A	Mx	.000254	5.75
100	M110A	X	-1.016	5.75
101	M110A	Z	-.586	5.75
102	M110A	Mx	-.000254	5.75
103	M136A	X	-2.127	5.75
104	M136A	Z	-1.228	5.75
105	M136A	Mx	0	5.75
106	M136A	X	-2.127	5.75
107	M136A	Z	-1.228	5.75
108	M136A	Mx	0	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-2.989	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP3A	Z	-5.176	1
3	MP3A	Mx	-.001	1
4	MP3A	X	-2.989	5.5
5	MP3A	Z	-5.176	5.5
6	MP3A	Mx	-.001	5.5
7	MP3B	X	-2.989	1
8	MP3B	Z	-5.176	1
9	MP3B	Mx	.004	1
10	MP3B	X	-2.989	5.5
11	MP3B	Z	-5.176	5.5
12	MP3B	Mx	.004	5.5
13	MP3C	X	-1.496	1
14	MP3C	Z	-2.591	1
15	MP3C	Mx	-.001	1
16	MP3C	X	-1.496	5.5
17	MP3C	Z	-2.591	5.5
18	MP3C	Mx	-.001	5.5
19	MP3A	X	-2.989	1
20	MP3A	Z	-5.176	1
21	MP3A	Mx	.004	1
22	MP3A	X	-2.989	5.5
23	MP3A	Z	-5.176	5.5
24	MP3A	Mx	.004	5.5
25	MP3B	X	-2.989	1
26	MP3B	Z	-5.176	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-2.989	5.5
29	MP3B	Z	-5.176	5.5
30	MP3B	Mx	-.001	5.5
31	MP3C	X	-1.496	1
32	MP3C	Z	-2.591	1
33	MP3C	Mx	-.001	1
34	MP3C	X	-1.496	5.5
35	MP3C	Z	-2.591	5.5
36	MP3C	Mx	-.001	5.5
37	MP3A	X	-1.827	1.5
38	MP3A	Z	-3.164	1.5
39	MP3A	Mx	-.000914	1.5
40	MP3B	X	-1.827	1.5
41	MP3B	Z	-3.164	1.5
42	MP3B	Mx	-.000913	1.5
43	MP3C	X	-1.335	1.5
44	MP3C	Z	-2.313	1.5
45	MP3C	Mx	.001	1.5
46	MP3A	X	-1.759	4
47	MP3A	Z	-3.047	4
48	MP3A	Mx	-.000879	4
49	MP3B	X	-1.759	4
50	MP3B	Z	-3.047	4
51	MP3B	Mx	-.00088	4
52	MP3C	X	-1.088	4
53	MP3C	Z	-1.884	4
54	MP3C	Mx	.001	4
55	M111	X	-4.439	1.5
56	M111	Z	-7.689	1.5
57	M111	Mx	0	1.5
58	M318	X	-4.439	1.5
59	M318	Z	-7.689	1.5
60	M318	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
61	MP5A	X	-4.297	.5
62	MP5A	Z	-7.443	.5
63	MP5A	Mx	.002	.5
64	MP5A	X	-4.297	5.5
65	MP5A	Z	-7.443	5.5
66	MP5A	Mx	.002	5.5
67	MP5B	X	-4.297	.5
68	MP5B	Z	-7.443	.5
69	MP5B	Mx	.002	.5
70	MP5B	X	-4.297	5.5
71	MP5B	Z	-7.443	5.5
72	MP5B	Mx	.002	5.5
73	MP5C	X	-2.66	.5
74	MP5C	Z	-4.607	.5
75	MP5C	Mx	-.003	.5
76	MP5C	X	-2.66	5.5
77	MP5C	Z	-4.607	5.5
78	MP5C	Mx	-.003	5.5
79	MP1A	X	-2.097	2.5
80	MP1A	Z	-3.632	2.5
81	MP1A	Mx	.001	2.5
82	MP1A	X	-2.097	3.5
83	MP1A	Z	-3.632	3.5
84	MP1A	Mx	.001	3.5
85	MP1B	X	-2.097	2.5
86	MP1B	Z	-3.632	2.5
87	MP1B	Mx	.001	2.5
88	MP1B	X	-2.097	3.5
89	MP1B	Z	-3.632	3.5
90	MP1B	Mx	.001	3.5
91	MP1C	X	-.864	2.5
92	MP1C	Z	-1.496	2.5
93	MP1C	Mx	-.000864	2.5
94	MP1C	X	-.864	3.5
95	MP1C	Z	-1.496	3.5
96	MP1C	Mx	-.000864	3.5
97	M110A	X	-1.014	5.75
98	M110A	Z	-1.757	5.75
99	M110A	Mx	.000253	5.75
100	M110A	X	-1.014	5.75
101	M110A	Z	-1.757	5.75
102	M110A	Mx	-.000253	5.75
103	M136A	X	-1.014	5.75
104	M136A	Z	-1.757	5.75
105	M136A	Mx	.000254	5.75
106	M136A	X	-1.014	5.75
107	M136A	Z	-1.757	5.75
108	M136A	Mx	-.000254	5.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M78B	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M80	Y	-500	0



Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M76B	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M76B	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-.937	1
2	MP3A	My	-.000468	1
3	MP3A	Mz	.000468	1
4	MP3A	Y	-.937	5.5
5	MP3A	My	-.000468	5.5
6	MP3A	Mz	.000468	5.5
7	MP3B	Y	-.937	1
8	MP3B	My	-.000171	1
9	MP3B	Mz	-.00064	1
10	MP3B	Y	-.937	5.5
11	MP3B	My	-.000171	5.5
12	MP3B	Mz	-.00064	5.5
13	MP3C	Y	-.937	1
14	MP3C	My	.00064	1
15	MP3C	Mz	.000171	1
16	MP3C	Y	-.937	5.5
17	MP3C	My	.00064	5.5
18	MP3C	Mz	.000171	5.5
19	MP3A	Y	-.937	1
20	MP3A	My	-.000468	1
21	MP3A	Mz	-.000468	1
22	MP3A	Y	-.937	5.5
23	MP3A	My	-.000468	5.5
24	MP3A	Mz	-.000468	5.5
25	MP3B	Y	-.937	1
26	MP3B	My	.00064	1
27	MP3B	Mz	-.000171	1
28	MP3B	Y	-.937	5.5
29	MP3B	My	.00064	5.5
30	MP3B	Mz	-.000171	5.5
31	MP3C	Y	-.937	1
32	MP3C	My	-.000171	1
33	MP3C	Mz	.00064	1
34	MP3C	Y	-.937	5.5
35	MP3C	My	-.000171	5.5
36	MP3C	Mz	.00064	5.5
37	MP3A	Y	-3.619	1.5
38	MP3A	My	.002	1.5
39	MP3A	Mz	0	1.5
40	MP3B	Y	-3.619	1.5
41	MP3B	My	-.000905	1.5
42	MP3B	Mz	.002	1.5
43	MP3C	Y	-3.619	1.5
44	MP3C	My	-.000905	1.5
45	MP3C	Mz	-.002	1.5
46	MP3A	Y	-3.014	4
47	MP3A	My	.002	4
48	MP3A	Mz	0	4
49	MP3B	Y	-3.014	4
50	MP3B	My	-.000754	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
51	MP3B	Mz	.001	4
52	MP3C	Y	-3.014	4
53	MP3C	My	-.000754	4
54	MP3C	Mz	-.001	4
55	M111	Y	-1.372	1.5
56	M111	My	0	1.5
57	M111	Mz	0	1.5
58	M318	Y	-1.372	1.5
59	M318	My	0	1.5
60	M318	Mz	0	1.5
61	MP5A	Y	-.364	.5
62	MP5A	My	-.000182	.5
63	MP5A	Mz	0	.5
64	MP5A	Y	-.364	5.5
65	MP5A	My	-.000182	5.5
66	MP5A	Mz	0	5.5
67	MP5B	Y	-.364	.5
68	MP5B	My	9.1e-5	.5
69	MP5B	Mz	-.000158	.5
70	MP5B	Y	-.364	5.5
71	MP5B	My	9.1e-5	5.5
72	MP5B	Mz	-.000158	5.5
73	MP5C	Y	-.364	.5
74	MP5C	My	9.1e-5	.5
75	MP5C	Mz	.000158	.5
76	MP5C	Y	-.364	5.5
77	MP5C	My	9.1e-5	5.5
78	MP5C	Mz	.000158	5.5
79	MP1A	Y	-1.867	2.5
80	MP1A	My	-.000934	2.5
81	MP1A	Mz	0	2.5
82	MP1A	Y	-1.867	3.5
83	MP1A	My	-.000934	3.5
84	MP1A	Mz	0	3.5
85	MP1B	Y	-1.867	2.5
86	MP1B	My	.000467	2.5
87	MP1B	Mz	-.000809	2.5
88	MP1B	Y	-1.867	3.5
89	MP1B	My	.000467	3.5
90	MP1B	Mz	-.000809	3.5
91	MP1C	Y	-1.867	2.5
92	MP1C	My	.000467	2.5
93	MP1C	Mz	.000809	2.5
94	MP1C	Y	-1.867	3.5
95	MP1C	My	.000467	3.5
96	MP1C	Mz	.000809	3.5
97	M110A	Y	-.755	5.75
98	M110A	My	-.000189	5.75
99	M110A	Mz	0	5.75
100	M110A	Y	-.755	5.75
101	M110A	My	.000189	5.75
102	M110A	Mz	0	5.75
103	M136A	Y	-.755	5.75
104	M136A	My	9.4e-5	5.75
105	M136A	Mz	-.000163	5.75
106	M136A	Y	-.755	5.75
107	M136A	My	-9.4e-5	5.75
108	M136A	Mz	.000163	5.75



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Z	-2.342	1
2	MP3A	Mx	-.001	1
3	MP3A	Z	-2.342	5.5
4	MP3A	Mx	-.001	5.5
5	MP3B	Z	-2.342	1
6	MP3B	Mx	.002	1
7	MP3B	Z	-2.342	5.5
8	MP3B	Mx	.002	5.5
9	MP3C	Z	-2.342	1
10	MP3C	Mx	-.000429	1
11	MP3C	Z	-2.342	5.5
12	MP3C	Mx	-.000429	5.5
13	MP3A	Z	-2.342	1
14	MP3A	Mx	.001	1
15	MP3A	Z	-2.342	5.5
16	MP3A	Mx	.001	5.5
17	MP3B	Z	-2.342	1
18	MP3B	Mx	.000429	1
19	MP3B	Z	-2.342	5.5
20	MP3B	Mx	.000429	5.5
21	MP3C	Z	-2.342	1
22	MP3C	Mx	-.002	1
23	MP3C	Z	-2.342	5.5
24	MP3C	Mx	-.002	5.5
25	MP3A	Z	-9.048	1.5
26	MP3A	Mx	0	1.5
27	MP3B	Z	-9.048	1.5
28	MP3B	Mx	-.004	1.5
29	MP3C	Z	-9.048	1.5
30	MP3C	Mx	.004	1.5
31	MP3A	Z	-7.536	4
32	MP3A	Mx	0	4
33	MP3B	Z	-7.536	4
34	MP3B	Mx	-.003	4
35	MP3C	Z	-7.536	4
36	MP3C	Mx	.003	4
37	M111	Z	-3.43	1.5
38	M111	Mx	0	1.5
39	M318	Z	-3.43	1.5
40	M318	Mx	0	1.5
41	MP5A	Z	-.911	.5
42	MP5A	Mx	0	.5
43	MP5A	Z	-.911	5.5
44	MP5A	Mx	0	5.5
45	MP5B	Z	-.911	.5
46	MP5B	Mx	.000395	.5
47	MP5B	Z	-.911	5.5
48	MP5B	Mx	.000395	5.5
49	MP5C	Z	-.911	.5
50	MP5C	Mx	-.000395	.5
51	MP5C	Z	-.911	5.5
52	MP5C	Mx	-.000395	5.5
53	MP1A	Z	-4.669	2.5
54	MP1A	Mx	0	2.5
55	MP1A	Z	-4.669	3.5
56	MP1A	Mx	0	3.5
57	MP1B	Z	-4.669	2.5
58	MP1B	Mx	.002	2.5
59	MP1B	Z	-4.669	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP1B	Mx	.002	3.5
61	MP1C	Z	-4.669	2.5
62	MP1C	Mx	-.002	2.5
63	MP1C	Z	-4.669	3.5
64	MP1C	Mx	-.002	3.5
65	M110A	Z	-1.887	5.75
66	M110A	Mx	0	5.75
67	M110A	Z	-1.887	5.75
68	M110A	Mx	0	5.75
69	M136A	Z	-1.887	5.75
70	M136A	Mx	.000408	5.75
71	M136A	Z	-1.887	5.75
72	M136A	Mx	-.000408	5.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	2.342	1
2	MP3A	Mx	-.001	1
3	MP3A	X	2.342	5.5
4	MP3A	Mx	-.001	5.5
5	MP3B	X	2.342	1
6	MP3B	Mx	-.000429	1
7	MP3B	X	2.342	5.5
8	MP3B	Mx	-.000429	5.5
9	MP3C	X	2.342	1
10	MP3C	Mx	.002	1
11	MP3C	X	2.342	5.5
12	MP3C	Mx	.002	5.5
13	MP3A	X	2.342	1
14	MP3A	Mx	-.001	1
15	MP3A	X	2.342	5.5
16	MP3A	Mx	-.001	5.5
17	MP3B	X	2.342	1
18	MP3B	Mx	.002	1
19	MP3B	X	2.342	5.5
20	MP3B	Mx	.002	5.5
21	MP3C	X	2.342	1
22	MP3C	Mx	-.000429	1
23	MP3C	X	2.342	5.5
24	MP3C	Mx	-.000429	5.5
25	MP3A	X	9.048	1.5
26	MP3A	Mx	.005	1.5
27	MP3B	X	9.048	1.5
28	MP3B	Mx	-.002	1.5
29	MP3C	X	9.048	1.5
30	MP3C	Mx	-.002	1.5
31	MP3A	X	7.536	4
32	MP3A	Mx	.004	4
33	MP3B	X	7.536	4
34	MP3B	Mx	-.002	4
35	MP3C	X	7.536	4
36	MP3C	Mx	-.002	4
37	M111	X	3.43	1.5
38	M111	Mx	0	1.5
39	M318	X	3.43	1.5
40	M318	Mx	0	1.5
41	MP5A	X	.911	.5
42	MP5A	Mx	-.000456	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
43	MP5A	X	.911	5.5
44	MP5A	Mx	-.000456	5.5
45	MP5B	X	.911	.5
46	MP5B	Mx	.000228	.5
47	MP5B	X	.911	5.5
48	MP5B	Mx	.000228	5.5
49	MP5C	X	.911	.5
50	MP5C	Mx	.000228	.5
51	MP5C	X	.911	5.5
52	MP5C	Mx	.000228	5.5
53	MP1A	X	4.669	2.5
54	MP1A	Mx	-.002	2.5
55	MP1A	X	4.669	3.5
56	MP1A	Mx	-.002	3.5
57	MP1B	X	4.669	2.5
58	MP1B	Mx	.001	2.5
59	MP1B	X	4.669	3.5
60	MP1B	Mx	.001	3.5
61	MP1C	X	4.669	2.5
62	MP1C	Mx	.001	2.5
63	MP1C	X	4.669	3.5
64	MP1C	Mx	.001	3.5
65	M110A	X	1.887	5.75
66	M110A	Mx	-.000472	5.75
67	M110A	X	1.887	5.75
68	M110A	Mx	.000472	5.75
69	M136A	X	1.887	5.75
70	M136A	Mx	.000236	5.75
71	M136A	X	1.887	5.75
72	M136A	Mx	-.000236	5.75

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	Y	-9.408	-9.408	0	%100
2	M10	Y	-9.408	-9.408	0	%100
3	M43	Y	-9.408	-9.408	0	%100
4	M46	Y	-9.912	-9.912	0	%100
5	M51B	Y	-5.489	-5.489	0	%100
6	M52B	Y	-5.489	-5.489	0	%100
7	M76	Y	-9.899	-9.899	0	%100
8	M77	Y	-9.899	-9.899	0	%100
9	M84	Y	-9.899	-9.899	0	%100
10	M85	Y	-9.899	-9.899	0	%100
11	M52A	Y	-9.408	-9.408	0	%100
12	M53	Y	-9.408	-9.408	0	%100
13	M54	Y	-9.408	-9.408	0	%100
14	M55	Y	-9.912	-9.912	0	%100
15	M58A	Y	-5.489	-5.489	0	%100
16	M59A	Y	-5.489	-5.489	0	%100
17	M63	Y	-9.899	-9.899	0	%100
18	M64	Y	-9.899	-9.899	0	%100
19	M68	Y	-9.899	-9.899	0	%100
20	M69	Y	-9.899	-9.899	0	%100
21	M76A	Y	-9.408	-9.408	0	%100
22	M77A	Y	-9.408	-9.408	0	%100
23	M78	Y	-9.408	-9.408	0	%100
24	M79A	Y	-9.912	-9.912	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
25	M82	Y	-5.489	-5.489	0	%100
26	M83A	Y	-5.489	-5.489	0	%100
27	M87	Y	-9.899	-9.899	0	%100
28	M88A	Y	-9.899	-9.899	0	%100
29	M90	Y	-9.912	-9.912	0	%100
30	M92A	Y	-9.899	-9.899	0	%100
31	M93	Y	-9.899	-9.899	0	%100
32	M66	Y	-9.912	-9.912	0	%100
33	M68A	Y	-9.912	-9.912	0	%100
34	M70A	Y	-9.912	-9.912	0	%100
35	M72	Y	-9.912	-9.912	0	%100
36	M74A	Y	-9.912	-9.912	0	%100
37	M76B	Y	-6.42	-6.42	0	%100
38	M77B	Y	-6.42	-6.42	0	%100
39	M78A	Y	-6.42	-6.42	0	%100
40	MP1A	Y	-4.861	-4.861	0	%100
41	MP2A	Y	-4.861	-4.861	0	%100
42	MP3A	Y	-4.861	-4.861	0	%100
43	MP4A	Y	-4.861	-4.861	0	%100
44	MP5A	Y	-4.861	-4.861	0	%100
45	MP1C	Y	-4.861	-4.861	0	%100
46	MP2C	Y	-4.861	-4.861	0	%100
47	MP3C	Y	-4.861	-4.861	0	%100
48	MP5C	Y	-4.861	-4.861	0	%100
49	MP1B	Y	-4.861	-4.861	0	%100
50	MP2B	Y	-4.861	-4.861	0	%100
51	MP3B	Y	-4.861	-4.861	0	%100
52	MP4B	Y	-4.861	-4.861	0	%100
53	MP5B	Y	-4.861	-4.861	0	%100
54	MP4C	Y	-4.861	-4.861	0	%100
55	M318	Y	-4.861	-4.861	0	%100
56	M111	Y	-4.861	-4.861	0	%100
57	M110A	Y	-5.554	-5.554	0	%100
58	M134	Y	-7.449	-7.449	0	%100
59	M135	Y	-7.449	-7.449	0	%100
60	M136	Y	-7.449	-7.449	0	%100
61	M135A	Y	-5.554	-5.554	0	%100
62	M136A	Y	-5.554	-5.554	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-12.316	-12.316	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-12.316	-12.316	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-24.565	-24.565	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-3.41	-3.41	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-3.41	-3.41	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-6.255	-6.255	0	%100
17	M84	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
77	M78A	X	0	0	0	%100
78	M78A	Z	-3.502	-3.502	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-9.724	-9.724	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-9.724	-9.724	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-9.724	-9.724	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-9.724	-9.724	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-9.724	-9.724	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-9.724	-9.724	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-9.724	-9.724	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-9.724	-9.724	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-9.724	-9.724	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-9.724	-9.724	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-9.724	-9.724	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-9.724	-9.724	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-9.724	-9.724	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-9.724	-9.724	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-9.724	-9.724	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-7.951	-7.951	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-7.951	-7.951	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-11.771	-11.771	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	-3.267	-3.267	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	-3.267	-3.267	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-13.067	-13.067	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	-2.943	-2.943	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	-2.943	-2.943	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	1.819	1.819	0	%100
2	M4	Z	-3.151	-3.151	0	%100
3	M10	X	4.618	4.618	0	%100
4	M10	Z	-7.999	-7.999	0	%100
5	M43	X	4.618	4.618	0	%100
6	M43	Z	-7.999	-7.999	0	%100
7	M46	X	9.212	9.212	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft,%]	End Location[ft,%]
8	M46	Z	-15.955	-15.955	0 %100
9	M51B	X	5.115	5.115	0 %100
10	M51B	Z	-8.86	-8.86	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	3.071	3.071	0 %100
14	M76	Z	-5.318	-5.318	0 %100
15	M77	X	9.382	9.382	0 %100
16	M77	Z	-16.251	-16.251	0 %100
17	M84	X	3.071	3.071	0 %100
18	M84	Z	-5.318	-5.318	0 %100
19	M85	X	0	0	0 %100
20	M85	Z	0	0	0 %100
21	M52A	X	1.819	1.819	0 %100
22	M52A	Z	-3.151	-3.151	0 %100
23	M53	X	4.618	4.618	0 %100
24	M53	Z	-7.999	-7.999	0 %100
25	M54	X	4.618	4.618	0 %100
26	M54	Z	-7.999	-7.999	0 %100
27	M55	X	9.212	9.212	0 %100
28	M55	Z	-15.955	-15.955	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	0	0	0 %100
31	M59A	X	5.115	5.115	0 %100
32	M59A	Z	-8.86	-8.86	0 %100
33	M63	X	3.071	3.071	0 %100
34	M63	Z	-5.318	-5.318	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	0	0	0 %100
37	M68	X	3.071	3.071	0 %100
38	M68	Z	-5.318	-5.318	0 %100
39	M69	X	9.382	9.382	0 %100
40	M69	Z	-16.251	-16.251	0 %100
41	M76A	X	7.277	7.277	0 %100
42	M76A	Z	-12.605	-12.605	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	0	0	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	0	0	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	0	0	0 %100
49	M82	X	5.115	5.115	0 %100
50	M82	Z	-8.86	-8.86	0 %100
51	M83A	X	5.115	5.115	0 %100
52	M83A	Z	-8.86	-8.86	0 %100
53	M87	X	12.282	12.282	0 %100
54	M87	Z	-21.274	-21.274	0 %100
55	M88A	X	9.382	9.382	0 %100
56	M88A	Z	-16.251	-16.251	0 %100
57	M90	X	9.724	9.724	0 %100
58	M90	Z	-16.842	-16.842	0 %100
59	M92A	X	12.282	12.282	0 %100
60	M92A	Z	-21.274	-21.274	0 %100
61	M93	X	9.382	9.382	0 %100
62	M93	Z	-16.251	-16.251	0 %100
63	M66	X	9.724	9.724	0 %100
64	M66	Z	-16.842	-16.842	0 %100
65	M68A	X	9.724	9.724	0 %100
66	M68A	Z	-16.842	-16.842	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)	
67	M70A	X	9.724	9.724	0	%100
68	M70A	Z	-16.842	-16.842	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	5.254	5.254	0	%100
74	M76B	Z	-9.1	-9.1	0	%100
75	M77B	X	5.254	5.254	0	%100
76	M77B	Z	-9.1	-9.1	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	4.862	4.862	0	%100
80	MP1A	Z	-8.421	-8.421	0	%100
81	MP2A	X	4.862	4.862	0	%100
82	MP2A	Z	-8.421	-8.421	0	%100
83	MP3A	X	4.862	4.862	0	%100
84	MP3A	Z	-8.421	-8.421	0	%100
85	MP4A	X	4.862	4.862	0	%100
86	MP4A	Z	-8.421	-8.421	0	%100
87	MP5A	X	4.862	4.862	0	%100
88	MP5A	Z	-8.421	-8.421	0	%100
89	MP1C	X	4.862	4.862	0	%100
90	MP1C	Z	-8.421	-8.421	0	%100
91	MP2C	X	4.862	4.862	0	%100
92	MP2C	Z	-8.421	-8.421	0	%100
93	MP3C	X	4.862	4.862	0	%100
94	MP3C	Z	-8.421	-8.421	0	%100
95	MP5C	X	4.862	4.862	0	%100
96	MP5C	Z	-8.421	-8.421	0	%100
97	MP1B	X	4.862	4.862	0	%100
98	MP1B	Z	-8.421	-8.421	0	%100
99	MP2B	X	4.862	4.862	0	%100
100	MP2B	Z	-8.421	-8.421	0	%100
101	MP3B	X	4.862	4.862	0	%100
102	MP3B	Z	-8.421	-8.421	0	%100
103	MP4B	X	4.862	4.862	0	%100
104	MP4B	Z	-8.421	-8.421	0	%100
105	MP5B	X	4.862	4.862	0	%100
106	MP5B	Z	-8.421	-8.421	0	%100
107	MP4C	X	4.862	4.862	0	%100
108	MP4C	Z	-8.421	-8.421	0	%100
109	M318	X	3.976	3.976	0	%100
110	M318	Z	-6.886	-6.886	0	%100
111	M111	X	3.976	3.976	0	%100
112	M111	Z	-6.886	-6.886	0	%100
113	M110A	X	4.414	4.414	0	%100
114	M110A	Z	-7.645	-7.645	0	%100
115	M134	X	4.9	4.9	0	%100
116	M134	Z	-8.487	-8.487	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	4.9	4.9	0	%100
120	M136	Z	-8.487	-8.487	0	%100
121	M135A	X	4.414	4.414	0	%100
122	M135A	Z	-7.645	-7.645	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	9.454	9.454	0	%100
2	M4	Z	-5.458	-5.458	0	%100
3	M10	X	2.666	2.666	0	%100
4	M10	Z	-1.539	-1.539	0	%100
5	M43	X	2.666	2.666	0	%100
6	M43	Z	-1.539	-1.539	0	%100
7	M46	X	5.318	5.318	0	%100
8	M46	Z	-3.071	-3.071	0	%100
9	M51B	X	11.813	11.813	0	%100
10	M51B	Z	-6.82	-6.82	0	%100
11	M52B	X	2.953	2.953	0	%100
12	M52B	Z	-1.705	-1.705	0	%100
13	M76	X	15.955	15.955	0	%100
14	M76	Z	-9.212	-9.212	0	%100
15	M77	X	21.668	21.668	0	%100
16	M77	Z	-12.51	-12.51	0	%100
17	M84	X	15.955	15.955	0	%100
18	M84	Z	-9.212	-9.212	0	%100
19	M85	X	5.417	5.417	0	%100
20	M85	Z	-3.127	-3.127	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	10.666	10.666	0	%100
24	M53	Z	-6.158	-6.158	0	%100
25	M54	X	10.666	10.666	0	%100
26	M54	Z	-6.158	-6.158	0	%100
27	M55	X	21.274	21.274	0	%100
28	M55	Z	-12.282	-12.282	0	%100
29	M58A	X	2.953	2.953	0	%100
30	M58A	Z	-1.705	-1.705	0	%100
31	M59A	X	2.953	2.953	0	%100
32	M59A	Z	-1.705	-1.705	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	5.417	5.417	0	%100
36	M64	Z	-3.127	-3.127	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	5.417	5.417	0	%100
40	M69	Z	-3.127	-3.127	0	%100
41	M76A	X	9.454	9.454	0	%100
42	M76A	Z	-5.458	-5.458	0	%100
43	M77A	X	2.666	2.666	0	%100
44	M77A	Z	-1.539	-1.539	0	%100
45	M78	X	2.666	2.666	0	%100
46	M78	Z	-1.539	-1.539	0	%100
47	M79A	X	5.318	5.318	0	%100
48	M79A	Z	-3.071	-3.071	0	%100
49	M82	X	2.953	2.953	0	%100
50	M82	Z	-1.705	-1.705	0	%100
51	M83A	X	11.813	11.813	0	%100
52	M83A	Z	-6.82	-6.82	0	%100
53	M87	X	15.955	15.955	0	%100
54	M87	Z	-9.212	-9.212	0	%100
55	M88A	X	5.417	5.417	0	%100
56	M88A	Z	-3.127	-3.127	0	%100
57	M90	X	5.614	5.614	0	%100
58	M90	Z	-3.241	-3.241	0	%100
59	M92A	X	15.955	15.955	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
60	M92A	Z	-9.212	-9.212	0 %100
61	M93	X	21.668	21.668	0 %100
62	M93	Z	-12.51	-12.51	0 %100
63	M66	X	5.614	5.614	0 %100
64	M66	Z	-3.241	-3.241	0 %100
65	M68A	X	22.456	22.456	0 %100
66	M68A	Z	-12.965	-12.965	0 %100
67	M70A	X	22.456	22.456	0 %100
68	M70A	Z	-12.965	-12.965	0 %100
69	M72	X	5.614	5.614	0 %100
70	M72	Z	-3.241	-3.241	0 %100
71	M74A	X	5.614	5.614	0 %100
72	M74A	Z	-3.241	-3.241	0 %100
73	M76B	X	3.033	3.033	0 %100
74	M76B	Z	-1.751	-1.751	0 %100
75	M77B	X	12.133	12.133	0 %100
76	M77B	Z	-7.005	-7.005	0 %100
77	M78A	X	3.033	3.033	0 %100
78	M78A	Z	-1.751	-1.751	0 %100
79	MP1A	X	8.421	8.421	0 %100
80	MP1A	Z	-4.862	-4.862	0 %100
81	MP2A	X	8.421	8.421	0 %100
82	MP2A	Z	-4.862	-4.862	0 %100
83	MP3A	X	8.421	8.421	0 %100
84	MP3A	Z	-4.862	-4.862	0 %100
85	MP4A	X	8.421	8.421	0 %100
86	MP4A	Z	-4.862	-4.862	0 %100
87	MP5A	X	8.421	8.421	0 %100
88	MP5A	Z	-4.862	-4.862	0 %100
89	MP1C	X	8.421	8.421	0 %100
90	MP1C	Z	-4.862	-4.862	0 %100
91	MP2C	X	8.421	8.421	0 %100
92	MP2C	Z	-4.862	-4.862	0 %100
93	MP3C	X	8.421	8.421	0 %100
94	MP3C	Z	-4.862	-4.862	0 %100
95	MP5C	X	8.421	8.421	0 %100
96	MP5C	Z	-4.862	-4.862	0 %100
97	MP1B	X	8.421	8.421	0 %100
98	MP1B	Z	-4.862	-4.862	0 %100
99	MP2B	X	8.421	8.421	0 %100
100	MP2B	Z	-4.862	-4.862	0 %100
101	MP3B	X	8.421	8.421	0 %100
102	MP3B	Z	-4.862	-4.862	0 %100
103	MP4B	X	8.421	8.421	0 %100
104	MP4B	Z	-4.862	-4.862	0 %100
105	MP5B	X	8.421	8.421	0 %100
106	MP5B	Z	-4.862	-4.862	0 %100
107	MP4C	X	8.421	8.421	0 %100
108	MP4C	Z	-4.862	-4.862	0 %100
109	M318	X	6.886	6.886	0 %100
110	M318	Z	-3.976	-3.976	0 %100
111	M111	X	6.886	6.886	0 %100
112	M111	Z	-3.976	-3.976	0 %100
113	M110A	X	2.548	2.548	0 %100
114	M110A	Z	-1.471	-1.471	0 %100
115	M134	X	11.317	11.317	0 %100
116	M134	Z	-6.534	-6.534	0 %100
117	M135	X	2.829	2.829	0 %100
118	M135	Z	-1.633	-1.633	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
119	M136	X	2.829	2.829	0	%100
120	M136	Z	-1.633	-1.633	0	%100
121	M135A	X	10.194	10.194	0	%100
122	M135A	Z	-5.885	-5.885	0	%100
123	M136A	X	2.548	2.548	0	%100
124	M136A	Z	-1.471	-1.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	14.555	14.555	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	10.23	10.23	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	10.23	10.23	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	24.565	24.565	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	18.765	18.765	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	24.565	24.565	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	18.765	18.765	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	3.639	3.639	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	9.237	9.237	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	9.237	9.237	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	18.424	18.424	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	10.23	10.23	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	6.141	6.141	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	18.765	18.765	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	6.141	6.141	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	3.639	3.639	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	9.237	9.237	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	9.237	9.237	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	18.424	18.424	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
50	M82	Z	0	0	%100
51	M83A	X	10.23	10.23	%100
52	M83A	Z	0	0	%100
53	M87	X	6.141	6.141	%100
54	M87	Z	0	0	%100
55	M88A	X	0	0	%100
56	M88A	Z	0	0	%100
57	M90	X	0	0	%100
58	M90	Z	0	0	%100
59	M92A	X	6.141	6.141	%100
60	M92A	Z	0	0	%100
61	M93	X	18.765	18.765	%100
62	M93	Z	0	0	%100
63	M66	X	0	0	%100
64	M66	Z	0	0	%100
65	M68A	X	19.448	19.448	%100
66	M68A	Z	0	0	%100
67	M70A	X	19.448	19.448	%100
68	M70A	Z	0	0	%100
69	M72	X	19.448	19.448	%100
70	M72	Z	0	0	%100
71	M74A	X	19.448	19.448	%100
72	M74A	Z	0	0	%100
73	M76B	X	0	0	%100
74	M76B	Z	0	0	%100
75	M77B	X	10.507	10.507	%100
76	M77B	Z	0	0	%100
77	M78A	X	10.507	10.507	%100
78	M78A	Z	0	0	%100
79	MP1A	X	9.724	9.724	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	9.724	9.724	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	9.724	9.724	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	9.724	9.724	%100
86	MP4A	Z	0	0	%100
87	MP5A	X	9.724	9.724	%100
88	MP5A	Z	0	0	%100
89	MP1C	X	9.724	9.724	%100
90	MP1C	Z	0	0	%100
91	MP2C	X	9.724	9.724	%100
92	MP2C	Z	0	0	%100
93	MP3C	X	9.724	9.724	%100
94	MP3C	Z	0	0	%100
95	MP5C	X	9.724	9.724	%100
96	MP5C	Z	0	0	%100
97	MP1B	X	9.724	9.724	%100
98	MP1B	Z	0	0	%100
99	MP2B	X	9.724	9.724	%100
100	MP2B	Z	0	0	%100
101	MP3B	X	9.724	9.724	%100
102	MP3B	Z	0	0	%100
103	MP4B	X	9.724	9.724	%100
104	MP4B	Z	0	0	%100
105	MP5B	X	9.724	9.724	%100
106	MP5B	Z	0	0	%100
107	MP4C	X	9.724	9.724	%100
108	MP4C	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M318	X	7.951	7.951	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	7.951	7.951	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	9.8	9.8	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	9.8	9.8	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	8.828	8.828	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	8.828	8.828	0	%100
124	M136A	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	9.454	9.454	0	%100
2	M4	Z	5.458	5.458	0	%100
3	M10	X	2.666	2.666	0	%100
4	M10	Z	1.539	1.539	0	%100
5	M43	X	2.666	2.666	0	%100
6	M43	Z	1.539	1.539	0	%100
7	M46	X	5.318	5.318	0	%100
8	M46	Z	3.071	3.071	0	%100
9	M51B	X	2.953	2.953	0	%100
10	M51B	Z	1.705	1.705	0	%100
11	M52B	X	11.813	11.813	0	%100
12	M52B	Z	6.82	6.82	0	%100
13	M76	X	15.955	15.955	0	%100
14	M76	Z	9.212	9.212	0	%100
15	M77	X	5.417	5.417	0	%100
16	M77	Z	3.127	3.127	0	%100
17	M84	X	15.955	15.955	0	%100
18	M84	Z	9.212	9.212	0	%100
19	M85	X	21.668	21.668	0	%100
20	M85	Z	12.51	12.51	0	%100
21	M52A	X	9.454	9.454	0	%100
22	M52A	Z	5.458	5.458	0	%100
23	M53	X	2.666	2.666	0	%100
24	M53	Z	1.539	1.539	0	%100
25	M54	X	2.666	2.666	0	%100
26	M54	Z	1.539	1.539	0	%100
27	M55	X	5.318	5.318	0	%100
28	M55	Z	3.071	3.071	0	%100
29	M58A	X	11.813	11.813	0	%100
30	M58A	Z	6.82	6.82	0	%100
31	M59A	X	2.953	2.953	0	%100
32	M59A	Z	1.705	1.705	0	%100
33	M63	X	15.955	15.955	0	%100
34	M63	Z	9.212	9.212	0	%100
35	M64	X	21.668	21.668	0	%100
36	M64	Z	12.51	12.51	0	%100
37	M68	X	15.955	15.955	0	%100
38	M68	Z	9.212	9.212	0	%100
39	M69	X	5.417	5.417	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
40	M69	Z	3.127	3.127	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	10.666	10.666	0 %100
44	M77A	Z	6.158	6.158	0 %100
45	M78	X	10.666	10.666	0 %100
46	M78	Z	6.158	6.158	0 %100
47	M79A	X	21.274	21.274	0 %100
48	M79A	Z	12.282	12.282	0 %100
49	M82	X	2.953	2.953	0 %100
50	M82	Z	1.705	1.705	0 %100
51	M83A	X	2.953	2.953	0 %100
52	M83A	Z	1.705	1.705	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	5.417	5.417	0 %100
56	M88A	Z	3.127	3.127	0 %100
57	M90	X	5.614	5.614	0 %100
58	M90	Z	3.241	3.241	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	5.417	5.417	0 %100
62	M93	Z	3.127	3.127	0 %100
63	M66	X	5.614	5.614	0 %100
64	M66	Z	3.241	3.241	0 %100
65	M68A	X	5.614	5.614	0 %100
66	M68A	Z	3.241	3.241	0 %100
67	M70A	X	5.614	5.614	0 %100
68	M70A	Z	3.241	3.241	0 %100
69	M72	X	22.456	22.456	0 %100
70	M72	Z	12.965	12.965	0 %100
71	M74A	X	22.456	22.456	0 %100
72	M74A	Z	12.965	12.965	0 %100
73	M76B	X	3.033	3.033	0 %100
74	M76B	Z	1.751	1.751	0 %100
75	M77B	X	3.033	3.033	0 %100
76	M77B	Z	1.751	1.751	0 %100
77	M78A	X	12.133	12.133	0 %100
78	M78A	Z	7.005	7.005	0 %100
79	MP1A	X	8.421	8.421	0 %100
80	MP1A	Z	4.862	4.862	0 %100
81	MP2A	X	8.421	8.421	0 %100
82	MP2A	Z	4.862	4.862	0 %100
83	MP3A	X	8.421	8.421	0 %100
84	MP3A	Z	4.862	4.862	0 %100
85	MP4A	X	8.421	8.421	0 %100
86	MP4A	Z	4.862	4.862	0 %100
87	MP5A	X	8.421	8.421	0 %100
88	MP5A	Z	4.862	4.862	0 %100
89	MP1C	X	8.421	8.421	0 %100
90	MP1C	Z	4.862	4.862	0 %100
91	MP2C	X	8.421	8.421	0 %100
92	MP2C	Z	4.862	4.862	0 %100
93	MP3C	X	8.421	8.421	0 %100
94	MP3C	Z	4.862	4.862	0 %100
95	MP5C	X	8.421	8.421	0 %100
96	MP5C	Z	4.862	4.862	0 %100
97	MP1B	X	8.421	8.421	0 %100
98	MP1B	Z	4.862	4.862	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
99	MP2B	X	8.421	8.421	0	%100
100	MP2B	Z	4.862	4.862	0	%100
101	MP3B	X	8.421	8.421	0	%100
102	MP3B	Z	4.862	4.862	0	%100
103	MP4B	X	8.421	8.421	0	%100
104	MP4B	Z	4.862	4.862	0	%100
105	MP5B	X	8.421	8.421	0	%100
106	MP5B	Z	4.862	4.862	0	%100
107	MP4C	X	8.421	8.421	0	%100
108	MP4C	Z	4.862	4.862	0	%100
109	M318	X	6.886	6.886	0	%100
110	M318	Z	3.976	3.976	0	%100
111	M111	X	6.886	6.886	0	%100
112	M111	Z	3.976	3.976	0	%100
113	M110A	X	2.548	2.548	0	%100
114	M110A	Z	1.471	1.471	0	%100
115	M134	X	2.829	2.829	0	%100
116	M134	Z	1.633	1.633	0	%100
117	M135	X	11.317	11.317	0	%100
118	M135	Z	6.534	6.534	0	%100
119	M136	X	2.829	2.829	0	%100
120	M136	Z	1.633	1.633	0	%100
121	M135A	X	2.548	2.548	0	%100
122	M135A	Z	1.471	1.471	0	%100
123	M136A	X	10.194	10.194	0	%100
124	M136A	Z	5.885	5.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
1	M4	X	1.819	1.819	0	%100
2	M4	Z	3.151	3.151	0	%100
3	M10	X	4.618	4.618	0	%100
4	M10	Z	7.999	7.999	0	%100
5	M43	X	4.618	4.618	0	%100
6	M43	Z	7.999	7.999	0	%100
7	M46	X	9.212	9.212	0	%100
8	M46	Z	15.955	15.955	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	5.115	5.115	0	%100
12	M52B	Z	8.86	8.86	0	%100
13	M76	X	3.071	3.071	0	%100
14	M76	Z	5.318	5.318	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	3.071	3.071	0	%100
18	M84	Z	5.318	5.318	0	%100
19	M85	X	9.382	9.382	0	%100
20	M85	Z	16.251	16.251	0	%100
21	M52A	X	7.277	7.277	0	%100
22	M52A	Z	12.605	12.605	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	5.115	5.115	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
30	M58A	Z	8.86	8.86	0 %100
31	M59A	X	5.115	5.115	0 %100
32	M59A	Z	8.86	8.86	0 %100
33	M63	X	12.282	12.282	0 %100
34	M63	Z	21.274	21.274	0 %100
35	M64	X	9.382	9.382	0 %100
36	M64	Z	16.251	16.251	0 %100
37	M68	X	12.282	12.282	0 %100
38	M68	Z	21.274	21.274	0 %100
39	M69	X	9.382	9.382	0 %100
40	M69	Z	16.251	16.251	0 %100
41	M76A	X	1.819	1.819	0 %100
42	M76A	Z	3.151	3.151	0 %100
43	M77A	X	4.618	4.618	0 %100
44	M77A	Z	7.999	7.999	0 %100
45	M78	X	4.618	4.618	0 %100
46	M78	Z	7.999	7.999	0 %100
47	M79A	X	9.212	9.212	0 %100
48	M79A	Z	15.955	15.955	0 %100
49	M82	X	5.115	5.115	0 %100
50	M82	Z	8.86	8.86	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	0	0	0 %100
53	M87	X	3.071	3.071	0 %100
54	M87	Z	5.318	5.318	0 %100
55	M88A	X	9.382	9.382	0 %100
56	M88A	Z	16.251	16.251	0 %100
57	M90	X	9.724	9.724	0 %100
58	M90	Z	16.842	16.842	0 %100
59	M92A	X	3.071	3.071	0 %100
60	M92A	Z	5.318	5.318	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	0	0	0 %100
63	M66	X	9.724	9.724	0 %100
64	M66	Z	16.842	16.842	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	0	0	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	0	0	0 %100
69	M72	X	9.724	9.724	0 %100
70	M72	Z	16.842	16.842	0 %100
71	M74A	X	9.724	9.724	0 %100
72	M74A	Z	16.842	16.842	0 %100
73	M76B	X	5.254	5.254	0 %100
74	M76B	Z	9.1	9.1	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	0	0	0 %100
77	M78A	X	5.254	5.254	0 %100
78	M78A	Z	9.1	9.1	0 %100
79	MP1A	X	4.862	4.862	0 %100
80	MP1A	Z	8.421	8.421	0 %100
81	MP2A	X	4.862	4.862	0 %100
82	MP2A	Z	8.421	8.421	0 %100
83	MP3A	X	4.862	4.862	0 %100
84	MP3A	Z	8.421	8.421	0 %100
85	MP4A	X	4.862	4.862	0 %100
86	MP4A	Z	8.421	8.421	0 %100
87	MP5A	X	4.862	4.862	0 %100
88	MP5A	Z	8.421	8.421	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
89	MP1C	X	4.862	4.862	0	%100
90	MP1C	Z	8.421	8.421	0	%100
91	MP2C	X	4.862	4.862	0	%100
92	MP2C	Z	8.421	8.421	0	%100
93	MP3C	X	4.862	4.862	0	%100
94	MP3C	Z	8.421	8.421	0	%100
95	MP5C	X	4.862	4.862	0	%100
96	MP5C	Z	8.421	8.421	0	%100
97	MP1B	X	4.862	4.862	0	%100
98	MP1B	Z	8.421	8.421	0	%100
99	MP2B	X	4.862	4.862	0	%100
100	MP2B	Z	8.421	8.421	0	%100
101	MP3B	X	4.862	4.862	0	%100
102	MP3B	Z	8.421	8.421	0	%100
103	MP4B	X	4.862	4.862	0	%100
104	MP4B	Z	8.421	8.421	0	%100
105	MP5B	X	4.862	4.862	0	%100
106	MP5B	Z	8.421	8.421	0	%100
107	MP4C	X	4.862	4.862	0	%100
108	MP4C	Z	8.421	8.421	0	%100
109	M318	X	3.976	3.976	0	%100
110	M318	Z	6.886	6.886	0	%100
111	M111	X	3.976	3.976	0	%100
112	M111	Z	6.886	6.886	0	%100
113	M110A	X	4.414	4.414	0	%100
114	M110A	Z	7.645	7.645	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	4.9	4.9	0	%100
118	M135	Z	8.487	8.487	0	%100
119	M136	X	4.9	4.9	0	%100
120	M136	Z	8.487	8.487	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	4.414	4.414	0	%100
124	M136A	Z	7.645	7.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	12.316	12.316	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	12.316	12.316	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	24.565	24.565	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	3.41	3.41	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	3.41	3.41	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	6.255	6.255	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
20	M85	Z	6.255	6.255	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	10.916	10.916	0 %100
23	M53	X	0	0	0 %100
24	M53	Z	3.079	3.079	0 %100
25	M54	X	0	0	0 %100
26	M54	Z	3.079	3.079	0 %100
27	M55	X	0	0	0 %100
28	M55	Z	6.141	6.141	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	3.41	3.41	0 %100
31	M59A	X	0	0	0 %100
32	M59A	Z	13.64	13.64	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	18.424	18.424	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	6.255	6.255	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	18.424	18.424	0 %100
39	M69	X	0	0	0 %100
40	M69	Z	25.02	25.02	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	10.916	10.916	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	3.079	3.079	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	3.079	3.079	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	6.141	6.141	0 %100
49	M82	X	0	0	0 %100
50	M82	Z	13.64	13.64	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	3.41	3.41	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	18.424	18.424	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	25.02	25.02	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	25.93	25.93	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	18.424	18.424	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	6.255	6.255	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	25.93	25.93	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	6.483	6.483	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	6.483	6.483	0 %100
69	M72	X	0	0	0 %100
70	M72	Z	6.483	6.483	0 %100
71	M74A	X	0	0	0 %100
72	M74A	Z	6.483	6.483	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	14.01	14.01	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	3.502	3.502	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	3.502	3.502	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	9.724	9.724	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	9.724	9.724	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	9.724	9.724	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	9.724	9.724	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	9.724	9.724	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	9.724	9.724	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	9.724	9.724	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	9.724	9.724	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	9.724	9.724	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	9.724	9.724	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	9.724	9.724	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	9.724	9.724	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	9.724	9.724	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	9.724	9.724	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	9.724	9.724	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	7.951	7.951	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	7.951	7.951	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	11.771	11.771	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	3.267	3.267	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	3.267	3.267	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	13.067	13.067	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	2.943	2.943	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	2.943	2.943	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft. %]	End Location[ft. %]
1	M4	X	-1.819	-1.819	0	%100
2	M4	Z	3.151	3.151	0	%100
3	M10	X	-4.618	-4.618	0	%100
4	M10	Z	7.999	7.999	0	%100
5	M43	X	-4.618	-4.618	0	%100
6	M43	Z	7.999	7.999	0	%100
7	M46	X	-9.212	-9.212	0	%100
8	M46	Z	15.955	15.955	0	%100
9	M51B	X	-5.115	-5.115	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
10	M51B	Z	8.86	8.86	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	-3.071	-3.071	0 %100
14	M76	Z	5.318	5.318	0 %100
15	M77	X	-9.382	-9.382	0 %100
16	M77	Z	16.251	16.251	0 %100
17	M84	X	-3.071	-3.071	0 %100
18	M84	Z	5.318	5.318	0 %100
19	M85	X	0	0	0 %100
20	M85	Z	0	0	0 %100
21	M52A	X	-1.819	-1.819	0 %100
22	M52A	Z	3.151	3.151	0 %100
23	M53	X	-4.618	-4.618	0 %100
24	M53	Z	7.999	7.999	0 %100
25	M54	X	-4.618	-4.618	0 %100
26	M54	Z	7.999	7.999	0 %100
27	M55	X	-9.212	-9.212	0 %100
28	M55	Z	15.955	15.955	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	0	0	0 %100
31	M59A	X	-5.115	-5.115	0 %100
32	M59A	Z	8.86	8.86	0 %100
33	M63	X	-3.071	-3.071	0 %100
34	M63	Z	5.318	5.318	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	0	0	0 %100
37	M68	X	-3.071	-3.071	0 %100
38	M68	Z	5.318	5.318	0 %100
39	M69	X	-9.382	-9.382	0 %100
40	M69	Z	16.251	16.251	0 %100
41	M76A	X	-7.277	-7.277	0 %100
42	M76A	Z	12.605	12.605	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	0	0	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	0	0	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	0	0	0 %100
49	M82	X	-5.115	-5.115	0 %100
50	M82	Z	8.86	8.86	0 %100
51	M83A	X	-5.115	-5.115	0 %100
52	M83A	Z	8.86	8.86	0 %100
53	M87	X	-12.282	-12.282	0 %100
54	M87	Z	21.274	21.274	0 %100
55	M88A	X	-9.382	-9.382	0 %100
56	M88A	Z	16.251	16.251	0 %100
57	M90	X	-9.724	-9.724	0 %100
58	M90	Z	16.842	16.842	0 %100
59	M92A	X	-12.282	-12.282	0 %100
60	M92A	Z	21.274	21.274	0 %100
61	M93	X	-9.382	-9.382	0 %100
62	M93	Z	16.251	16.251	0 %100
63	M66	X	-9.724	-9.724	0 %100
64	M66	Z	16.842	16.842	0 %100
65	M68A	X	-9.724	-9.724	0 %100
66	M68A	Z	16.842	16.842	0 %100
67	M70A	X	-9.724	-9.724	0 %100
68	M70A	Z	16.842	16.842	0 %100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
1	M4	X	-9.454	-9.454	0 %100
2	M4	Z	5.458	5.458	0 %100
3	M10	X	-2.666	-2.666	0 %100
4	M10	Z	1.539	1.539	0 %100
5	M43	X	-2.666	-2.666	0 %100
6	M43	Z	1.539	1.539	0 %100
7	M46	X	-5.318	-5.318	0 %100
8	M46	Z	3.071	3.071	0 %100
9	M51B	X	-11.813	-11.813	0 %100
10	M51B	Z	6.82	6.82	0 %100
11	M52B	X	-2.953	-2.953	0 %100
12	M52B	Z	1.705	1.705	0 %100
13	M76	X	-15.955	-15.955	0 %100
14	M76	Z	9.212	9.212	0 %100
15	M77	X	-21.668	-21.668	0 %100
16	M77	Z	12.51	12.51	0 %100
17	M84	X	-15.955	-15.955	0 %100
18	M84	Z	9.212	9.212	0 %100
19	M85	X	-5.417	-5.417	0 %100
20	M85	Z	3.127	3.127	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	0	0	0 %100
23	M53	X	-10.666	-10.666	0 %100
24	M53	Z	6.158	6.158	0 %100
25	M54	X	-10.666	-10.666	0 %100
26	M54	Z	6.158	6.158	0 %100
27	M55	X	-21.274	-21.274	0 %100
28	M55	Z	12.282	12.282	0 %100
29	M58A	X	-2.953	-2.953	0 %100
30	M58A	Z	1.705	1.705	0 %100
31	M59A	X	-2.953	-2.953	0 %100
32	M59A	Z	1.705	1.705	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	0	0	0 %100
35	M64	X	-5.417	-5.417	0 %100
36	M64	Z	3.127	3.127	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	0	0	0 %100
39	M69	X	-5.417	-5.417	0 %100
40	M69	Z	3.127	3.127	0 %100
41	M76A	X	-9.454	-9.454	0 %100
42	M76A	Z	5.458	5.458	0 %100
43	M77A	X	-2.666	-2.666	0 %100
44	M77A	Z	1.539	1.539	0 %100
45	M78	X	-2.666	-2.666	0 %100
46	M78	Z	1.539	1.539	0 %100
47	M79A	X	-5.318	-5.318	0 %100
48	M79A	Z	3.071	3.071	0 %100
49	M82	X	-2.953	-2.953	0 %100
50	M82	Z	1.705	1.705	0 %100
51	M83A	X	-11.813	-11.813	0 %100
52	M83A	Z	6.82	6.82	0 %100
53	M87	X	-15.955	-15.955	0 %100
54	M87	Z	9.212	9.212	0 %100
55	M88A	X	-5.417	-5.417	0 %100
56	M88A	Z	3.127	3.127	0 %100
57	M90	X	-5.614	-5.614	0 %100
58	M90	Z	3.241	3.241	0 %100
59	M92A	X	-15.955	-15.955	0 %100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
60	M92A	Z	9.212	9.212	0 %100
61	M93	X	-21.668	-21.668	0 %100
62	M93	Z	12.51	12.51	0 %100
63	M66	X	-5.614	-5.614	0 %100
64	M66	Z	3.241	3.241	0 %100
65	M68A	X	-22.456	-22.456	0 %100
66	M68A	Z	12.965	12.965	0 %100
67	M70A	X	-22.456	-22.456	0 %100
68	M70A	Z	12.965	12.965	0 %100
69	M72	X	-5.614	-5.614	0 %100
70	M72	Z	3.241	3.241	0 %100
71	M74A	X	-5.614	-5.614	0 %100
72	M74A	Z	3.241	3.241	0 %100
73	M76B	X	-3.033	-3.033	0 %100
74	M76B	Z	1.751	1.751	0 %100
75	M77B	X	-12.133	-12.133	0 %100
76	M77B	Z	7.005	7.005	0 %100
77	M78A	X	-3.033	-3.033	0 %100
78	M78A	Z	1.751	1.751	0 %100
79	MP1A	X	-8.421	-8.421	0 %100
80	MP1A	Z	4.862	4.862	0 %100
81	MP2A	X	-8.421	-8.421	0 %100
82	MP2A	Z	4.862	4.862	0 %100
83	MP3A	X	-8.421	-8.421	0 %100
84	MP3A	Z	4.862	4.862	0 %100
85	MP4A	X	-8.421	-8.421	0 %100
86	MP4A	Z	4.862	4.862	0 %100
87	MP5A	X	-8.421	-8.421	0 %100
88	MP5A	Z	4.862	4.862	0 %100
89	MP1C	X	-8.421	-8.421	0 %100
90	MP1C	Z	4.862	4.862	0 %100
91	MP2C	X	-8.421	-8.421	0 %100
92	MP2C	Z	4.862	4.862	0 %100
93	MP3C	X	-8.421	-8.421	0 %100
94	MP3C	Z	4.862	4.862	0 %100
95	MP5C	X	-8.421	-8.421	0 %100
96	MP5C	Z	4.862	4.862	0 %100
97	MP1B	X	-8.421	-8.421	0 %100
98	MP1B	Z	4.862	4.862	0 %100
99	MP2B	X	-8.421	-8.421	0 %100
100	MP2B	Z	4.862	4.862	0 %100
101	MP3B	X	-8.421	-8.421	0 %100
102	MP3B	Z	4.862	4.862	0 %100
103	MP4B	X	-8.421	-8.421	0 %100
104	MP4B	Z	4.862	4.862	0 %100
105	MP5B	X	-8.421	-8.421	0 %100
106	MP5B	Z	4.862	4.862	0 %100
107	MP4C	X	-8.421	-8.421	0 %100
108	MP4C	Z	4.862	4.862	0 %100
109	M318	X	-6.886	-6.886	0 %100
110	M318	Z	3.976	3.976	0 %100
111	M111	X	-6.886	-6.886	0 %100
112	M111	Z	3.976	3.976	0 %100
113	M110A	X	-2.548	-2.548	0 %100
114	M110A	Z	1.471	1.471	0 %100
115	M134	X	-11.317	-11.317	0 %100
116	M134	Z	6.534	6.534	0 %100
117	M135	X	-2.829	-2.829	0 %100
118	M135	Z	1.633	1.633	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	M136	X	-2.829	-2.829	0	%100
120	M136	Z	1.633	1.633	0	%100
121	M135A	X	-10.194	-10.194	0	%100
122	M135A	Z	5.885	5.885	0	%100
123	M136A	X	-2.548	-2.548	0	%100
124	M136A	Z	1.471	1.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-14.555	-14.555	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-10.23	-10.23	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-10.23	-10.23	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-24.565	-24.565	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-18.765	-18.765	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-24.565	-24.565	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-18.765	-18.765	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-3.639	-3.639	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-9.237	-9.237	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-9.237	-9.237	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-18.424	-18.424	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-10.23	-10.23	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-6.141	-6.141	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-18.765	-18.765	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-6.141	-6.141	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-3.639	-3.639	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-9.237	-9.237	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	-9.237	-9.237	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-18.424	-18.424	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
50	M82	Z	0	0	0 %100
51	M83A	X	-10.23	-10.23	0 %100
52	M83A	Z	0	0	0 %100
53	M87	X	-6.141	-6.141	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	0	0	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	0	0	0 %100
59	M92A	X	-6.141	-6.141	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	-18.765	-18.765	0 %100
62	M93	Z	0	0	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	0	0	0 %100
65	M68A	X	-19.448	-19.448	0 %100
66	M68A	Z	0	0	0 %100
67	M70A	X	-19.448	-19.448	0 %100
68	M70A	Z	0	0	0 %100
69	M72	X	-19.448	-19.448	0 %100
70	M72	Z	0	0	0 %100
71	M74A	X	-19.448	-19.448	0 %100
72	M74A	Z	0	0	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	0	0	0 %100
75	M77B	X	-10.507	-10.507	0 %100
76	M77B	Z	0	0	0 %100
77	M78A	X	-10.507	-10.507	0 %100
78	M78A	Z	0	0	0 %100
79	MP1A	X	-9.724	-9.724	0 %100
80	MP1A	Z	0	0	0 %100
81	MP2A	X	-9.724	-9.724	0 %100
82	MP2A	Z	0	0	0 %100
83	MP3A	X	-9.724	-9.724	0 %100
84	MP3A	Z	0	0	0 %100
85	MP4A	X	-9.724	-9.724	0 %100
86	MP4A	Z	0	0	0 %100
87	MP5A	X	-9.724	-9.724	0 %100
88	MP5A	Z	0	0	0 %100
89	MP1C	X	-9.724	-9.724	0 %100
90	MP1C	Z	0	0	0 %100
91	MP2C	X	-9.724	-9.724	0 %100
92	MP2C	Z	0	0	0 %100
93	MP3C	X	-9.724	-9.724	0 %100
94	MP3C	Z	0	0	0 %100
95	MP5C	X	-9.724	-9.724	0 %100
96	MP5C	Z	0	0	0 %100
97	MP1B	X	-9.724	-9.724	0 %100
98	MP1B	Z	0	0	0 %100
99	MP2B	X	-9.724	-9.724	0 %100
100	MP2B	Z	0	0	0 %100
101	MP3B	X	-9.724	-9.724	0 %100
102	MP3B	Z	0	0	0 %100
103	MP4B	X	-9.724	-9.724	0 %100
104	MP4B	Z	0	0	0 %100
105	MP5B	X	-9.724	-9.724	0 %100
106	MP5B	Z	0	0	0 %100
107	MP4C	X	-9.724	-9.724	0 %100
108	MP4C	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
109	M318	X	-7.951	-7.951	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-7.951	-7.951	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	-9.8	-9.8	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	-9.8	-9.8	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	-8.828	-8.828	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	-8.828	-8.828	0	%100
124	M136A	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....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-9.454	-9.454	0	%100
2	M4	Z	-5.458	-5.458	0	%100
3	M10	X	-2.666	-2.666	0	%100
4	M10	Z	-1.539	-1.539	0	%100
5	M43	X	-2.666	-2.666	0	%100
6	M43	Z	-1.539	-1.539	0	%100
7	M46	X	-5.318	-5.318	0	%100
8	M46	Z	-3.071	-3.071	0	%100
9	M51B	X	-2.953	-2.953	0	%100
10	M51B	Z	-1.705	-1.705	0	%100
11	M52B	X	-11.813	-11.813	0	%100
12	M52B	Z	-6.82	-6.82	0	%100
13	M76	X	-15.955	-15.955	0	%100
14	M76	Z	-9.212	-9.212	0	%100
15	M77	X	-5.417	-5.417	0	%100
16	M77	Z	-3.127	-3.127	0	%100
17	M84	X	-15.955	-15.955	0	%100
18	M84	Z	-9.212	-9.212	0	%100
19	M85	X	-21.668	-21.668	0	%100
20	M85	Z	-12.51	-12.51	0	%100
21	M52A	X	-9.454	-9.454	0	%100
22	M52A	Z	-5.458	-5.458	0	%100
23	M53	X	-2.666	-2.666	0	%100
24	M53	Z	-1.539	-1.539	0	%100
25	M54	X	-2.666	-2.666	0	%100
26	M54	Z	-1.539	-1.539	0	%100
27	M55	X	-5.318	-5.318	0	%100
28	M55	Z	-3.071	-3.071	0	%100
29	M58A	X	-11.813	-11.813	0	%100
30	M58A	Z	-6.82	-6.82	0	%100
31	M59A	X	-2.953	-2.953	0	%100
32	M59A	Z	-1.705	-1.705	0	%100
33	M63	X	-15.955	-15.955	0	%100
34	M63	Z	-9.212	-9.212	0	%100
35	M64	X	-21.668	-21.668	0	%100
36	M64	Z	-12.51	-12.51	0	%100
37	M68	X	-15.955	-15.955	0	%100
38	M68	Z	-9.212	-9.212	0	%100
39	M69	X	-5.417	-5.417	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft...	End Magnitude(lb/ft...	Start Location(ft,%)	End Location(ft,%)
40	M69	Z	-3.127	-3.127	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	-10.666	-10.666	0 %100
44	M77A	Z	-6.158	-6.158	0 %100
45	M78	X	-10.666	-10.666	0 %100
46	M78	Z	-6.158	-6.158	0 %100
47	M79A	X	-21.274	-21.274	0 %100
48	M79A	Z	-12.282	-12.282	0 %100
49	M82	X	-2.953	-2.953	0 %100
50	M82	Z	-1.705	-1.705	0 %100
51	M83A	X	-2.953	-2.953	0 %100
52	M83A	Z	-1.705	-1.705	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	-5.417	-5.417	0 %100
56	M88A	Z	-3.127	-3.127	0 %100
57	M90	X	-5.614	-5.614	0 %100
58	M90	Z	-3.241	-3.241	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	-5.417	-5.417	0 %100
62	M93	Z	-3.127	-3.127	0 %100
63	M66	X	-5.614	-5.614	0 %100
64	M66	Z	-3.241	-3.241	0 %100
65	M68A	X	-5.614	-5.614	0 %100
66	M68A	Z	-3.241	-3.241	0 %100
67	M70A	X	-5.614	-5.614	0 %100
68	M70A	Z	-3.241	-3.241	0 %100
69	M72	X	-22.456	-22.456	0 %100
70	M72	Z	-12.965	-12.965	0 %100
71	M74A	X	-22.456	-22.456	0 %100
72	M74A	Z	-12.965	-12.965	0 %100
73	M76B	X	-3.033	-3.033	0 %100
74	M76B	Z	-1.751	-1.751	0 %100
75	M77B	X	-3.033	-3.033	0 %100
76	M77B	Z	-1.751	-1.751	0 %100
77	M78A	X	-12.133	-12.133	0 %100
78	M78A	Z	-7.005	-7.005	0 %100
79	MP1A	X	-8.421	-8.421	0 %100
80	MP1A	Z	-4.862	-4.862	0 %100
81	MP2A	X	-8.421	-8.421	0 %100
82	MP2A	Z	-4.862	-4.862	0 %100
83	MP3A	X	-8.421	-8.421	0 %100
84	MP3A	Z	-4.862	-4.862	0 %100
85	MP4A	X	-8.421	-8.421	0 %100
86	MP4A	Z	-4.862	-4.862	0 %100
87	MP5A	X	-8.421	-8.421	0 %100
88	MP5A	Z	-4.862	-4.862	0 %100
89	MP1C	X	-8.421	-8.421	0 %100
90	MP1C	Z	-4.862	-4.862	0 %100
91	MP2C	X	-8.421	-8.421	0 %100
92	MP2C	Z	-4.862	-4.862	0 %100
93	MP3C	X	-8.421	-8.421	0 %100
94	MP3C	Z	-4.862	-4.862	0 %100
95	MP5C	X	-8.421	-8.421	0 %100
96	MP5C	Z	-4.862	-4.862	0 %100
97	MP1B	X	-8.421	-8.421	0 %100
98	MP1B	Z	-4.862	-4.862	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
99	MP2B	X	-8.421	-8.421	0	%100
100	MP2B	Z	-4.862	-4.862	0	%100
101	MP3B	X	-8.421	-8.421	0	%100
102	MP3B	Z	-4.862	-4.862	0	%100
103	MP4B	X	-8.421	-8.421	0	%100
104	MP4B	Z	-4.862	-4.862	0	%100
105	MP5B	X	-8.421	-8.421	0	%100
106	MP5B	Z	-4.862	-4.862	0	%100
107	MP4C	X	-8.421	-8.421	0	%100
108	MP4C	Z	-4.862	-4.862	0	%100
109	M318	X	-6.886	-6.886	0	%100
110	M318	Z	-3.976	-3.976	0	%100
111	M111	X	-6.886	-6.886	0	%100
112	M111	Z	-3.976	-3.976	0	%100
113	M110A	X	-2.548	-2.548	0	%100
114	M110A	Z	-1.471	-1.471	0	%100
115	M134	X	-2.829	-2.829	0	%100
116	M134	Z	-1.633	-1.633	0	%100
117	M135	X	-11.317	-11.317	0	%100
118	M135	Z	-6.534	-6.534	0	%100
119	M136	X	-2.829	-2.829	0	%100
120	M136	Z	-1.633	-1.633	0	%100
121	M135A	X	-2.548	-2.548	0	%100
122	M135A	Z	-1.471	-1.471	0	%100
123	M136A	X	-10.194	-10.194	0	%100
124	M136A	Z	-5.885	-5.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-1.819	-1.819	0	%100
2	M4	Z	-3.151	-3.151	0	%100
3	M10	X	-4.618	-4.618	0	%100
4	M10	Z	-7.999	-7.999	0	%100
5	M43	X	-4.618	-4.618	0	%100
6	M43	Z	-7.999	-7.999	0	%100
7	M46	X	-9.212	-9.212	0	%100
8	M46	Z	-15.955	-15.955	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-5.115	-5.115	0	%100
12	M52B	Z	-8.86	-8.86	0	%100
13	M76	X	-3.071	-3.071	0	%100
14	M76	Z	-5.318	-5.318	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-3.071	-3.071	0	%100
18	M84	Z	-5.318	-5.318	0	%100
19	M85	X	-9.382	-9.382	0	%100
20	M85	Z	-16.251	-16.251	0	%100
21	M52A	X	-7.277	-7.277	0	%100
22	M52A	Z	-12.605	-12.605	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-5.115	-5.115	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft...	End Magnitude(lb/ft...	Start Location(ft,%)	End Location(ft,%)
30	M58A	Z	-8.86	-8.86	0	%100
31	M59A	X	-5.115	-5.115	0	%100
32	M59A	Z	-8.86	-8.86	0	%100
33	M63	X	-12.282	-12.282	0	%100
34	M63	Z	-21.274	-21.274	0	%100
35	M64	X	-9.382	-9.382	0	%100
36	M64	Z	-16.251	-16.251	0	%100
37	M68	X	-12.282	-12.282	0	%100
38	M68	Z	-21.274	-21.274	0	%100
39	M69	X	-9.382	-9.382	0	%100
40	M69	Z	-16.251	-16.251	0	%100
41	M76A	X	-1.819	-1.819	0	%100
42	M76A	Z	-3.151	-3.151	0	%100
43	M77A	X	-4.618	-4.618	0	%100
44	M77A	Z	-7.999	-7.999	0	%100
45	M78	X	-4.618	-4.618	0	%100
46	M78	Z	-7.999	-7.999	0	%100
47	M79A	X	-9.212	-9.212	0	%100
48	M79A	Z	-15.955	-15.955	0	%100
49	M82	X	-5.115	-5.115	0	%100
50	M82	Z	-8.86	-8.86	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-3.071	-3.071	0	%100
54	M87	Z	-5.318	-5.318	0	%100
55	M88A	X	-9.382	-9.382	0	%100
56	M88A	Z	-16.251	-16.251	0	%100
57	M90	X	-9.724	-9.724	0	%100
58	M90	Z	-16.842	-16.842	0	%100
59	M92A	X	-3.071	-3.071	0	%100
60	M92A	Z	-5.318	-5.318	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	-9.724	-9.724	0	%100
64	M66	Z	-16.842	-16.842	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-9.724	-9.724	0	%100
70	M72	Z	-16.842	-16.842	0	%100
71	M74A	X	-9.724	-9.724	0	%100
72	M74A	Z	-16.842	-16.842	0	%100
73	M76B	X	-5.254	-5.254	0	%100
74	M76B	Z	-9.1	-9.1	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-5.254	-5.254	0	%100
78	M78A	Z	-9.1	-9.1	0	%100
79	MP1A	X	-4.862	-4.862	0	%100
80	MP1A	Z	-8.421	-8.421	0	%100
81	MP2A	X	-4.862	-4.862	0	%100
82	MP2A	Z	-8.421	-8.421	0	%100
83	MP3A	X	-4.862	-4.862	0	%100
84	MP3A	Z	-8.421	-8.421	0	%100
85	MP4A	X	-4.862	-4.862	0	%100
86	MP4A	Z	-8.421	-8.421	0	%100
87	MP5A	X	-4.862	-4.862	0	%100
88	MP5A	Z	-8.421	-8.421	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
89	MP1C	X	-4.862	-4.862	0	%100
90	MP1C	Z	-8.421	-8.421	0	%100
91	MP2C	X	-4.862	-4.862	0	%100
92	MP2C	Z	-8.421	-8.421	0	%100
93	MP3C	X	-4.862	-4.862	0	%100
94	MP3C	Z	-8.421	-8.421	0	%100
95	MP5C	X	-4.862	-4.862	0	%100
96	MP5C	Z	-8.421	-8.421	0	%100
97	MP1B	X	-4.862	-4.862	0	%100
98	MP1B	Z	-8.421	-8.421	0	%100
99	MP2B	X	-4.862	-4.862	0	%100
100	MP2B	Z	-8.421	-8.421	0	%100
101	MP3B	X	-4.862	-4.862	0	%100
102	MP3B	Z	-8.421	-8.421	0	%100
103	MP4B	X	-4.862	-4.862	0	%100
104	MP4B	Z	-8.421	-8.421	0	%100
105	MP5B	X	-4.862	-4.862	0	%100
106	MP5B	Z	-8.421	-8.421	0	%100
107	MP4C	X	-4.862	-4.862	0	%100
108	MP4C	Z	-8.421	-8.421	0	%100
109	M318	X	-3.976	-3.976	0	%100
110	M318	Z	-6.886	-6.886	0	%100
111	M111	X	-3.976	-3.976	0	%100
112	M111	Z	-6.886	-6.886	0	%100
113	M110A	X	-4.414	-4.414	0	%100
114	M110A	Z	-7.645	-7.645	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	-4.9	-4.9	0	%100
118	M135	Z	-8.487	-8.487	0	%100
119	M136	X	-4.9	-4.9	0	%100
120	M136	Z	-8.487	-8.487	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	-4.414	-4.414	0	%100
124	M136A	Z	-7.645	-7.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.379	-3.379	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.379	-3.379	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-5.293	-5.293	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.973	-.973	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.973	-.973	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.321	-1.321	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
20	M85	Z	-1.321	-1.321	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	-3.104	-3.104	0 %100
23	M53	X	0	0	0 %100
24	M53	Z	-.845	-.845	0 %100
25	M54	X	0	0	0 %100
26	M54	Z	-.845	-.845	0 %100
27	M55	X	0	0	0 %100
28	M55	Z	-1.323	-1.323	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	-.973	-.973	0 %100
31	M59A	X	0	0	0 %100
32	M59A	Z	-3.891	-3.891	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	-3.904	-3.904	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	-1.321	-1.321	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	-3.904	-3.904	0 %100
39	M69	X	0	0	0 %100
40	M69	Z	-5.284	-5.284	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	-3.104	-3.104	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	-.845	-.845	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	-.845	-.845	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	-1.323	-1.323	0 %100
49	M82	X	0	0	0 %100
50	M82	Z	-3.891	-3.891	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	-.973	-.973	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	-3.904	-3.904	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	-5.284	-5.284	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	-5.442	-5.442	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	-3.904	-3.904	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	-1.321	-1.321	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	-5.442	-5.442	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	-1.361	-1.361	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	-1.361	-1.361	0 %100
69	M72	X	0	0	0 %100
70	M72	Z	-1.361	-1.361	0 %100
71	M74A	X	0	0	0 %100
72	M74A	Z	-1.361	-1.361	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	-4.1	-4.1	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	-1.025	-1.025	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	-1.025	-1.025	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.3	-3.3	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.3	-3.3	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.3	-3.3	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.3	-3.3	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-3.3	-3.3	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-3.3	-3.3	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.3	-3.3	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-3.3	-3.3	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-3.3	-3.3	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-3.3	-3.3	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.3	-3.3	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-3.3	-3.3	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-3.3	-3.3	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-3.3	-3.3	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-3.3	-3.3	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-2.72	-2.72	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-2.72	-2.72	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-3.656	-3.656	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	-0.825	-0.825	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	-0.825	-0.825	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-3.301	-3.301	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	-0.914	-0.914	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	-0.914	-0.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.517	.517	0	%100
2	M4	Z	-0.896	-0.896	0	%100
3	M10	X	1.267	1.267	0	%100
4	M10	Z	-2.195	-2.195	0	%100
5	M43	X	1.267	1.267	0	%100
6	M43	Z	-2.195	-2.195	0	%100
7	M46	X	1.985	1.985	0	%100
8	M46	Z	-3.438	-3.438	0	%100
9	M51B	X	1.459	1.459	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
10	M51B	Z	-2.527	-2.527	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.651	.651	0	%100
14	M76	Z	-1.127	-1.127	0	%100
15	M77	X	1.982	1.982	0	%100
16	M77	Z	-3.432	-3.432	0	%100
17	M84	X	.651	.651	0	%100
18	M84	Z	-1.127	-1.127	0	%100
19	M85	X	0	0	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	.517	.517	0	%100
22	M52A	Z	-.896	-.896	0	%100
23	M53	X	1.267	1.267	0	%100
24	M53	Z	-2.195	-2.195	0	%100
25	M54	X	1.267	1.267	0	%100
26	M54	Z	-2.195	-2.195	0	%100
27	M55	X	1.985	1.985	0	%100
28	M55	Z	-3.438	-3.438	0	%100
29	M58A	X	0	0	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	1.459	1.459	0	%100
32	M59A	Z	-2.527	-2.527	0	%100
33	M63	X	.651	.651	0	%100
34	M63	Z	-1.127	-1.127	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	.651	.651	0	%100
38	M68	Z	-1.127	-1.127	0	%100
39	M69	X	1.982	1.982	0	%100
40	M69	Z	-3.432	-3.432	0	%100
41	M76A	X	2.069	2.069	0	%100
42	M76A	Z	-3.584	-3.584	0	%100
43	M77A	X	0	0	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	0	0	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	0	0	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	1.459	1.459	0	%100
50	M82	Z	-2.527	-2.527	0	%100
51	M83A	X	1.459	1.459	0	%100
52	M83A	Z	-2.527	-2.527	0	%100
53	M87	X	2.603	2.603	0	%100
54	M87	Z	-4.508	-4.508	0	%100
55	M88A	X	1.982	1.982	0	%100
56	M88A	Z	-3.432	-3.432	0	%100
57	M90	X	2.041	2.041	0	%100
58	M90	Z	-3.535	-3.535	0	%100
59	M92A	X	2.603	2.603	0	%100
60	M92A	Z	-4.508	-4.508	0	%100
61	M93	X	1.982	1.982	0	%100
62	M93	Z	-3.432	-3.432	0	%100
63	M66	X	2.041	2.041	0	%100
64	M66	Z	-3.535	-3.535	0	%100
65	M68A	X	2.041	2.041	0	%100
66	M68A	Z	-3.535	-3.535	0	%100
67	M70A	X	2.041	2.041	0	%100
68	M70A	Z	-3.535	-3.535	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
69	M72	X	0	0	%100
70	M72	Z	0	0	%100
71	M74A	X	0	0	%100
72	M74A	Z	0	0	%100
73	M76B	X	1.537	1.537	0
74	M76B	Z	-2.663	-2.663	0
75	M77B	X	1.537	1.537	0
76	M77B	Z	-2.663	-2.663	0
77	M78A	X	0	0	0
78	M78A	Z	0	0	0
79	MP1A	X	1.65	1.65	0
80	MP1A	Z	-2.858	-2.858	0
81	MP2A	X	1.65	1.65	0
82	MP2A	Z	-2.858	-2.858	0
83	MP3A	X	1.65	1.65	0
84	MP3A	Z	-2.858	-2.858	0
85	MP4A	X	1.65	1.65	0
86	MP4A	Z	-2.858	-2.858	0
87	MP5A	X	1.65	1.65	0
88	MP5A	Z	-2.858	-2.858	0
89	MP1C	X	1.65	1.65	0
90	MP1C	Z	-2.858	-2.858	0
91	MP2C	X	1.65	1.65	0
92	MP2C	Z	-2.858	-2.858	0
93	MP3C	X	1.65	1.65	0
94	MP3C	Z	-2.858	-2.858	0
95	MP5C	X	1.65	1.65	0
96	MP5C	Z	-2.858	-2.858	0
97	MP1B	X	1.65	1.65	0
98	MP1B	Z	-2.858	-2.858	0
99	MP2B	X	1.65	1.65	0
100	MP2B	Z	-2.858	-2.858	0
101	MP3B	X	1.65	1.65	0
102	MP3B	Z	-2.858	-2.858	0
103	MP4B	X	1.65	1.65	0
104	MP4B	Z	-2.858	-2.858	0
105	MP5B	X	1.65	1.65	0
106	MP5B	Z	-2.858	-2.858	0
107	MP4C	X	1.65	1.65	0
108	MP4C	Z	-2.858	-2.858	0
109	M318	X	1.36	1.36	0
110	M318	Z	-2.356	-2.356	0
111	M111	X	1.36	1.36	0
112	M111	Z	-2.356	-2.356	0
113	M110A	X	1.371	1.371	0
114	M110A	Z	-2.374	-2.374	0
115	M134	X	1.238	1.238	0
116	M134	Z	-2.144	-2.144	0
117	M135	X	0	0	0
118	M135	Z	0	0	0
119	M136	X	1.238	1.238	0
120	M136	Z	-2.144	-2.144	0
121	M135A	X	1.371	1.371	0
122	M135A	Z	-2.374	-2.374	0
123	M136A	X	0	0	0
124	M136A	Z	0	0	0

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
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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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	2.688	2.688	0	%100
2	M4	Z	-1.552	-1.552	0	%100
3	M10	X	.732	.732	0	%100
4	M10	Z	-.422	-.422	0	%100
5	M43	X	.732	.732	0	%100
6	M43	Z	-.422	-.422	0	%100
7	M46	X	1.146	1.146	0	%100
8	M46	Z	-.662	-.662	0	%100
9	M51B	X	3.37	3.37	0	%100
10	M51B	Z	-1.946	-1.946	0	%100
11	M52B	X	.842	.842	0	%100
12	M52B	Z	-.486	-.486	0	%100
13	M76	X	3.381	3.381	0	%100
14	M76	Z	-1.952	-1.952	0	%100
15	M77	X	4.576	4.576	0	%100
16	M77	Z	-2.642	-2.642	0	%100
17	M84	X	3.381	3.381	0	%100
18	M84	Z	-1.952	-1.952	0	%100
19	M85	X	1.144	1.144	0	%100
20	M85	Z	-.661	-.661	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	2.926	2.926	0	%100
24	M53	Z	-1.689	-1.689	0	%100
25	M54	X	2.926	2.926	0	%100
26	M54	Z	-1.689	-1.689	0	%100
27	M55	X	4.584	4.584	0	%100
28	M55	Z	-2.647	-2.647	0	%100
29	M58A	X	.842	.842	0	%100
30	M58A	Z	-.486	-.486	0	%100
31	M59A	X	.842	.842	0	%100
32	M59A	Z	-.486	-.486	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	1.144	1.144	0	%100
36	M64	Z	-.661	-.661	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	1.144	1.144	0	%100
40	M69	Z	-.661	-.661	0	%100
41	M76A	X	2.688	2.688	0	%100
42	M76A	Z	-1.552	-1.552	0	%100
43	M77A	X	.732	.732	0	%100
44	M77A	Z	-.422	-.422	0	%100
45	M78	X	.732	.732	0	%100
46	M78	Z	-.422	-.422	0	%100
47	M79A	X	1.146	1.146	0	%100
48	M79A	Z	-.662	-.662	0	%100
49	M82	X	.842	.842	0	%100
50	M82	Z	-.486	-.486	0	%100
51	M83A	X	3.37	3.37	0	%100
52	M83A	Z	-1.946	-1.946	0	%100
53	M87	X	3.381	3.381	0	%100
54	M87	Z	-1.952	-1.952	0	%100
55	M88A	X	1.144	1.144	0	%100
56	M88A	Z	-.661	-.661	0	%100
57	M90	X	1.178	1.178	0	%100
58	M90	Z	-.68	-.68	0	%100
59	M92A	X	3.381	3.381	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft,%)	End Location(ft,%)
60	M92A	Z	-1.952	-1.952	0 %100
61	M93	X	4.576	4.576	0 %100
62	M93	Z	-2.642	-2.642	0 %100
63	M66	X	1.178	1.178	0 %100
64	M66	Z	-.68	-.68	0 %100
65	M68A	X	4.713	4.713	0 %100
66	M68A	Z	-2.721	-2.721	0 %100
67	M70A	X	4.713	4.713	0 %100
68	M70A	Z	-2.721	-2.721	0 %100
69	M72	X	1.178	1.178	0 %100
70	M72	Z	-.68	-.68	0 %100
71	M74A	X	1.178	1.178	0 %100
72	M74A	Z	-.68	-.68	0 %100
73	M76B	X	.888	.888	0 %100
74	M76B	Z	-.512	-.512	0 %100
75	M77B	X	3.551	3.551	0 %100
76	M77B	Z	-2.05	-2.05	0 %100
77	M78A	X	.888	.888	0 %100
78	M78A	Z	-.512	-.512	0 %100
79	MP1A	X	2.858	2.858	0 %100
80	MP1A	Z	-1.65	-1.65	0 %100
81	MP2A	X	2.858	2.858	0 %100
82	MP2A	Z	-1.65	-1.65	0 %100
83	MP3A	X	2.858	2.858	0 %100
84	MP3A	Z	-1.65	-1.65	0 %100
85	MP4A	X	2.858	2.858	0 %100
86	MP4A	Z	-1.65	-1.65	0 %100
87	MP5A	X	2.858	2.858	0 %100
88	MP5A	Z	-1.65	-1.65	0 %100
89	MP1C	X	2.858	2.858	0 %100
90	MP1C	Z	-1.65	-1.65	0 %100
91	MP2C	X	2.858	2.858	0 %100
92	MP2C	Z	-1.65	-1.65	0 %100
93	MP3C	X	2.858	2.858	0 %100
94	MP3C	Z	-1.65	-1.65	0 %100
95	MP5C	X	2.858	2.858	0 %100
96	MP5C	Z	-1.65	-1.65	0 %100
97	MP1B	X	2.858	2.858	0 %100
98	MP1B	Z	-1.65	-1.65	0 %100
99	MP2B	X	2.858	2.858	0 %100
100	MP2B	Z	-1.65	-1.65	0 %100
101	MP3B	X	2.858	2.858	0 %100
102	MP3B	Z	-1.65	-1.65	0 %100
103	MP4B	X	2.858	2.858	0 %100
104	MP4B	Z	-1.65	-1.65	0 %100
105	MP5B	X	2.858	2.858	0 %100
106	MP5B	Z	-1.65	-1.65	0 %100
107	MP4C	X	2.858	2.858	0 %100
108	MP4C	Z	-1.65	-1.65	0 %100
109	M318	X	2.356	2.356	0 %100
110	M318	Z	-1.36	-1.36	0 %100
111	M111	X	2.356	2.356	0 %100
112	M111	Z	-1.36	-1.36	0 %100
113	M110A	X	.791	.791	0 %100
114	M110A	Z	-.457	-.457	0 %100
115	M134	X	2.859	2.859	0 %100
116	M134	Z	-1.651	-1.651	0 %100
117	M135	X	.715	.715	0 %100
118	M135	Z	-.413	-.413	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
119	M136	X	.715	.715	0	%100
120	M136	Z	-413	-413	0	%100
121	M135A	X	3.166	3.166	0	%100
122	M135A	Z	-1.828	-1.828	0	%100
123	M136A	X	.791	.791	0	%100
124	M136A	Z	-.457	-.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft...]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	4.139	4.139	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.918	2.918	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.918	2.918	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	5.205	5.205	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.963	3.963	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	5.205	5.205	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	3.963	3.963	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	1.035	1.035	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	2.534	2.534	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	2.534	2.534	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	3.97	3.97	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	2.918	2.918	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	1.301	1.301	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	3.963	3.963	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	1.301	1.301	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	1.035	1.035	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	2.534	2.534	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	2.534	2.534	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	3.97	3.97	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
50	M82	Z	0	0	%100
51	M83A	X	2.918	2.918	%100
52	M83A	Z	0	0	%100
53	M87	X	1.301	1.301	%100
54	M87	Z	0	0	%100
55	M88A	X	0	0	%100
56	M88A	Z	0	0	%100
57	M90	X	0	0	%100
58	M90	Z	0	0	%100
59	M92A	X	1.301	1.301	%100
60	M92A	Z	0	0	%100
61	M93	X	3.963	3.963	%100
62	M93	Z	0	0	%100
63	M66	X	0	0	%100
64	M66	Z	0	0	%100
65	M68A	X	4.082	4.082	%100
66	M68A	Z	0	0	%100
67	M70A	X	4.082	4.082	%100
68	M70A	Z	0	0	%100
69	M72	X	4.082	4.082	%100
70	M72	Z	0	0	%100
71	M74A	X	4.082	4.082	%100
72	M74A	Z	0	0	%100
73	M76B	X	0	0	%100
74	M76B	Z	0	0	%100
75	M77B	X	3.075	3.075	%100
76	M77B	Z	0	0	%100
77	M78A	X	3.075	3.075	%100
78	M78A	Z	0	0	%100
79	MP1A	X	3.3	3.3	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	3.3	3.3	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	3.3	3.3	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	3.3	3.3	%100
86	MP4A	Z	0	0	%100
87	MP5A	X	3.3	3.3	%100
88	MP5A	Z	0	0	%100
89	MP1C	X	3.3	3.3	%100
90	MP1C	Z	0	0	%100
91	MP2C	X	3.3	3.3	%100
92	MP2C	Z	0	0	%100
93	MP3C	X	3.3	3.3	%100
94	MP3C	Z	0	0	%100
95	MP5C	X	3.3	3.3	%100
96	MP5C	Z	0	0	%100
97	MP1B	X	3.3	3.3	%100
98	MP1B	Z	0	0	%100
99	MP2B	X	3.3	3.3	%100
100	MP2B	Z	0	0	%100
101	MP3B	X	3.3	3.3	%100
102	MP3B	Z	0	0	%100
103	MP4B	X	3.3	3.3	%100
104	MP4B	Z	0	0	%100
105	MP5B	X	3.3	3.3	%100
106	MP5B	Z	0	0	%100
107	MP4C	X	3.3	3.3	%100
108	MP4C	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M318	X	2.72	2.72	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	2.72	2.72	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	2.476	2.476	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	2.476	2.476	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	2.742	2.742	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	2.742	2.742	0	%100
124	M136A	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	2.688	2.688	0	%100
2	M4	Z	1.552	1.552	0	%100
3	M10	X	.732	.732	0	%100
4	M10	Z	.422	.422	0	%100
5	M43	X	.732	.732	0	%100
6	M43	Z	.422	.422	0	%100
7	M46	X	1.146	1.146	0	%100
8	M46	Z	.662	.662	0	%100
9	M51B	X	.842	.842	0	%100
10	M51B	Z	.486	.486	0	%100
11	M52B	X	3.37	3.37	0	%100
12	M52B	Z	1.946	1.946	0	%100
13	M76	X	3.381	3.381	0	%100
14	M76	Z	1.952	1.952	0	%100
15	M77	X	1.144	1.144	0	%100
16	M77	Z	.661	.661	0	%100
17	M84	X	3.381	3.381	0	%100
18	M84	Z	1.952	1.952	0	%100
19	M85	X	4.576	4.576	0	%100
20	M85	Z	2.642	2.642	0	%100
21	M52A	X	2.688	2.688	0	%100
22	M52A	Z	1.552	1.552	0	%100
23	M53	X	.732	.732	0	%100
24	M53	Z	.422	.422	0	%100
25	M54	X	.732	.732	0	%100
26	M54	Z	.422	.422	0	%100
27	M55	X	1.146	1.146	0	%100
28	M55	Z	.662	.662	0	%100
29	M58A	X	3.37	3.37	0	%100
30	M58A	Z	1.946	1.946	0	%100
31	M59A	X	.842	.842	0	%100
32	M59A	Z	.486	.486	0	%100
33	M63	X	3.381	3.381	0	%100
34	M63	Z	1.952	1.952	0	%100
35	M64	X	4.576	4.576	0	%100
36	M64	Z	2.642	2.642	0	%100
37	M68	X	3.381	3.381	0	%100
38	M68	Z	1.952	1.952	0	%100
39	M69	X	1.144	1.144	0	%100



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.%)
40	M69	Z	.661	.661	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	2.926	2.926	0 %100
44	M77A	Z	1.689	1.689	0 %100
45	M78	X	2.926	2.926	0 %100
46	M78	Z	1.689	1.689	0 %100
47	M79A	X	4.584	4.584	0 %100
48	M79A	Z	2.647	2.647	0 %100
49	M82	X	.842	.842	0 %100
50	M82	Z	.486	.486	0 %100
51	M83A	X	.842	.842	0 %100
52	M83A	Z	.486	.486	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	1.144	1.144	0 %100
56	M88A	Z	.661	.661	0 %100
57	M90	X	1.178	1.178	0 %100
58	M90	Z	.68	.68	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	1.144	1.144	0 %100
62	M93	Z	.661	.661	0 %100
63	M66	X	1.178	1.178	0 %100
64	M66	Z	.68	.68	0 %100
65	M68A	X	1.178	1.178	0 %100
66	M68A	Z	.68	.68	0 %100
67	M70A	X	1.178	1.178	0 %100
68	M70A	Z	.68	.68	0 %100
69	M72	X	4.713	4.713	0 %100
70	M72	Z	2.721	2.721	0 %100
71	M74A	X	4.713	4.713	0 %100
72	M74A	Z	2.721	2.721	0 %100
73	M76B	X	.888	.888	0 %100
74	M76B	Z	.512	.512	0 %100
75	M77B	X	.888	.888	0 %100
76	M77B	Z	.512	.512	0 %100
77	M78A	X	3.551	3.551	0 %100
78	M78A	Z	2.05	2.05	0 %100
79	MP1A	X	2.858	2.858	0 %100
80	MP1A	Z	1.65	1.65	0 %100
81	MP2A	X	2.858	2.858	0 %100
82	MP2A	Z	1.65	1.65	0 %100
83	MP3A	X	2.858	2.858	0 %100
84	MP3A	Z	1.65	1.65	0 %100
85	MP4A	X	2.858	2.858	0 %100
86	MP4A	Z	1.65	1.65	0 %100
87	MP5A	X	2.858	2.858	0 %100
88	MP5A	Z	1.65	1.65	0 %100
89	MP1C	X	2.858	2.858	0 %100
90	MP1C	Z	1.65	1.65	0 %100
91	MP2C	X	2.858	2.858	0 %100
92	MP2C	Z	1.65	1.65	0 %100
93	MP3C	X	2.858	2.858	0 %100
94	MP3C	Z	1.65	1.65	0 %100
95	MP5C	X	2.858	2.858	0 %100
96	MP5C	Z	1.65	1.65	0 %100
97	MP1B	X	2.858	2.858	0 %100
98	MP1B	Z	1.65	1.65	0 %100



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.%]
99	MP2B	X	2.858	2.858	0	%100
100	MP2B	Z	1.65	1.65	0	%100
101	MP3B	X	2.858	2.858	0	%100
102	MP3B	Z	1.65	1.65	0	%100
103	MP4B	X	2.858	2.858	0	%100
104	MP4B	Z	1.65	1.65	0	%100
105	MP5B	X	2.858	2.858	0	%100
106	MP5B	Z	1.65	1.65	0	%100
107	MP4C	X	2.858	2.858	0	%100
108	MP4C	Z	1.65	1.65	0	%100
109	M318	X	2.356	2.356	0	%100
110	M318	Z	1.36	1.36	0	%100
111	M111	X	2.356	2.356	0	%100
112	M111	Z	1.36	1.36	0	%100
113	M110A	X	.791	.791	0	%100
114	M110A	Z	.457	.457	0	%100
115	M134	X	.715	.715	0	%100
116	M134	Z	.413	.413	0	%100
117	M135	X	2.859	2.859	0	%100
118	M135	Z	1.651	1.651	0	%100
119	M136	X	.715	.715	0	%100
120	M136	Z	.413	.413	0	%100
121	M135A	X	.791	.791	0	%100
122	M135A	Z	.457	.457	0	%100
123	M136A	X	3.166	3.166	0	%100
124	M136A	Z	1.828	1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.517	.517	0	%100
2	M4	Z	.896	.896	0	%100
3	M10	X	1.267	1.267	0	%100
4	M10	Z	2.195	2.195	0	%100
5	M43	X	1.267	1.267	0	%100
6	M43	Z	2.195	2.195	0	%100
7	M46	X	1.985	1.985	0	%100
8	M46	Z	3.438	3.438	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.459	1.459	0	%100
12	M52B	Z	2.527	2.527	0	%100
13	M76	X	.651	.651	0	%100
14	M76	Z	1.127	1.127	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	.651	.651	0	%100
18	M84	Z	1.127	1.127	0	%100
19	M85	X	1.982	1.982	0	%100
20	M85	Z	3.432	3.432	0	%100
21	M52A	X	2.069	2.069	0	%100
22	M52A	Z	3.584	3.584	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	1.459	1.459	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
30	M58A	Z	2.527	2.527	0	%100
31	M59A	X	1.459	1.459	0	%100
32	M59A	Z	2.527	2.527	0	%100
33	M63	X	2.603	2.603	0	%100
34	M63	Z	4.508	4.508	0	%100
35	M64	X	1.982	1.982	0	%100
36	M64	Z	3.432	3.432	0	%100
37	M68	X	2.603	2.603	0	%100
38	M68	Z	4.508	4.508	0	%100
39	M69	X	1.982	1.982	0	%100
40	M69	Z	3.432	3.432	0	%100
41	M76A	X	.517	.517	0	%100
42	M76A	Z	.896	.896	0	%100
43	M77A	X	1.267	1.267	0	%100
44	M77A	Z	2.195	2.195	0	%100
45	M78	X	1.267	1.267	0	%100
46	M78	Z	2.195	2.195	0	%100
47	M79A	X	1.985	1.985	0	%100
48	M79A	Z	3.438	3.438	0	%100
49	M82	X	1.459	1.459	0	%100
50	M82	Z	2.527	2.527	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	.651	.651	0	%100
54	M87	Z	1.127	1.127	0	%100
55	M88A	X	1.982	1.982	0	%100
56	M88A	Z	3.432	3.432	0	%100
57	M90	X	2.041	2.041	0	%100
58	M90	Z	3.535	3.535	0	%100
59	M92A	X	.651	.651	0	%100
60	M92A	Z	1.127	1.127	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	2.041	2.041	0	%100
64	M66	Z	3.535	3.535	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	2.041	2.041	0	%100
70	M72	Z	3.535	3.535	0	%100
71	M74A	X	2.041	2.041	0	%100
72	M74A	Z	3.535	3.535	0	%100
73	M76B	X	1.537	1.537	0	%100
74	M76B	Z	2.663	2.663	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	1.537	1.537	0	%100
78	M78A	Z	2.663	2.663	0	%100
79	MP1A	X	1.65	1.65	0	%100
80	MP1A	Z	2.858	2.858	0	%100
81	MP2A	X	1.65	1.65	0	%100
82	MP2A	Z	2.858	2.858	0	%100
83	MP3A	X	1.65	1.65	0	%100
84	MP3A	Z	2.858	2.858	0	%100
85	MP4A	X	1.65	1.65	0	%100
86	MP4A	Z	2.858	2.858	0	%100
87	MP5A	X	1.65	1.65	0	%100
88	MP5A	Z	2.858	2.858	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
89	MP1C	X	1.65	1.65	0	%100
90	MP1C	Z	2.858	2.858	0	%100
91	MP2C	X	1.65	1.65	0	%100
92	MP2C	Z	2.858	2.858	0	%100
93	MP3C	X	1.65	1.65	0	%100
94	MP3C	Z	2.858	2.858	0	%100
95	MP5C	X	1.65	1.65	0	%100
96	MP5C	Z	2.858	2.858	0	%100
97	MP1B	X	1.65	1.65	0	%100
98	MP1B	Z	2.858	2.858	0	%100
99	MP2B	X	1.65	1.65	0	%100
100	MP2B	Z	2.858	2.858	0	%100
101	MP3B	X	1.65	1.65	0	%100
102	MP3B	Z	2.858	2.858	0	%100
103	MP4B	X	1.65	1.65	0	%100
104	MP4B	Z	2.858	2.858	0	%100
105	MP5B	X	1.65	1.65	0	%100
106	MP5B	Z	2.858	2.858	0	%100
107	MP4C	X	1.65	1.65	0	%100
108	MP4C	Z	2.858	2.858	0	%100
109	M318	X	1.36	1.36	0	%100
110	M318	Z	2.356	2.356	0	%100
111	M111	X	1.36	1.36	0	%100
112	M111	Z	2.356	2.356	0	%100
113	M110A	X	1.371	1.371	0	%100
114	M110A	Z	2.374	2.374	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	1.238	1.238	0	%100
118	M135	Z	2.144	2.144	0	%100
119	M136	X	1.238	1.238	0	%100
120	M136	Z	2.144	2.144	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	1.371	1.371	0	%100
124	M136A	Z	2.374	2.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.379	3.379	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.379	3.379	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	5.293	5.293	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.973	.973	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.973	.973	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.321	1.321	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
20	M85	Z	1.321	1.321	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	3.104	3.104	0 %100
23	M53	X	0	0	0 %100
24	M53	Z	.845	.845	0 %100
25	M54	X	0	0	0 %100
26	M54	Z	.845	.845	0 %100
27	M55	X	0	0	0 %100
28	M55	Z	1.323	1.323	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	.973	.973	0 %100
31	M59A	X	0	0	0 %100
32	M59A	Z	3.891	3.891	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	3.904	3.904	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	1.321	1.321	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	3.904	3.904	0 %100
39	M69	X	0	0	0 %100
40	M69	Z	5.284	5.284	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	3.104	3.104	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	.845	.845	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	.845	.845	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	1.323	1.323	0 %100
49	M82	X	0	0	0 %100
50	M82	Z	3.891	3.891	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	.973	.973	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	3.904	3.904	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	5.284	5.284	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	5.442	5.442	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	3.904	3.904	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	1.321	1.321	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	5.442	5.442	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	1.361	1.361	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	1.361	1.361	0 %100
69	M72	X	0	0	0 %100
70	M72	Z	1.361	1.361	0 %100
71	M74A	X	0	0	0 %100
72	M74A	Z	1.361	1.361	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	4.1	4.1	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	1.025	1.025	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	1.025	1.025	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.3	3.3	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.3	3.3	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.3	3.3	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.3	3.3	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	3.3	3.3	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	3.3	3.3	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.3	3.3	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	3.3	3.3	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	3.3	3.3	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	3.3	3.3	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.3	3.3	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	3.3	3.3	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.3	3.3	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	3.3	3.3	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	3.3	3.3	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	2.72	2.72	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	2.72	2.72	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	3.656	3.656	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	.825	.825	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	.825	.825	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	3.301	3.301	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	.914	.914	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	.914	.914	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-517	-517	0	%100
2	M4	Z	.896	.896	0	%100
3	M10	X	-1.267	-1.267	0	%100
4	M10	Z	2.195	2.195	0	%100
5	M43	X	-1.267	-1.267	0	%100
6	M43	Z	2.195	2.195	0	%100
7	M46	X	-1.985	-1.985	0	%100
8	M46	Z	3.438	3.438	0	%100
9	M51B	X	-1.459	-1.459	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft,%)	End Location(ft,%)
10	M51B	Z	2.527	2.527	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	-0.651	-0.651	0 %100
14	M76	Z	1.127	1.127	0 %100
15	M77	X	-1.982	-1.982	0 %100
16	M77	Z	3.432	3.432	0 %100
17	M84	X	-0.651	-0.651	0 %100
18	M84	Z	1.127	1.127	0 %100
19	M85	X	0	0	0 %100
20	M85	Z	0	0	0 %100
21	M52A	X	-0.517	-0.517	0 %100
22	M52A	Z	0.896	0.896	0 %100
23	M53	X	-1.267	-1.267	0 %100
24	M53	Z	2.195	2.195	0 %100
25	M54	X	-1.267	-1.267	0 %100
26	M54	Z	2.195	2.195	0 %100
27	M55	X	-1.985	-1.985	0 %100
28	M55	Z	3.438	3.438	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	0	0	0 %100
31	M59A	X	-1.459	-1.459	0 %100
32	M59A	Z	2.527	2.527	0 %100
33	M63	X	-0.651	-0.651	0 %100
34	M63	Z	1.127	1.127	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	0	0	0 %100
37	M68	X	-0.651	-0.651	0 %100
38	M68	Z	1.127	1.127	0 %100
39	M69	X	-1.982	-1.982	0 %100
40	M69	Z	3.432	3.432	0 %100
41	M76A	X	-2.069	-2.069	0 %100
42	M76A	Z	3.584	3.584	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	0	0	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	0	0	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	0	0	0 %100
49	M82	X	-1.459	-1.459	0 %100
50	M82	Z	2.527	2.527	0 %100
51	M83A	X	-1.459	-1.459	0 %100
52	M83A	Z	2.527	2.527	0 %100
53	M87	X	-2.603	-2.603	0 %100
54	M87	Z	4.508	4.508	0 %100
55	M88A	X	-1.982	-1.982	0 %100
56	M88A	Z	3.432	3.432	0 %100
57	M90	X	-2.041	-2.041	0 %100
58	M90	Z	3.535	3.535	0 %100
59	M92A	X	-2.603	-2.603	0 %100
60	M92A	Z	4.508	4.508	0 %100
61	M93	X	-1.982	-1.982	0 %100
62	M93	Z	3.432	3.432	0 %100
63	M66	X	-2.041	-2.041	0 %100
64	M66	Z	3.535	3.535	0 %100
65	M68A	X	-2.041	-2.041	0 %100
66	M68A	Z	3.535	3.535	0 %100
67	M70A	X	-2.041	-2.041	0 %100
68	M70A	Z	3.535	3.535	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft. %)	End Location(ft. %)
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	-1.537	-1.537	0	%100
74	M76B	Z	2.663	2.663	0	%100
75	M77B	X	-1.537	-1.537	0	%100
76	M77B	Z	2.663	2.663	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-1.65	-1.65	0	%100
80	MP1A	Z	2.858	2.858	0	%100
81	MP2A	X	-1.65	-1.65	0	%100
82	MP2A	Z	2.858	2.858	0	%100
83	MP3A	X	-1.65	-1.65	0	%100
84	MP3A	Z	2.858	2.858	0	%100
85	MP4A	X	-1.65	-1.65	0	%100
86	MP4A	Z	2.858	2.858	0	%100
87	MP5A	X	-1.65	-1.65	0	%100
88	MP5A	Z	2.858	2.858	0	%100
89	MP1C	X	-1.65	-1.65	0	%100
90	MP1C	Z	2.858	2.858	0	%100
91	MP2C	X	-1.65	-1.65	0	%100
92	MP2C	Z	2.858	2.858	0	%100
93	MP3C	X	-1.65	-1.65	0	%100
94	MP3C	Z	2.858	2.858	0	%100
95	MP5C	X	-1.65	-1.65	0	%100
96	MP5C	Z	2.858	2.858	0	%100
97	MP1B	X	-1.65	-1.65	0	%100
98	MP1B	Z	2.858	2.858	0	%100
99	MP2B	X	-1.65	-1.65	0	%100
100	MP2B	Z	2.858	2.858	0	%100
101	MP3B	X	-1.65	-1.65	0	%100
102	MP3B	Z	2.858	2.858	0	%100
103	MP4B	X	-1.65	-1.65	0	%100
104	MP4B	Z	2.858	2.858	0	%100
105	MP5B	X	-1.65	-1.65	0	%100
106	MP5B	Z	2.858	2.858	0	%100
107	MP4C	X	-1.65	-1.65	0	%100
108	MP4C	Z	2.858	2.858	0	%100
109	M318	X	-1.36	-1.36	0	%100
110	M318	Z	2.356	2.356	0	%100
111	M111	X	-1.36	-1.36	0	%100
112	M111	Z	2.356	2.356	0	%100
113	M110A	X	-1.371	-1.371	0	%100
114	M110A	Z	2.374	2.374	0	%100
115	M134	X	-1.238	-1.238	0	%100
116	M134	Z	2.144	2.144	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	-1.238	-1.238	0	%100
120	M136	Z	2.144	2.144	0	%100
121	M135A	X	-1.371	-1.371	0	%100
122	M135A	Z	2.374	2.374	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	0	0	0	%100

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-2.688	-2.688	0	%100
2	M4	Z	1.552	1.552	0	%100
3	M10	X	-.732	-.732	0	%100
4	M10	Z	.422	.422	0	%100
5	M43	X	-.732	-.732	0	%100
6	M43	Z	.422	.422	0	%100
7	M46	X	-1.146	-1.146	0	%100
8	M46	Z	.662	.662	0	%100
9	M51B	X	-3.37	-3.37	0	%100
10	M51B	Z	1.946	1.946	0	%100
11	M52B	X	-.842	-.842	0	%100
12	M52B	Z	.486	.486	0	%100
13	M76	X	-3.381	-3.381	0	%100
14	M76	Z	1.952	1.952	0	%100
15	M77	X	-4.576	-4.576	0	%100
16	M77	Z	2.642	2.642	0	%100
17	M84	X	-3.381	-3.381	0	%100
18	M84	Z	1.952	1.952	0	%100
19	M85	X	-1.144	-1.144	0	%100
20	M85	Z	.661	.661	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-2.926	-2.926	0	%100
24	M53	Z	1.689	1.689	0	%100
25	M54	X	-2.926	-2.926	0	%100
26	M54	Z	1.689	1.689	0	%100
27	M55	X	-4.584	-4.584	0	%100
28	M55	Z	2.647	2.647	0	%100
29	M58A	X	-.842	-.842	0	%100
30	M58A	Z	.486	.486	0	%100
31	M59A	X	-.842	-.842	0	%100
32	M59A	Z	.486	.486	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-1.144	-1.144	0	%100
36	M64	Z	.661	.661	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	-1.144	-1.144	0	%100
40	M69	Z	.661	.661	0	%100
41	M76A	X	-2.688	-2.688	0	%100
42	M76A	Z	1.552	1.552	0	%100
43	M77A	X	-.732	-.732	0	%100
44	M77A	Z	.422	.422	0	%100
45	M78	X	-.732	-.732	0	%100
46	M78	Z	.422	.422	0	%100
47	M79A	X	-1.146	-1.146	0	%100
48	M79A	Z	.662	.662	0	%100
49	M82	X	-.842	-.842	0	%100
50	M82	Z	.486	.486	0	%100
51	M83A	X	-3.37	-3.37	0	%100
52	M83A	Z	1.946	1.946	0	%100
53	M87	X	-3.381	-3.381	0	%100
54	M87	Z	1.952	1.952	0	%100
55	M88A	X	-1.144	-1.144	0	%100
56	M88A	Z	.661	.661	0	%100
57	M90	X	-1.178	-1.178	0	%100
58	M90	Z	.68	.68	0	%100
59	M92A	X	-3.381	-3.381	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
60	M92A	Z	1.952	1.952	0 %100
61	M93	X	-4.576	-4.576	0 %100
62	M93	Z	2.642	2.642	0 %100
63	M66	X	-1.178	-1.178	0 %100
64	M66	Z	.68	.68	0 %100
65	M68A	X	-4.713	-4.713	0 %100
66	M68A	Z	2.721	2.721	0 %100
67	M70A	X	-4.713	-4.713	0 %100
68	M70A	Z	2.721	2.721	0 %100
69	M72	X	-1.178	-1.178	0 %100
70	M72	Z	.68	.68	0 %100
71	M74A	X	-1.178	-1.178	0 %100
72	M74A	Z	.68	.68	0 %100
73	M76B	X	-.888	-.888	0 %100
74	M76B	Z	.512	.512	0 %100
75	M77B	X	-3.551	-3.551	0 %100
76	M77B	Z	2.05	2.05	0 %100
77	M78A	X	-.888	-.888	0 %100
78	M78A	Z	.512	.512	0 %100
79	MP1A	X	-2.858	-2.858	0 %100
80	MP1A	Z	1.65	1.65	0 %100
81	MP2A	X	-2.858	-2.858	0 %100
82	MP2A	Z	1.65	1.65	0 %100
83	MP3A	X	-2.858	-2.858	0 %100
84	MP3A	Z	1.65	1.65	0 %100
85	MP4A	X	-2.858	-2.858	0 %100
86	MP4A	Z	1.65	1.65	0 %100
87	MP5A	X	-2.858	-2.858	0 %100
88	MP5A	Z	1.65	1.65	0 %100
89	MP1C	X	-2.858	-2.858	0 %100
90	MP1C	Z	1.65	1.65	0 %100
91	MP2C	X	-2.858	-2.858	0 %100
92	MP2C	Z	1.65	1.65	0 %100
93	MP3C	X	-2.858	-2.858	0 %100
94	MP3C	Z	1.65	1.65	0 %100
95	MP5C	X	-2.858	-2.858	0 %100
96	MP5C	Z	1.65	1.65	0 %100
97	MP1B	X	-2.858	-2.858	0 %100
98	MP1B	Z	1.65	1.65	0 %100
99	MP2B	X	-2.858	-2.858	0 %100
100	MP2B	Z	1.65	1.65	0 %100
101	MP3B	X	-2.858	-2.858	0 %100
102	MP3B	Z	1.65	1.65	0 %100
103	MP4B	X	-2.858	-2.858	0 %100
104	MP4B	Z	1.65	1.65	0 %100
105	MP5B	X	-2.858	-2.858	0 %100
106	MP5B	Z	1.65	1.65	0 %100
107	MP4C	X	-2.858	-2.858	0 %100
108	MP4C	Z	1.65	1.65	0 %100
109	M318	X	-2.356	-2.356	0 %100
110	M318	Z	1.36	1.36	0 %100
111	M111	X	-2.356	-2.356	0 %100
112	M111	Z	1.36	1.36	0 %100
113	M110A	X	-.791	-.791	0 %100
114	M110A	Z	.457	.457	0 %100
115	M134	X	-2.859	-2.859	0 %100
116	M134	Z	1.651	1.651	0 %100
117	M135	X	-.715	-.715	0 %100
118	M135	Z	.413	.413	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
119	M136	X	-0.715	-0.715	0	%100
120	M136	Z	.413	.413	0	%100
121	M135A	X	-3.166	-3.166	0	%100
122	M135A	Z	1.828	1.828	0	%100
123	M136A	X	-.791	-.791	0	%100
124	M136A	Z	.457	.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-4.139	-4.139	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.918	-2.918	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.918	-2.918	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-5.205	-5.205	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.963	-3.963	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-5.205	-5.205	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-3.963	-3.963	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-1.035	-1.035	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-2.534	-2.534	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-2.534	-2.534	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-3.97	-3.97	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-2.918	-2.918	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-1.301	-1.301	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-3.963	-3.963	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-1.301	-1.301	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-1.035	-1.035	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-2.534	-2.534	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	-2.534	-2.534	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-3.97	-3.97	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft...	Start Location[ft.%]	End Location[ft.%]
50	M82	Z	0	0	%100
51	M83A	X	-2.918	-2.918	%100
52	M83A	Z	0	0	%100
53	M87	X	-1.301	-1.301	%100
54	M87	Z	0	0	%100
55	M88A	X	0	0	%100
56	M88A	Z	0	0	%100
57	M90	X	0	0	%100
58	M90	Z	0	0	%100
59	M92A	X	-1.301	-1.301	%100
60	M92A	Z	0	0	%100
61	M93	X	-3.963	-3.963	%100
62	M93	Z	0	0	%100
63	M66	X	0	0	%100
64	M66	Z	0	0	%100
65	M68A	X	-4.082	-4.082	%100
66	M68A	Z	0	0	%100
67	M70A	X	-4.082	-4.082	%100
68	M70A	Z	0	0	%100
69	M72	X	-4.082	-4.082	%100
70	M72	Z	0	0	%100
71	M74A	X	-4.082	-4.082	%100
72	M74A	Z	0	0	%100
73	M76B	X	0	0	%100
74	M76B	Z	0	0	%100
75	M77B	X	-3.075	-3.075	%100
76	M77B	Z	0	0	%100
77	M78A	X	-3.075	-3.075	%100
78	M78A	Z	0	0	%100
79	MP1A	X	-3.3	-3.3	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	-3.3	-3.3	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	-3.3	-3.3	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	-3.3	-3.3	%100
86	MP4A	Z	0	0	%100
87	MP5A	X	-3.3	-3.3	%100
88	MP5A	Z	0	0	%100
89	MP1C	X	-3.3	-3.3	%100
90	MP1C	Z	0	0	%100
91	MP2C	X	-3.3	-3.3	%100
92	MP2C	Z	0	0	%100
93	MP3C	X	-3.3	-3.3	%100
94	MP3C	Z	0	0	%100
95	MP5C	X	-3.3	-3.3	%100
96	MP5C	Z	0	0	%100
97	MP1B	X	-3.3	-3.3	%100
98	MP1B	Z	0	0	%100
99	MP2B	X	-3.3	-3.3	%100
100	MP2B	Z	0	0	%100
101	MP3B	X	-3.3	-3.3	%100
102	MP3B	Z	0	0	%100
103	MP4B	X	-3.3	-3.3	%100
104	MP4B	Z	0	0	%100
105	MP5B	X	-3.3	-3.3	%100
106	MP5B	Z	0	0	%100
107	MP4C	X	-3.3	-3.3	%100
108	MP4C	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
109	M318	X	-2.72	-2.72	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-2.72	-2.72	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	-2.476	-2.476	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	-2.476	-2.476	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	-2.742	-2.742	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	-2.742	-2.742	0	%100
124	M136A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-2.688	-2.688	0	%100
2	M4	Z	-1.552	-1.552	0	%100
3	M10	X	-732	-732	0	%100
4	M10	Z	-422	-422	0	%100
5	M43	X	-732	-732	0	%100
6	M43	Z	-422	-422	0	%100
7	M46	X	-1.146	-1.146	0	%100
8	M46	Z	-662	-662	0	%100
9	M51B	X	-842	-842	0	%100
10	M51B	Z	-486	-486	0	%100
11	M52B	X	-3.37	-3.37	0	%100
12	M52B	Z	-1.946	-1.946	0	%100
13	M76	X	-3.381	-3.381	0	%100
14	M76	Z	-1.952	-1.952	0	%100
15	M77	X	-1.144	-1.144	0	%100
16	M77	Z	-661	-661	0	%100
17	M84	X	-3.381	-3.381	0	%100
18	M84	Z	-1.952	-1.952	0	%100
19	M85	X	-4.576	-4.576	0	%100
20	M85	Z	-2.642	-2.642	0	%100
21	M52A	X	-2.688	-2.688	0	%100
22	M52A	Z	-1.552	-1.552	0	%100
23	M53	X	-732	-732	0	%100
24	M53	Z	-422	-422	0	%100
25	M54	X	-732	-732	0	%100
26	M54	Z	-422	-422	0	%100
27	M55	X	-1.146	-1.146	0	%100
28	M55	Z	-662	-662	0	%100
29	M58A	X	-3.37	-3.37	0	%100
30	M58A	Z	-1.946	-1.946	0	%100
31	M59A	X	-842	-842	0	%100
32	M59A	Z	-486	-486	0	%100
33	M63	X	-3.381	-3.381	0	%100
34	M63	Z	-1.952	-1.952	0	%100
35	M64	X	-4.576	-4.576	0	%100
36	M64	Z	-2.642	-2.642	0	%100
37	M68	X	-3.381	-3.381	0	%100
38	M68	Z	-1.952	-1.952	0	%100
39	M69	X	-1.144	-1.144	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
40	M69	Z	-661	-661	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	-2.926	-2.926	0 %100
44	M77A	Z	-1.689	-1.689	0 %100
45	M78	X	-2.926	-2.926	0 %100
46	M78	Z	-1.689	-1.689	0 %100
47	M79A	X	-4.584	-4.584	0 %100
48	M79A	Z	-2.647	-2.647	0 %100
49	M82	X	-842	-842	0 %100
50	M82	Z	-486	-486	0 %100
51	M83A	X	-842	-842	0 %100
52	M83A	Z	-486	-486	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	-1.144	-1.144	0 %100
56	M88A	Z	-661	-661	0 %100
57	M90	X	-1.178	-1.178	0 %100
58	M90	Z	-68	-68	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	-1.144	-1.144	0 %100
62	M93	Z	-661	-661	0 %100
63	M66	X	-1.178	-1.178	0 %100
64	M66	Z	-68	-68	0 %100
65	M68A	X	-1.178	-1.178	0 %100
66	M68A	Z	-68	-68	0 %100
67	M70A	X	-1.178	-1.178	0 %100
68	M70A	Z	-68	-68	0 %100
69	M72	X	-4.713	-4.713	0 %100
70	M72	Z	-2.721	-2.721	0 %100
71	M74A	X	-4.713	-4.713	0 %100
72	M74A	Z	-2.721	-2.721	0 %100
73	M76B	X	-888	-888	0 %100
74	M76B	Z	-512	-512	0 %100
75	M77B	X	-888	-888	0 %100
76	M77B	Z	-512	-512	0 %100
77	M78A	X	-3.551	-3.551	0 %100
78	M78A	Z	-2.05	-2.05	0 %100
79	MP1A	X	-2.858	-2.858	0 %100
80	MP1A	Z	-1.65	-1.65	0 %100
81	MP2A	X	-2.858	-2.858	0 %100
82	MP2A	Z	-1.65	-1.65	0 %100
83	MP3A	X	-2.858	-2.858	0 %100
84	MP3A	Z	-1.65	-1.65	0 %100
85	MP4A	X	-2.858	-2.858	0 %100
86	MP4A	Z	-1.65	-1.65	0 %100
87	MP5A	X	-2.858	-2.858	0 %100
88	MP5A	Z	-1.65	-1.65	0 %100
89	MP1C	X	-2.858	-2.858	0 %100
90	MP1C	Z	-1.65	-1.65	0 %100
91	MP2C	X	-2.858	-2.858	0 %100
92	MP2C	Z	-1.65	-1.65	0 %100
93	MP3C	X	-2.858	-2.858	0 %100
94	MP3C	Z	-1.65	-1.65	0 %100
95	MP5C	X	-2.858	-2.858	0 %100
96	MP5C	Z	-1.65	-1.65	0 %100
97	MP1B	X	-2.858	-2.858	0 %100
98	MP1B	Z	-1.65	-1.65	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
99	MP2B	X	-2.858	-2.858	0	%100
100	MP2B	Z	-1.65	-1.65	0	%100
101	MP3B	X	-2.858	-2.858	0	%100
102	MP3B	Z	-1.65	-1.65	0	%100
103	MP4B	X	-2.858	-2.858	0	%100
104	MP4B	Z	-1.65	-1.65	0	%100
105	MP5B	X	-2.858	-2.858	0	%100
106	MP5B	Z	-1.65	-1.65	0	%100
107	MP4C	X	-2.858	-2.858	0	%100
108	MP4C	Z	-1.65	-1.65	0	%100
109	M318	X	-2.356	-2.356	0	%100
110	M318	Z	-1.36	-1.36	0	%100
111	M111	X	-2.356	-2.356	0	%100
112	M111	Z	-1.36	-1.36	0	%100
113	M110A	X	-.791	-.791	0	%100
114	M110A	Z	-.457	-.457	0	%100
115	M134	X	-.715	-.715	0	%100
116	M134	Z	-.413	-.413	0	%100
117	M135	X	-2.859	-2.859	0	%100
118	M135	Z	-1.651	-1.651	0	%100
119	M136	X	-.715	-.715	0	%100
120	M136	Z	-.413	-.413	0	%100
121	M135A	X	-.791	-.791	0	%100
122	M135A	Z	-.457	-.457	0	%100
123	M136A	X	-3.166	-3.166	0	%100
124	M136A	Z	-1.828	-1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.517	-.517	0	%100
2	M4	Z	-.896	-.896	0	%100
3	M10	X	-1.267	-1.267	0	%100
4	M10	Z	-2.195	-2.195	0	%100
5	M43	X	-1.267	-1.267	0	%100
6	M43	Z	-2.195	-2.195	0	%100
7	M46	X	-1.985	-1.985	0	%100
8	M46	Z	-3.438	-3.438	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.459	-1.459	0	%100
12	M52B	Z	-2.527	-2.527	0	%100
13	M76	X	-.651	-.651	0	%100
14	M76	Z	-1.127	-1.127	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-.651	-.651	0	%100
18	M84	Z	-1.127	-1.127	0	%100
19	M85	X	-1.982	-1.982	0	%100
20	M85	Z	-3.432	-3.432	0	%100
21	M52A	X	-2.069	-2.069	0	%100
22	M52A	Z	-3.584	-3.584	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-1.459	-1.459	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
30	M58A	Z	-2.527	-2.527	0 %100
31	M59A	X	-1.459	-1.459	0 %100
32	M59A	Z	-2.527	-2.527	0 %100
33	M63	X	-2.603	-2.603	0 %100
34	M63	Z	-4.508	-4.508	0 %100
35	M64	X	-1.982	-1.982	0 %100
36	M64	Z	-3.432	-3.432	0 %100
37	M68	X	-2.603	-2.603	0 %100
38	M68	Z	-4.508	-4.508	0 %100
39	M69	X	-1.982	-1.982	0 %100
40	M69	Z	-3.432	-3.432	0 %100
41	M76A	X	-.517	-.517	0 %100
42	M76A	Z	-.896	-.896	0 %100
43	M77A	X	-1.267	-1.267	0 %100
44	M77A	Z	-2.195	-2.195	0 %100
45	M78	X	-1.267	-1.267	0 %100
46	M78	Z	-2.195	-2.195	0 %100
47	M79A	X	-1.985	-1.985	0 %100
48	M79A	Z	-3.438	-3.438	0 %100
49	M82	X	-1.459	-1.459	0 %100
50	M82	Z	-2.527	-2.527	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	0	0	0 %100
53	M87	X	-.651	-.651	0 %100
54	M87	Z	-1.127	-1.127	0 %100
55	M88A	X	-1.982	-1.982	0 %100
56	M88A	Z	-3.432	-3.432	0 %100
57	M90	X	-2.041	-2.041	0 %100
58	M90	Z	-3.535	-3.535	0 %100
59	M92A	X	-.651	-.651	0 %100
60	M92A	Z	-1.127	-1.127	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	0	0	0 %100
63	M66	X	-2.041	-2.041	0 %100
64	M66	Z	-3.535	-3.535	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	0	0	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	0	0	0 %100
69	M72	X	-2.041	-2.041	0 %100
70	M72	Z	-3.535	-3.535	0 %100
71	M74A	X	-2.041	-2.041	0 %100
72	M74A	Z	-3.535	-3.535	0 %100
73	M76B	X	-1.537	-1.537	0 %100
74	M76B	Z	-2.663	-2.663	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	0	0	0 %100
77	M78A	X	-1.537	-1.537	0 %100
78	M78A	Z	-2.663	-2.663	0 %100
79	MP1A	X	-1.65	-1.65	0 %100
80	MP1A	Z	-2.858	-2.858	0 %100
81	MP2A	X	-1.65	-1.65	0 %100
82	MP2A	Z	-2.858	-2.858	0 %100
83	MP3A	X	-1.65	-1.65	0 %100
84	MP3A	Z	-2.858	-2.858	0 %100
85	MP4A	X	-1.65	-1.65	0 %100
86	MP4A	Z	-2.858	-2.858	0 %100
87	MP5A	X	-1.65	-1.65	0 %100
88	MP5A	Z	-2.858	-2.858	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
89	MP1C	X	-1.65	-1.65	0 %100
90	MP1C	Z	-2.858	-2.858	0 %100
91	MP2C	X	-1.65	-1.65	0 %100
92	MP2C	Z	-2.858	-2.858	0 %100
93	MP3C	X	-1.65	-1.65	0 %100
94	MP3C	Z	-2.858	-2.858	0 %100
95	MP5C	X	-1.65	-1.65	0 %100
96	MP5C	Z	-2.858	-2.858	0 %100
97	MP1B	X	-1.65	-1.65	0 %100
98	MP1B	Z	-2.858	-2.858	0 %100
99	MP2B	X	-1.65	-1.65	0 %100
100	MP2B	Z	-2.858	-2.858	0 %100
101	MP3B	X	-1.65	-1.65	0 %100
102	MP3B	Z	-2.858	-2.858	0 %100
103	MP4B	X	-1.65	-1.65	0 %100
104	MP4B	Z	-2.858	-2.858	0 %100
105	MP5B	X	-1.65	-1.65	0 %100
106	MP5B	Z	-2.858	-2.858	0 %100
107	MP4C	X	-1.65	-1.65	0 %100
108	MP4C	Z	-2.858	-2.858	0 %100
109	M318	X	-1.36	-1.36	0 %100
110	M318	Z	-2.356	-2.356	0 %100
111	M111	X	-1.36	-1.36	0 %100
112	M111	Z	-2.356	-2.356	0 %100
113	M110A	X	-1.371	-1.371	0 %100
114	M110A	Z	-2.374	-2.374	0 %100
115	M134	X	0	0	0 %100
116	M134	Z	0	0	0 %100
117	M135	X	-1.238	-1.238	0 %100
118	M135	Z	-2.144	-2.144	0 %100
119	M136	X	-1.238	-1.238	0 %100
120	M136	Z	-2.144	-2.144	0 %100
121	M135A	X	0	0	0 %100
122	M135A	Z	0	0	0 %100
123	M136A	X	-1.371	-1.371	0 %100
124	M136A	Z	-2.374	-2.374	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	%100
2	M4	Z	0	0	%100
3	M10	X	0	0	%100
4	M10	Z	-.77	-.77	0 %100
5	M43	X	0	0	0 %100
6	M43	Z	-.77	-.77	0 %100
7	M46	X	0	0	0 %100
8	M46	Z	-1.535	-1.535	0 %100
9	M51B	X	0	0	0 %100
10	M51B	Z	-.213	-.213	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	-.213	-.213	0 %100
13	M76	X	0	0	0 %100
14	M76	Z	0	0	0 %100
15	M77	X	0	0	0 %100
16	M77	Z	-.391	-.391	0 %100
17	M84	X	0	0	0 %100
18	M84	Z	0	0	0 %100
19	M85	X	0	0	0 %100



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

Member Label	Direction	Start Magnitude/lb/ft...	End Magnitude/lb/ft...	Start Location(ft.%)	End Location(ft.%)
20	M85	Z	-0.391	-0.391	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	-0.682	-0.682	0 %100
23	M53	X	0	0	0 %100
24	M53	Z	-0.192	-0.192	0 %100
25	M54	X	0	0	0 %100
26	M54	Z	-0.192	-0.192	0 %100
27	M55	X	0	0	0 %100
28	M55	Z	-0.384	-0.384	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	-0.213	-0.213	0 %100
31	M59A	X	0	0	0 %100
32	M59A	Z	-0.853	-0.853	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	-1.151	-1.151	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	-0.391	-0.391	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	-1.151	-1.151	0 %100
39	M69	X	0	0	0 %100
40	M69	Z	-1.564	-1.564	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	-0.682	-0.682	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	-0.192	-0.192	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	-0.192	-0.192	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	-0.384	-0.384	0 %100
49	M82	X	0	0	0 %100
50	M82	Z	-0.853	-0.853	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	-0.213	-0.213	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	-1.151	-1.151	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	-1.564	-1.564	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	-1.621	-1.621	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	-1.151	-1.151	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	-0.391	-0.391	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	-1.621	-1.621	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	-0.405	-0.405	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	-0.405	-0.405	0 %100
69	M72	X	0	0	0 %100
70	M72	Z	-0.405	-0.405	0 %100
71	M74A	X	0	0	0 %100
72	M74A	Z	-0.405	-0.405	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	-0.876	-0.876	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	-0.219	-0.219	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	-0.219	-0.219	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.608	-.608	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.608	-.608	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.608	-.608	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.608	-.608	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-.608	-.608	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-.608	-.608	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.608	-.608	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.608	-.608	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	-.608	-.608	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-.608	-.608	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.608	-.608	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-.608	-.608	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.608	-.608	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	-.608	-.608	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-.608	-.608	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	-.497	-.497	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	-.497	-.497	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	-.736	-.736	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	-.204	-.204	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	-.204	-.204	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-.817	-.817	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	-.184	-.184	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	-.184	-.184	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.114	.114	0	%100
2	M4	Z	-.197	-.197	0	%100
3	M10	X	.289	.289	0	%100
4	M10	Z	-.5	-.5	0	%100
5	M43	X	.289	.289	0	%100
6	M43	Z	-.5	-.5	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	-.997	-.997	0	%100
9	M51B	X	.32	.32	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft,%)	End Location(ft,%)
10	M51B	Z	-.554	-.554	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	.192	.192	0 %100
14	M76	Z	-.332	-.332	0 %100
15	M77	X	.586	.586	0 %100
16	M77	Z	-1.016	-1.016	0 %100
17	M84	X	.192	.192	0 %100
18	M84	Z	-.332	-.332	0 %100
19	M85	X	0	0	0 %100
20	M85	Z	0	0	0 %100
21	M52A	X	.114	.114	0 %100
22	M52A	Z	-.197	-.197	0 %100
23	M53	X	.289	.289	0 %100
24	M53	Z	-.5	-.5	0 %100
25	M54	X	.289	.289	0 %100
26	M54	Z	-.5	-.5	0 %100
27	M55	X	.576	.576	0 %100
28	M55	Z	-.997	-.997	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	0	0	0 %100
31	M59A	X	.32	.32	0 %100
32	M59A	Z	-.554	-.554	0 %100
33	M63	X	.192	.192	0 %100
34	M63	Z	-.332	-.332	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	0	0	0 %100
37	M68	X	.192	.192	0 %100
38	M68	Z	-.332	-.332	0 %100
39	M69	X	.586	.586	0 %100
40	M69	Z	-1.016	-1.016	0 %100
41	M76A	X	.455	.455	0 %100
42	M76A	Z	-.788	-.788	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	0	0	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	0	0	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	0	0	0 %100
49	M82	X	.32	.32	0 %100
50	M82	Z	-.554	-.554	0 %100
51	M83A	X	.32	.32	0 %100
52	M83A	Z	-.554	-.554	0 %100
53	M87	X	.768	.768	0 %100
54	M87	Z	-1.33	-1.33	0 %100
55	M88A	X	.586	.586	0 %100
56	M88A	Z	-1.016	-1.016	0 %100
57	M90	X	.608	.608	0 %100
58	M90	Z	-1.053	-1.053	0 %100
59	M92A	X	.768	.768	0 %100
60	M92A	Z	-1.33	-1.33	0 %100
61	M93	X	.586	.586	0 %100
62	M93	Z	-1.016	-1.016	0 %100
63	M66	X	.608	.608	0 %100
64	M66	Z	-1.053	-1.053	0 %100
65	M68A	X	.608	.608	0 %100
66	M68A	Z	-1.053	-1.053	0 %100
67	M70A	X	.608	.608	0 %100
68	M70A	Z	-1.053	-1.053	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]	
69	M72	X	0	0	%100	
70	M72	Z	0	0	%100	
71	M74A	X	0	0	%100	
72	M74A	Z	0	0	%100	
73	M76B	X	.328	.328	0	%100
74	M76B	Z	-.569	-.569	0	%100
75	M77B	X	.328	.328	0	%100
76	M77B	Z	-.569	-.569	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	.304	.304	0	%100
80	MP1A	Z	-.526	-.526	0	%100
81	MP2A	X	.304	.304	0	%100
82	MP2A	Z	-.526	-.526	0	%100
83	MP3A	X	.304	.304	0	%100
84	MP3A	Z	-.526	-.526	0	%100
85	MP4A	X	.304	.304	0	%100
86	MP4A	Z	-.526	-.526	0	%100
87	MP5A	X	.304	.304	0	%100
88	MP5A	Z	-.526	-.526	0	%100
89	MP1C	X	.304	.304	0	%100
90	MP1C	Z	-.526	-.526	0	%100
91	MP2C	X	.304	.304	0	%100
92	MP2C	Z	-.526	-.526	0	%100
93	MP3C	X	.304	.304	0	%100
94	MP3C	Z	-.526	-.526	0	%100
95	MP5C	X	.304	.304	0	%100
96	MP5C	Z	-.526	-.526	0	%100
97	MP1B	X	.304	.304	0	%100
98	MP1B	Z	-.526	-.526	0	%100
99	MP2B	X	.304	.304	0	%100
100	MP2B	Z	-.526	-.526	0	%100
101	MP3B	X	.304	.304	0	%100
102	MP3B	Z	-.526	-.526	0	%100
103	MP4B	X	.304	.304	0	%100
104	MP4B	Z	-.526	-.526	0	%100
105	MP5B	X	.304	.304	0	%100
106	MP5B	Z	-.526	-.526	0	%100
107	MP4C	X	.304	.304	0	%100
108	MP4C	Z	-.526	-.526	0	%100
109	M318	X	.248	.248	0	%100
110	M318	Z	-.43	-.43	0	%100
111	M111	X	.248	.248	0	%100
112	M111	Z	-.43	-.43	0	%100
113	M110A	X	.276	.276	0	%100
114	M110A	Z	-.478	-.478	0	%100
115	M134	X	.306	.306	0	%100
116	M134	Z	-.53	-.53	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	.306	.306	0	%100
120	M136	Z	-.53	-.53	0	%100
121	M135A	X	.276	.276	0	%100
122	M135A	Z	-.478	-.478	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft]	End Magnitude[lb/ft]	Start Location[ft.%]	End Location[ft.%]
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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...	Start Location(ft.%)	End Location(ft.%)
1	M4	X	.591	.591	0	%100
2	M4	Z	-.341	-.341	0	%100
3	M10	X	.167	.167	0	%100
4	M10	Z	-.096	-.096	0	%100
5	M43	X	.167	.167	0	%100
6	M43	Z	-.096	-.096	0	%100
7	M46	X	.332	.332	0	%100
8	M46	Z	-.192	-.192	0	%100
9	M51B	X	.738	.738	0	%100
10	M51B	Z	-.426	-.426	0	%100
11	M52B	X	.185	.185	0	%100
12	M52B	Z	-.107	-.107	0	%100
13	M76	X	.997	.997	0	%100
14	M76	Z	-.576	-.576	0	%100
15	M77	X	1.354	1.354	0	%100
16	M77	Z	-.782	-.782	0	%100
17	M84	X	.997	.997	0	%100
18	M84	Z	-.576	-.576	0	%100
19	M85	X	.339	.339	0	%100
20	M85	Z	-.195	-.195	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	.667	.667	0	%100
24	M53	Z	-.385	-.385	0	%100
25	M54	X	.667	.667	0	%100
26	M54	Z	-.385	-.385	0	%100
27	M55	X	1.33	1.33	0	%100
28	M55	Z	-.768	-.768	0	%100
29	M58A	X	.185	.185	0	%100
30	M58A	Z	-.107	-.107	0	%100
31	M59A	X	.185	.185	0	%100
32	M59A	Z	-.107	-.107	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	.339	.339	0	%100
36	M64	Z	-.195	-.195	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	.339	.339	0	%100
40	M69	Z	-.195	-.195	0	%100
41	M76A	X	.591	.591	0	%100
42	M76A	Z	-.341	-.341	0	%100
43	M77A	X	.167	.167	0	%100
44	M77A	Z	-.096	-.096	0	%100
45	M78	X	.167	.167	0	%100
46	M78	Z	-.096	-.096	0	%100
47	M79A	X	.332	.332	0	%100
48	M79A	Z	-.192	-.192	0	%100
49	M82	X	.185	.185	0	%100
50	M82	Z	-.107	-.107	0	%100
51	M83A	X	.738	.738	0	%100
52	M83A	Z	-.426	-.426	0	%100
53	M87	X	.997	.997	0	%100
54	M87	Z	-.576	-.576	0	%100
55	M88A	X	.339	.339	0	%100
56	M88A	Z	-.195	-.195	0	%100
57	M90	X	.351	.351	0	%100
58	M90	Z	-.203	-.203	0	%100
59	M92A	X	.997	.997	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
60	M92A	Z	-.576	-.576	0 %100
61	M93	X	1.354	1.354	0 %100
62	M93	Z	-.782	-.782	0 %100
63	M66	X	.351	.351	0 %100
64	M66	Z	-.203	-.203	0 %100
65	M68A	X	1.404	1.404	0 %100
66	M68A	Z	-.81	-.81	0 %100
67	M70A	X	1.404	1.404	0 %100
68	M70A	Z	-.81	-.81	0 %100
69	M72	X	.351	.351	0 %100
70	M72	Z	-.203	-.203	0 %100
71	M74A	X	.351	.351	0 %100
72	M74A	Z	-.203	-.203	0 %100
73	M76B	X	.19	.19	0 %100
74	M76B	Z	-.109	-.109	0 %100
75	M77B	X	.758	.758	0 %100
76	M77B	Z	-.438	-.438	0 %100
77	M78A	X	.19	.19	0 %100
78	M78A	Z	-.109	-.109	0 %100
79	MP1A	X	.526	.526	0 %100
80	MP1A	Z	-.304	-.304	0 %100
81	MP2A	X	.526	.526	0 %100
82	MP2A	Z	-.304	-.304	0 %100
83	MP3A	X	.526	.526	0 %100
84	MP3A	Z	-.304	-.304	0 %100
85	MP4A	X	.526	.526	0 %100
86	MP4A	Z	-.304	-.304	0 %100
87	MP5A	X	.526	.526	0 %100
88	MP5A	Z	-.304	-.304	0 %100
89	MP1C	X	.526	.526	0 %100
90	MP1C	Z	-.304	-.304	0 %100
91	MP2C	X	.526	.526	0 %100
92	MP2C	Z	-.304	-.304	0 %100
93	MP3C	X	.526	.526	0 %100
94	MP3C	Z	-.304	-.304	0 %100
95	MP5C	X	.526	.526	0 %100
96	MP5C	Z	-.304	-.304	0 %100
97	MP1B	X	.526	.526	0 %100
98	MP1B	Z	-.304	-.304	0 %100
99	MP2B	X	.526	.526	0 %100
100	MP2B	Z	-.304	-.304	0 %100
101	MP3B	X	.526	.526	0 %100
102	MP3B	Z	-.304	-.304	0 %100
103	MP4B	X	.526	.526	0 %100
104	MP4B	Z	-.304	-.304	0 %100
105	MP5B	X	.526	.526	0 %100
106	MP5B	Z	-.304	-.304	0 %100
107	MP4C	X	.526	.526	0 %100
108	MP4C	Z	-.304	-.304	0 %100
109	M318	X	.43	.43	0 %100
110	M318	Z	-.248	-.248	0 %100
111	M111	X	.43	.43	0 %100
112	M111	Z	-.248	-.248	0 %100
113	M110A	X	.159	.159	0 %100
114	M110A	Z	-.092	-.092	0 %100
115	M134	X	.707	.707	0 %100
116	M134	Z	-.408	-.408	0 %100
117	M135	X	.177	.177	0 %100
118	M135	Z	-.102	-.102	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
119	M136	X	.177	.177	0	%100
120	M136	Z	-.102	-.102	0	%100
121	M135A	X	.637	.637	0	%100
122	M135A	Z	-.368	-.368	0	%100
123	M136A	X	.159	.159	0	%100
124	M136A	Z	-.092	-.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.91	.91	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.639	.639	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.639	.639	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.535	1.535	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.173	1.173	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	1.535	1.535	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	1.173	1.173	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	.227	.227	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	.577	.577	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	.577	.577	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	1.151	1.151	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	.639	.639	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	.384	.384	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	1.173	1.173	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	.384	.384	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	.227	.227	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	.577	.577	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	.577	.577	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	1.151	1.151	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
50	M82	Z	0	0	%100
51	M83A	X	.639	.639	0
52	M83A	Z	0	0	%100
53	M87	X	.384	.384	0
54	M87	Z	0	0	%100
55	M88A	X	0	0	%100
56	M88A	Z	0	0	%100
57	M90	X	0	0	%100
58	M90	Z	0	0	%100
59	M92A	X	.384	.384	0
60	M92A	Z	0	0	%100
61	M93	X	1.173	1.173	0
62	M93	Z	0	0	%100
63	M66	X	0	0	%100
64	M66	Z	0	0	%100
65	M68A	X	1.215	1.215	0
66	M68A	Z	0	0	%100
67	M70A	X	1.215	1.215	0
68	M70A	Z	0	0	%100
69	M72	X	1.215	1.215	0
70	M72	Z	0	0	%100
71	M74A	X	1.215	1.215	0
72	M74A	Z	0	0	%100
73	M76B	X	0	0	%100
74	M76B	Z	0	0	%100
75	M77B	X	.657	.657	0
76	M77B	Z	0	0	%100
77	M78A	X	.657	.657	0
78	M78A	Z	0	0	%100
79	MP1A	X	.608	.608	0
80	MP1A	Z	0	0	%100
81	MP2A	X	.608	.608	0
82	MP2A	Z	0	0	%100
83	MP3A	X	.608	.608	0
84	MP3A	Z	0	0	%100
85	MP4A	X	.608	.608	0
86	MP4A	Z	0	0	%100
87	MP5A	X	.608	.608	0
88	MP5A	Z	0	0	%100
89	MP1C	X	.608	.608	0
90	MP1C	Z	0	0	%100
91	MP2C	X	.608	.608	0
92	MP2C	Z	0	0	%100
93	MP3C	X	.608	.608	0
94	MP3C	Z	0	0	%100
95	MP5C	X	.608	.608	0
96	MP5C	Z	0	0	%100
97	MP1B	X	.608	.608	0
98	MP1B	Z	0	0	%100
99	MP2B	X	.608	.608	0
100	MP2B	Z	0	0	%100
101	MP3B	X	.608	.608	0
102	MP3B	Z	0	0	%100
103	MP4B	X	.608	.608	0
104	MP4B	Z	0	0	%100
105	MP5B	X	.608	.608	0
106	MP5B	Z	0	0	%100
107	MP4C	X	.608	.608	0
108	MP4C	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M318	X	.497	.497	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	.497	.497	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	.613	.613	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	.613	.613	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	.552	.552	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	.552	.552	0	%100
124	M136A	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.591	.591	0	%100
2	M4	Z	.341	.341	0	%100
3	M10	X	.167	.167	0	%100
4	M10	Z	.096	.096	0	%100
5	M43	X	.167	.167	0	%100
6	M43	Z	.096	.096	0	%100
7	M46	X	.332	.332	0	%100
8	M46	Z	.192	.192	0	%100
9	M51B	X	.185	.185	0	%100
10	M51B	Z	.107	.107	0	%100
11	M52B	X	.738	.738	0	%100
12	M52B	Z	.426	.426	0	%100
13	M76	X	.997	.997	0	%100
14	M76	Z	.576	.576	0	%100
15	M77	X	.339	.339	0	%100
16	M77	Z	.195	.195	0	%100
17	M84	X	.997	.997	0	%100
18	M84	Z	.576	.576	0	%100
19	M85	X	1.354	1.354	0	%100
20	M85	Z	.782	.782	0	%100
21	M52A	X	.591	.591	0	%100
22	M52A	Z	.341	.341	0	%100
23	M53	X	.167	.167	0	%100
24	M53	Z	.096	.096	0	%100
25	M54	X	.167	.167	0	%100
26	M54	Z	.096	.096	0	%100
27	M55	X	.332	.332	0	%100
28	M55	Z	.192	.192	0	%100
29	M58A	X	.738	.738	0	%100
30	M58A	Z	.426	.426	0	%100
31	M59A	X	.185	.185	0	%100
32	M59A	Z	.107	.107	0	%100
33	M63	X	.997	.997	0	%100
34	M63	Z	.576	.576	0	%100
35	M64	X	1.354	1.354	0	%100
36	M64	Z	.782	.782	0	%100
37	M68	X	.997	.997	0	%100
38	M68	Z	.576	.576	0	%100
39	M69	X	.339	.339	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
40	M69	Z	.195	.195	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	.667	.667	0 %100
44	M77A	Z	.385	.385	0 %100
45	M78	X	.667	.667	0 %100
46	M78	Z	.385	.385	0 %100
47	M79A	X	1.33	1.33	0 %100
48	M79A	Z	.768	.768	0 %100
49	M82	X	.185	.185	0 %100
50	M82	Z	.107	.107	0 %100
51	M83A	X	.185	.185	0 %100
52	M83A	Z	.107	.107	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	.339	.339	0 %100
56	M88A	Z	.195	.195	0 %100
57	M90	X	.351	.351	0 %100
58	M90	Z	.203	.203	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	.339	.339	0 %100
62	M93	Z	.195	.195	0 %100
63	M66	X	.351	.351	0 %100
64	M66	Z	.203	.203	0 %100
65	M68A	X	.351	.351	0 %100
66	M68A	Z	.203	.203	0 %100
67	M70A	X	.351	.351	0 %100
68	M70A	Z	.203	.203	0 %100
69	M72	X	1.404	1.404	0 %100
70	M72	Z	.81	.81	0 %100
71	M74A	X	1.404	1.404	0 %100
72	M74A	Z	.81	.81	0 %100
73	M76B	X	.19	.19	0 %100
74	M76B	Z	.109	.109	0 %100
75	M77B	X	.19	.19	0 %100
76	M77B	Z	.109	.109	0 %100
77	M78A	X	.758	.758	0 %100
78	M78A	Z	.438	.438	0 %100
79	MP1A	X	.526	.526	0 %100
80	MP1A	Z	.304	.304	0 %100
81	MP2A	X	.526	.526	0 %100
82	MP2A	Z	.304	.304	0 %100
83	MP3A	X	.526	.526	0 %100
84	MP3A	Z	.304	.304	0 %100
85	MP4A	X	.526	.526	0 %100
86	MP4A	Z	.304	.304	0 %100
87	MP5A	X	.526	.526	0 %100
88	MP5A	Z	.304	.304	0 %100
89	MP1C	X	.526	.526	0 %100
90	MP1C	Z	.304	.304	0 %100
91	MP2C	X	.526	.526	0 %100
92	MP2C	Z	.304	.304	0 %100
93	MP3C	X	.526	.526	0 %100
94	MP3C	Z	.304	.304	0 %100
95	MP5C	X	.526	.526	0 %100
96	MP5C	Z	.304	.304	0 %100
97	MP1B	X	.526	.526	0 %100
98	MP1B	Z	.304	.304	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
99	MP2B	X	.526	.526	0	%100
100	MP2B	Z	.304	.304	0	%100
101	MP3B	X	.526	.526	0	%100
102	MP3B	Z	.304	.304	0	%100
103	MP4B	X	.526	.526	0	%100
104	MP4B	Z	.304	.304	0	%100
105	MP5B	X	.526	.526	0	%100
106	MP5B	Z	.304	.304	0	%100
107	MP4C	X	.526	.526	0	%100
108	MP4C	Z	.304	.304	0	%100
109	M318	X	.43	.43	0	%100
110	M318	Z	.248	.248	0	%100
111	M111	X	.43	.43	0	%100
112	M111	Z	.248	.248	0	%100
113	M110A	X	.159	.159	0	%100
114	M110A	Z	.092	.092	0	%100
115	M134	X	.177	.177	0	%100
116	M134	Z	.102	.102	0	%100
117	M135	X	.707	.707	0	%100
118	M135	Z	.408	.408	0	%100
119	M136	X	.177	.177	0	%100
120	M136	Z	.102	.102	0	%100
121	M135A	X	.159	.159	0	%100
122	M135A	Z	.092	.092	0	%100
123	M136A	X	.637	.637	0	%100
124	M136A	Z	.368	.368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.114	.114	0	%100
2	M4	Z	.197	.197	0	%100
3	M10	X	.289	.289	0	%100
4	M10	Z	.5	.5	0	%100
5	M43	X	.289	.289	0	%100
6	M43	Z	.5	.5	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	.997	.997	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.32	.32	0	%100
12	M52B	Z	.554	.554	0	%100
13	M76	X	.192	.192	0	%100
14	M76	Z	.332	.332	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	.192	.192	0	%100
18	M84	Z	.332	.332	0	%100
19	M85	X	.586	.586	0	%100
20	M85	Z	1.016	1.016	0	%100
21	M52A	X	.455	.455	0	%100
22	M52A	Z	.788	.788	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	.32	.32	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
30	M58A	Z	.554	.554	0 %100
31	M59A	X	.32	.32	0 %100
32	M59A	Z	.554	.554	0 %100
33	M63	X	.768	.768	0 %100
34	M63	Z	1.33	1.33	0 %100
35	M64	X	.586	.586	0 %100
36	M64	Z	1.016	1.016	0 %100
37	M68	X	.768	.768	0 %100
38	M68	Z	1.33	1.33	0 %100
39	M69	X	.586	.586	0 %100
40	M69	Z	1.016	1.016	0 %100
41	M76A	X	.114	.114	0 %100
42	M76A	Z	.197	.197	0 %100
43	M77A	X	.289	.289	0 %100
44	M77A	Z	.5	.5	0 %100
45	M78	X	.289	.289	0 %100
46	M78	Z	.5	.5	0 %100
47	M79A	X	.576	.576	0 %100
48	M79A	Z	.997	.997	0 %100
49	M82	X	.32	.32	0 %100
50	M82	Z	.554	.554	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	0	0	0 %100
53	M87	X	.192	.192	0 %100
54	M87	Z	.332	.332	0 %100
55	M88A	X	.586	.586	0 %100
56	M88A	Z	1.016	1.016	0 %100
57	M90	X	.608	.608	0 %100
58	M90	Z	1.053	1.053	0 %100
59	M92A	X	.192	.192	0 %100
60	M92A	Z	.332	.332	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	0	0	0 %100
63	M66	X	.608	.608	0 %100
64	M66	Z	1.053	1.053	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	0	0	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	0	0	0 %100
69	M72	X	.608	.608	0 %100
70	M72	Z	1.053	1.053	0 %100
71	M74A	X	.608	.608	0 %100
72	M74A	Z	1.053	1.053	0 %100
73	M76B	X	.328	.328	0 %100
74	M76B	Z	.569	.569	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	0	0	0 %100
77	M78A	X	.328	.328	0 %100
78	M78A	Z	.569	.569	0 %100
79	MP1A	X	.304	.304	0 %100
80	MP1A	Z	.526	.526	0 %100
81	MP2A	X	.304	.304	0 %100
82	MP2A	Z	.526	.526	0 %100
83	MP3A	X	.304	.304	0 %100
84	MP3A	Z	.526	.526	0 %100
85	MP4A	X	.304	.304	0 %100
86	MP4A	Z	.526	.526	0 %100
87	MP5A	X	.304	.304	0 %100
88	MP5A	Z	.526	.526	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
89	MP1C	X	.304	.304	0	%100
90	MP1C	Z	.526	.526	0	%100
91	MP2C	X	.304	.304	0	%100
92	MP2C	Z	.526	.526	0	%100
93	MP3C	X	.304	.304	0	%100
94	MP3C	Z	.526	.526	0	%100
95	MP5C	X	.304	.304	0	%100
96	MP5C	Z	.526	.526	0	%100
97	MP1B	X	.304	.304	0	%100
98	MP1B	Z	.526	.526	0	%100
99	MP2B	X	.304	.304	0	%100
100	MP2B	Z	.526	.526	0	%100
101	MP3B	X	.304	.304	0	%100
102	MP3B	Z	.526	.526	0	%100
103	MP4B	X	.304	.304	0	%100
104	MP4B	Z	.526	.526	0	%100
105	MP5B	X	.304	.304	0	%100
106	MP5B	Z	.526	.526	0	%100
107	MP4C	X	.304	.304	0	%100
108	MP4C	Z	.526	.526	0	%100
109	M318	X	.248	.248	0	%100
110	M318	Z	.43	.43	0	%100
111	M111	X	.248	.248	0	%100
112	M111	Z	.43	.43	0	%100
113	M110A	X	.276	.276	0	%100
114	M110A	Z	.478	.478	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	.306	.306	0	%100
118	M135	Z	.53	.53	0	%100
119	M136	X	.306	.306	0	%100
120	M136	Z	.53	.53	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	.276	.276	0	%100
124	M136A	Z	.478	.478	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.77	.77	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.77	.77	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.535	1.535	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.213	.213	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.213	.213	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.391	.391	0	%100
17	M84	X	0	0	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
20	M85	Z	.391	.391	0 %100
21	M52A	X	0	0	0 %100
22	M52A	Z	.682	.682	0 %100
23	M53	X	0	0	0 %100
24	M53	Z	.192	.192	0 %100
25	M54	X	0	0	0 %100
26	M54	Z	.192	.192	0 %100
27	M55	X	0	0	0 %100
28	M55	Z	.384	.384	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	.213	.213	0 %100
31	M59A	X	0	0	0 %100
32	M59A	Z	.853	.853	0 %100
33	M63	X	0	0	0 %100
34	M63	Z	1.151	1.151	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	.391	.391	0 %100
37	M68	X	0	0	0 %100
38	M68	Z	1.151	1.151	0 %100
39	M69	X	0	0	0 %100
40	M69	Z	1.564	1.564	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	.682	.682	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	.192	.192	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	.192	.192	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	.384	.384	0 %100
49	M82	X	0	0	0 %100
50	M82	Z	.853	.853	0 %100
51	M83A	X	0	0	0 %100
52	M83A	Z	.213	.213	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	1.151	1.151	0 %100
55	M88A	X	0	0	0 %100
56	M88A	Z	1.564	1.564	0 %100
57	M90	X	0	0	0 %100
58	M90	Z	1.621	1.621	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	1.151	1.151	0 %100
61	M93	X	0	0	0 %100
62	M93	Z	.391	.391	0 %100
63	M66	X	0	0	0 %100
64	M66	Z	1.621	1.621	0 %100
65	M68A	X	0	0	0 %100
66	M68A	Z	.405	.405	0 %100
67	M70A	X	0	0	0 %100
68	M70A	Z	.405	.405	0 %100
69	M72	X	0	0	0 %100
70	M72	Z	.405	.405	0 %100
71	M74A	X	0	0	0 %100
72	M74A	Z	.405	.405	0 %100
73	M76B	X	0	0	0 %100
74	M76B	Z	.876	.876	0 %100
75	M77B	X	0	0	0 %100
76	M77B	Z	.219	.219	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	.219	.219	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.608	.608	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.608	.608	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.608	.608	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.608	.608	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.608	.608	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.608	.608	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.608	.608	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.608	.608	0	%100
95	MP5C	X	0	0	0	%100
96	MP5C	Z	.608	.608	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	.608	.608	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.608	.608	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.608	.608	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.608	.608	0	%100
105	MP5B	X	0	0	0	%100
106	MP5B	Z	.608	.608	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	.608	.608	0	%100
109	M318	X	0	0	0	%100
110	M318	Z	.497	.497	0	%100
111	M111	X	0	0	0	%100
112	M111	Z	.497	.497	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	.736	.736	0	%100
115	M134	X	0	0	0	%100
116	M134	Z	.204	.204	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	.204	.204	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	.817	.817	0	%100
121	M135A	X	0	0	0	%100
122	M135A	Z	.184	.184	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	.184	.184	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.114	-.114	0	%100
2	M4	Z	.197	.197	0	%100
3	M10	X	-.289	-.289	0	%100
4	M10	Z	.5	.5	0	%100
5	M43	X	-.289	-.289	0	%100
6	M43	Z	.5	.5	0	%100
7	M46	X	-.576	-.576	0	%100
8	M46	Z	.997	.997	0	%100
9	M51B	X	-.32	-.32	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
10	M51B	Z	.554	.554	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	-.192	-.192	0 %100
14	M76	Z	.332	.332	0 %100
15	M77	X	-.586	-.586	0 %100
16	M77	Z	1.016	1.016	0 %100
17	M84	X	-.192	-.192	0 %100
18	M84	Z	.332	.332	0 %100
19	M85	X	0	0	0 %100
20	M85	Z	0	0	0 %100
21	M52A	X	-.114	-.114	0 %100
22	M52A	Z	.197	.197	0 %100
23	M53	X	-.289	-.289	0 %100
24	M53	Z	.5	.5	0 %100
25	M54	X	-.289	-.289	0 %100
26	M54	Z	.5	.5	0 %100
27	M55	X	-.576	-.576	0 %100
28	M55	Z	.997	.997	0 %100
29	M58A	X	0	0	0 %100
30	M58A	Z	0	0	0 %100
31	M59A	X	-.32	-.32	0 %100
32	M59A	Z	.554	.554	0 %100
33	M63	X	-.192	-.192	0 %100
34	M63	Z	.332	.332	0 %100
35	M64	X	0	0	0 %100
36	M64	Z	0	0	0 %100
37	M68	X	-.192	-.192	0 %100
38	M68	Z	.332	.332	0 %100
39	M69	X	-.586	-.586	0 %100
40	M69	Z	1.016	1.016	0 %100
41	M76A	X	-.455	-.455	0 %100
42	M76A	Z	.788	.788	0 %100
43	M77A	X	0	0	0 %100
44	M77A	Z	0	0	0 %100
45	M78	X	0	0	0 %100
46	M78	Z	0	0	0 %100
47	M79A	X	0	0	0 %100
48	M79A	Z	0	0	0 %100
49	M82	X	-.32	-.32	0 %100
50	M82	Z	.554	.554	0 %100
51	M83A	X	-.32	-.32	0 %100
52	M83A	Z	.554	.554	0 %100
53	M87	X	-.768	-.768	0 %100
54	M87	Z	1.33	1.33	0 %100
55	M88A	X	-.586	-.586	0 %100
56	M88A	Z	1.016	1.016	0 %100
57	M90	X	-.608	-.608	0 %100
58	M90	Z	1.053	1.053	0 %100
59	M92A	X	-.768	-.768	0 %100
60	M92A	Z	1.33	1.33	0 %100
61	M93	X	-.586	-.586	0 %100
62	M93	Z	1.016	1.016	0 %100
63	M66	X	-.608	-.608	0 %100
64	M66	Z	1.053	1.053	0 %100
65	M68A	X	-.608	-.608	0 %100
66	M68A	Z	1.053	1.053	0 %100
67	M70A	X	-.608	-.608	0 %100
68	M70A	Z	1.053	1.053	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location(ft.%)	End Location(ft.%)
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74A	X	0	0	0	%100
72	M74A	Z	0	0	0	%100
73	M76B	X	-.328	-.328	0	%100
74	M76B	Z	.569	.569	0	%100
75	M77B	X	-.328	-.328	0	%100
76	M77B	Z	.569	.569	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	MP1A	X	-.304	-.304	0	%100
80	MP1A	Z	.526	.526	0	%100
81	MP2A	X	-.304	-.304	0	%100
82	MP2A	Z	.526	.526	0	%100
83	MP3A	X	-.304	-.304	0	%100
84	MP3A	Z	.526	.526	0	%100
85	MP4A	X	-.304	-.304	0	%100
86	MP4A	Z	.526	.526	0	%100
87	MP5A	X	-.304	-.304	0	%100
88	MP5A	Z	.526	.526	0	%100
89	MP1C	X	-.304	-.304	0	%100
90	MP1C	Z	.526	.526	0	%100
91	MP2C	X	-.304	-.304	0	%100
92	MP2C	Z	.526	.526	0	%100
93	MP3C	X	-.304	-.304	0	%100
94	MP3C	Z	.526	.526	0	%100
95	MP5C	X	-.304	-.304	0	%100
96	MP5C	Z	.526	.526	0	%100
97	MP1B	X	-.304	-.304	0	%100
98	MP1B	Z	.526	.526	0	%100
99	MP2B	X	-.304	-.304	0	%100
100	MP2B	Z	.526	.526	0	%100
101	MP3B	X	-.304	-.304	0	%100
102	MP3B	Z	.526	.526	0	%100
103	MP4B	X	-.304	-.304	0	%100
104	MP4B	Z	.526	.526	0	%100
105	MP5B	X	-.304	-.304	0	%100
106	MP5B	Z	.526	.526	0	%100
107	MP4C	X	-.304	-.304	0	%100
108	MP4C	Z	.526	.526	0	%100
109	M318	X	-.248	-.248	0	%100
110	M318	Z	.43	.43	0	%100
111	M111	X	-.248	-.248	0	%100
112	M111	Z	.43	.43	0	%100
113	M110A	X	-.276	-.276	0	%100
114	M110A	Z	.478	.478	0	%100
115	M134	X	-.306	-.306	0	%100
116	M134	Z	.53	.53	0	%100
117	M135	X	0	0	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	-.306	-.306	0	%100
120	M136	Z	.53	.53	0	%100
121	M135A	X	-.276	-.276	0	%100
122	M135A	Z	.478	.478	0	%100
123	M136A	X	0	0	0	%100
124	M136A	Z	0	0	0	%100

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



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.%]
1	M4	X	-.591	-.591	0	%100
2	M4	Z	.341	.341	0	%100
3	M10	X	-.167	-.167	0	%100
4	M10	Z	.096	.096	0	%100
5	M43	X	-.167	-.167	0	%100
6	M43	Z	.096	.096	0	%100
7	M46	X	-.332	-.332	0	%100
8	M46	Z	.192	.192	0	%100
9	M51B	X	-.738	-.738	0	%100
10	M51B	Z	.426	.426	0	%100
11	M52B	X	-.185	-.185	0	%100
12	M52B	Z	.107	.107	0	%100
13	M76	X	-.997	-.997	0	%100
14	M76	Z	.576	.576	0	%100
15	M77	X	-1.354	-1.354	0	%100
16	M77	Z	.782	.782	0	%100
17	M84	X	-.997	-.997	0	%100
18	M84	Z	.576	.576	0	%100
19	M85	X	-.339	-.339	0	%100
20	M85	Z	.195	.195	0	%100
21	M52A	X	0	0	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-.667	-.667	0	%100
24	M53	Z	.385	.385	0	%100
25	M54	X	-.667	-.667	0	%100
26	M54	Z	.385	.385	0	%100
27	M55	X	-1.33	-1.33	0	%100
28	M55	Z	.768	.768	0	%100
29	M58A	X	-.185	-.185	0	%100
30	M58A	Z	.107	.107	0	%100
31	M59A	X	-.185	-.185	0	%100
32	M59A	Z	.107	.107	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-.339	-.339	0	%100
36	M64	Z	.195	.195	0	%100
37	M68	X	0	0	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	-.339	-.339	0	%100
40	M69	Z	.195	.195	0	%100
41	M76A	X	-.591	-.591	0	%100
42	M76A	Z	.341	.341	0	%100
43	M77A	X	-.167	-.167	0	%100
44	M77A	Z	.096	.096	0	%100
45	M78	X	-.167	-.167	0	%100
46	M78	Z	.096	.096	0	%100
47	M79A	X	-.332	-.332	0	%100
48	M79A	Z	.192	.192	0	%100
49	M82	X	-.185	-.185	0	%100
50	M82	Z	.107	.107	0	%100
51	M83A	X	-.738	-.738	0	%100
52	M83A	Z	.426	.426	0	%100
53	M87	X	-.997	-.997	0	%100
54	M87	Z	.576	.576	0	%100
55	M88A	X	-.339	-.339	0	%100
56	M88A	Z	.195	.195	0	%100
57	M90	X	-.351	-.351	0	%100
58	M90	Z	.203	.203	0	%100
59	M92A	X	-.997	-.997	0	%100



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.%)
60	M92A	Z	.576	.576	0 %100
61	M93	X	-1.354	-1.354	0 %100
62	M93	Z	.782	.782	0 %100
63	M66	X	-.351	-.351	0 %100
64	M66	Z	.203	.203	0 %100
65	M68A	X	-1.404	-1.404	0 %100
66	M68A	Z	.81	.81	0 %100
67	M70A	X	-1.404	-1.404	0 %100
68	M70A	Z	.81	.81	0 %100
69	M72	X	-.351	-.351	0 %100
70	M72	Z	.203	.203	0 %100
71	M74A	X	-.351	-.351	0 %100
72	M74A	Z	.203	.203	0 %100
73	M76B	X	-.19	-.19	0 %100
74	M76B	Z	.109	.109	0 %100
75	M77B	X	-.758	-.758	0 %100
76	M77B	Z	.438	.438	0 %100
77	M78A	X	-.19	-.19	0 %100
78	M78A	Z	.109	.109	0 %100
79	MP1A	X	-.526	-.526	0 %100
80	MP1A	Z	.304	.304	0 %100
81	MP2A	X	-.526	-.526	0 %100
82	MP2A	Z	.304	.304	0 %100
83	MP3A	X	-.526	-.526	0 %100
84	MP3A	Z	.304	.304	0 %100
85	MP4A	X	-.526	-.526	0 %100
86	MP4A	Z	.304	.304	0 %100
87	MP5A	X	-.526	-.526	0 %100
88	MP5A	Z	.304	.304	0 %100
89	MP1C	X	-.526	-.526	0 %100
90	MP1C	Z	.304	.304	0 %100
91	MP2C	X	-.526	-.526	0 %100
92	MP2C	Z	.304	.304	0 %100
93	MP3C	X	-.526	-.526	0 %100
94	MP3C	Z	.304	.304	0 %100
95	MP5C	X	-.526	-.526	0 %100
96	MP5C	Z	.304	.304	0 %100
97	MP1B	X	-.526	-.526	0 %100
98	MP1B	Z	.304	.304	0 %100
99	MP2B	X	-.526	-.526	0 %100
100	MP2B	Z	.304	.304	0 %100
101	MP3B	X	-.526	-.526	0 %100
102	MP3B	Z	.304	.304	0 %100
103	MP4B	X	-.526	-.526	0 %100
104	MP4B	Z	.304	.304	0 %100
105	MP5B	X	-.526	-.526	0 %100
106	MP5B	Z	.304	.304	0 %100
107	MP4C	X	-.526	-.526	0 %100
108	MP4C	Z	.304	.304	0 %100
109	M318	X	-.43	-.43	0 %100
110	M318	Z	.248	.248	0 %100
111	M111	X	-.43	-.43	0 %100
112	M111	Z	.248	.248	0 %100
113	M110A	X	-.159	-.159	0 %100
114	M110A	Z	.092	.092	0 %100
115	M134	X	-.707	-.707	0 %100
116	M134	Z	.408	.408	0 %100
117	M135	X	-.177	-.177	0 %100
118	M135	Z	.102	.102	0 %100



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.%]
119	M136	X	-.177	-.177	0	%100
120	M136	Z	.102	.102	0	%100
121	M135A	X	-.637	-.637	0	%100
122	M135A	Z	.368	.368	0	%100
123	M136A	X	-.159	-.159	0	%100
124	M136A	Z	.092	.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.91	-.91	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.639	-.639	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.639	-.639	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.535	-1.535	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.173	-1.173	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-1.535	-1.535	0	%100
18	M84	Z	0	0	0	%100
19	M85	X	-1.173	-1.173	0	%100
20	M85	Z	0	0	0	%100
21	M52A	X	-.227	-.227	0	%100
22	M52A	Z	0	0	0	%100
23	M53	X	-.577	-.577	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	-.577	-.577	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	-1.151	-1.151	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-.639	-.639	0	%100
30	M58A	Z	0	0	0	%100
31	M59A	X	0	0	0	%100
32	M59A	Z	0	0	0	%100
33	M63	X	-.384	-.384	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-1.173	-1.173	0	%100
36	M64	Z	0	0	0	%100
37	M68	X	-.384	-.384	0	%100
38	M68	Z	0	0	0	%100
39	M69	X	0	0	0	%100
40	M69	Z	0	0	0	%100
41	M76A	X	-.227	-.227	0	%100
42	M76A	Z	0	0	0	%100
43	M77A	X	-.577	-.577	0	%100
44	M77A	Z	0	0	0	%100
45	M78	X	-.577	-.577	0	%100
46	M78	Z	0	0	0	%100
47	M79A	X	-1.151	-1.151	0	%100
48	M79A	Z	0	0	0	%100
49	M82	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft,%)	End Location(ft,%)
50	M82	Z	0	0	%100
51	M83A	X	-.639	-.639	%100
52	M83A	Z	0	0	%100
53	M87	X	-.384	-.384	%100
54	M87	Z	0	0	%100
55	M88A	X	0	0	%100
56	M88A	Z	0	0	%100
57	M90	X	0	0	%100
58	M90	Z	0	0	%100
59	M92A	X	-.384	-.384	%100
60	M92A	Z	0	0	%100
61	M93	X	-1.173	-1.173	%100
62	M93	Z	0	0	%100
63	M66	X	0	0	%100
64	M66	Z	0	0	%100
65	M68A	X	-1.215	-1.215	%100
66	M68A	Z	0	0	%100
67	M70A	X	-1.215	-1.215	%100
68	M70A	Z	0	0	%100
69	M72	X	-1.215	-1.215	%100
70	M72	Z	0	0	%100
71	M74A	X	-1.215	-1.215	%100
72	M74A	Z	0	0	%100
73	M76B	X	0	0	%100
74	M76B	Z	0	0	%100
75	M77B	X	-.657	-.657	%100
76	M77B	Z	0	0	%100
77	M78A	X	-.657	-.657	%100
78	M78A	Z	0	0	%100
79	MP1A	X	-.608	-.608	%100
80	MP1A	Z	0	0	%100
81	MP2A	X	-.608	-.608	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	-.608	-.608	%100
84	MP3A	Z	0	0	%100
85	MP4A	X	-.608	-.608	%100
86	MP4A	Z	0	0	%100
87	MP5A	X	-.608	-.608	%100
88	MP5A	Z	0	0	%100
89	MP1C	X	-.608	-.608	%100
90	MP1C	Z	0	0	%100
91	MP2C	X	-.608	-.608	%100
92	MP2C	Z	0	0	%100
93	MP3C	X	-.608	-.608	%100
94	MP3C	Z	0	0	%100
95	MP5C	X	-.608	-.608	%100
96	MP5C	Z	0	0	%100
97	MP1B	X	-.608	-.608	%100
98	MP1B	Z	0	0	%100
99	MP2B	X	-.608	-.608	%100
100	MP2B	Z	0	0	%100
101	MP3B	X	-.608	-.608	%100
102	MP3B	Z	0	0	%100
103	MP4B	X	-.608	-.608	%100
104	MP4B	Z	0	0	%100
105	MP5B	X	-.608	-.608	%100
106	MP5B	Z	0	0	%100
107	MP4C	X	-.608	-.608	%100
108	MP4C	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
109	M318	X	-.497	-.497	0	%100
110	M318	Z	0	0	0	%100
111	M111	X	-.497	-.497	0	%100
112	M111	Z	0	0	0	%100
113	M110A	X	0	0	0	%100
114	M110A	Z	0	0	0	%100
115	M134	X	-.613	-.613	0	%100
116	M134	Z	0	0	0	%100
117	M135	X	-.613	-.613	0	%100
118	M135	Z	0	0	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0	0	0	%100
121	M135A	X	-.552	-.552	0	%100
122	M135A	Z	0	0	0	%100
123	M136A	X	-.552	-.552	0	%100
124	M136A	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....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.591	-.591	0	%100
2	M4	Z	-.341	-.341	0	%100
3	M10	X	-.167	-.167	0	%100
4	M10	Z	-.096	-.096	0	%100
5	M43	X	-.167	-.167	0	%100
6	M43	Z	-.096	-.096	0	%100
7	M46	X	-.332	-.332	0	%100
8	M46	Z	-.192	-.192	0	%100
9	M51B	X	-.185	-.185	0	%100
10	M51B	Z	-.107	-.107	0	%100
11	M52B	X	-.738	-.738	0	%100
12	M52B	Z	-.426	-.426	0	%100
13	M76	X	-.997	-.997	0	%100
14	M76	Z	-.576	-.576	0	%100
15	M77	X	-.339	-.339	0	%100
16	M77	Z	-.195	-.195	0	%100
17	M84	X	-.997	-.997	0	%100
18	M84	Z	-.576	-.576	0	%100
19	M85	X	-1.354	-1.354	0	%100
20	M85	Z	-.782	-.782	0	%100
21	M52A	X	-.591	-.591	0	%100
22	M52A	Z	-.341	-.341	0	%100
23	M53	X	-.167	-.167	0	%100
24	M53	Z	-.096	-.096	0	%100
25	M54	X	-.167	-.167	0	%100
26	M54	Z	-.096	-.096	0	%100
27	M55	X	-.332	-.332	0	%100
28	M55	Z	-.192	-.192	0	%100
29	M58A	X	-.738	-.738	0	%100
30	M58A	Z	-.426	-.426	0	%100
31	M59A	X	-.185	-.185	0	%100
32	M59A	Z	-.107	-.107	0	%100
33	M63	X	-.997	-.997	0	%100
34	M63	Z	-.576	-.576	0	%100
35	M64	X	-1.354	-1.354	0	%100
36	M64	Z	-.782	-.782	0	%100
37	M68	X	-.997	-.997	0	%100
38	M68	Z	-.576	-.576	0	%100
39	M69	X	-.339	-.339	0	%100



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

Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
40	M69	Z	-195	-195	0 %100
41	M76A	X	0	0	0 %100
42	M76A	Z	0	0	0 %100
43	M77A	X	-.667	-.667	0 %100
44	M77A	Z	-.385	-.385	0 %100
45	M78	X	-.667	-.667	0 %100
46	M78	Z	-.385	-.385	0 %100
47	M79A	X	-1.33	-1.33	0 %100
48	M79A	Z	-.768	-.768	0 %100
49	M82	X	-.185	-.185	0 %100
50	M82	Z	-.107	-.107	0 %100
51	M83A	X	-.185	-.185	0 %100
52	M83A	Z	-.107	-.107	0 %100
53	M87	X	0	0	0 %100
54	M87	Z	0	0	0 %100
55	M88A	X	-.339	-.339	0 %100
56	M88A	Z	-.195	-.195	0 %100
57	M90	X	-.351	-.351	0 %100
58	M90	Z	-.203	-.203	0 %100
59	M92A	X	0	0	0 %100
60	M92A	Z	0	0	0 %100
61	M93	X	-.339	-.339	0 %100
62	M93	Z	-.195	-.195	0 %100
63	M66	X	-.351	-.351	0 %100
64	M66	Z	-.203	-.203	0 %100
65	M68A	X	-.351	-.351	0 %100
66	M68A	Z	-.203	-.203	0 %100
67	M70A	X	-.351	-.351	0 %100
68	M70A	Z	-.203	-.203	0 %100
69	M72	X	-1.404	-1.404	0 %100
70	M72	Z	-.81	-.81	0 %100
71	M74A	X	-1.404	-1.404	0 %100
72	M74A	Z	-.81	-.81	0 %100
73	M76B	X	-.19	-.19	0 %100
74	M76B	Z	-.109	-.109	0 %100
75	M77B	X	-.19	-.19	0 %100
76	M77B	Z	-.109	-.109	0 %100
77	M78A	X	-.758	-.758	0 %100
78	M78A	Z	-.438	-.438	0 %100
79	MP1A	X	-.526	-.526	0 %100
80	MP1A	Z	-.304	-.304	0 %100
81	MP2A	X	-.526	-.526	0 %100
82	MP2A	Z	-.304	-.304	0 %100
83	MP3A	X	-.526	-.526	0 %100
84	MP3A	Z	-.304	-.304	0 %100
85	MP4A	X	-.526	-.526	0 %100
86	MP4A	Z	-.304	-.304	0 %100
87	MP5A	X	-.526	-.526	0 %100
88	MP5A	Z	-.304	-.304	0 %100
89	MP1C	X	-.526	-.526	0 %100
90	MP1C	Z	-.304	-.304	0 %100
91	MP2C	X	-.526	-.526	0 %100
92	MP2C	Z	-.304	-.304	0 %100
93	MP3C	X	-.526	-.526	0 %100
94	MP3C	Z	-.304	-.304	0 %100
95	MP5C	X	-.526	-.526	0 %100
96	MP5C	Z	-.304	-.304	0 %100
97	MP1B	X	-.526	-.526	0 %100
98	MP1B	Z	-.304	-.304	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
99	MP2B	X	-526	-526	0	%100
100	MP2B	Z	-304	-304	0	%100
101	MP3B	X	-526	-526	0	%100
102	MP3B	Z	-304	-304	0	%100
103	MP4B	X	-526	-526	0	%100
104	MP4B	Z	-304	-304	0	%100
105	MP5B	X	-526	-526	0	%100
106	MP5B	Z	-304	-304	0	%100
107	MP4C	X	-526	-526	0	%100
108	MP4C	Z	-304	-304	0	%100
109	M318	X	-43	-43	0	%100
110	M318	Z	-248	-248	0	%100
111	M111	X	-43	-43	0	%100
112	M111	Z	-248	-248	0	%100
113	M110A	X	-159	-159	0	%100
114	M110A	Z	-092	-092	0	%100
115	M134	X	-177	-177	0	%100
116	M134	Z	-102	-102	0	%100
117	M135	X	-707	-707	0	%100
118	M135	Z	-408	-408	0	%100
119	M136	X	-177	-177	0	%100
120	M136	Z	-102	-102	0	%100
121	M135A	X	-159	-159	0	%100
122	M135A	Z	-092	-092	0	%100
123	M136A	X	-637	-637	0	%100
124	M136A	Z	-368	-368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-114	-114	0	%100
2	M4	Z	-197	-197	0	%100
3	M10	X	-289	-289	0	%100
4	M10	Z	-5	-5	0	%100
5	M43	X	-289	-289	0	%100
6	M43	Z	-5	-5	0	%100
7	M46	X	-576	-576	0	%100
8	M46	Z	-997	-997	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-32	-32	0	%100
12	M52B	Z	-554	-554	0	%100
13	M76	X	-192	-192	0	%100
14	M76	Z	-332	-332	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M84	X	-192	-192	0	%100
18	M84	Z	-332	-332	0	%100
19	M85	X	-586	-586	0	%100
20	M85	Z	-1.016	-1.016	0	%100
21	M52A	X	-455	-455	0	%100
22	M52A	Z	-788	-788	0	%100
23	M53	X	0	0	0	%100
24	M53	Z	0	0	0	%100
25	M54	X	0	0	0	%100
26	M54	Z	0	0	0	%100
27	M55	X	0	0	0	%100
28	M55	Z	0	0	0	%100
29	M58A	X	-32	-32	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft,...	End Magnitude(lb/ft,...	Start Location(ft, %)	End Location(ft, %)
30	M58A	Z	-554	-554	0	%100
31	M59A	X	-32	-32	0	%100
32	M59A	Z	-554	-554	0	%100
33	M63	X	-768	-768	0	%100
34	M63	Z	-1.33	-1.33	0	%100
35	M64	X	-586	-586	0	%100
36	M64	Z	-1.016	-1.016	0	%100
37	M68	X	-768	-768	0	%100
38	M68	Z	-1.33	-1.33	0	%100
39	M69	X	-586	-586	0	%100
40	M69	Z	-1.016	-1.016	0	%100
41	M76A	X	-114	-114	0	%100
42	M76A	Z	-197	-197	0	%100
43	M77A	X	-289	-289	0	%100
44	M77A	Z	-5	-5	0	%100
45	M78	X	-289	-289	0	%100
46	M78	Z	-5	-5	0	%100
47	M79A	X	-576	-576	0	%100
48	M79A	Z	-997	-997	0	%100
49	M82	X	-32	-32	0	%100
50	M82	Z	-554	-554	0	%100
51	M83A	X	0	0	0	%100
52	M83A	Z	0	0	0	%100
53	M87	X	-192	-192	0	%100
54	M87	Z	-332	-332	0	%100
55	M88A	X	-586	-586	0	%100
56	M88A	Z	-1.016	-1.016	0	%100
57	M90	X	-608	-608	0	%100
58	M90	Z	-1.053	-1.053	0	%100
59	M92A	X	-192	-192	0	%100
60	M92A	Z	-332	-332	0	%100
61	M93	X	0	0	0	%100
62	M93	Z	0	0	0	%100
63	M66	X	-608	-608	0	%100
64	M66	Z	-1.053	-1.053	0	%100
65	M68A	X	0	0	0	%100
66	M68A	Z	0	0	0	%100
67	M70A	X	0	0	0	%100
68	M70A	Z	0	0	0	%100
69	M72	X	-608	-608	0	%100
70	M72	Z	-1.053	-1.053	0	%100
71	M74A	X	-608	-608	0	%100
72	M74A	Z	-1.053	-1.053	0	%100
73	M76B	X	-328	-328	0	%100
74	M76B	Z	-569	-569	0	%100
75	M77B	X	0	0	0	%100
76	M77B	Z	0	0	0	%100
77	M78A	X	-328	-328	0	%100
78	M78A	Z	-569	-569	0	%100
79	MP1A	X	-304	-304	0	%100
80	MP1A	Z	-526	-526	0	%100
81	MP2A	X	-304	-304	0	%100
82	MP2A	Z	-526	-526	0	%100
83	MP3A	X	-304	-304	0	%100
84	MP3A	Z	-526	-526	0	%100
85	MP4A	X	-304	-304	0	%100
86	MP4A	Z	-526	-526	0	%100
87	MP5A	X	-304	-304	0	%100
88	MP5A	Z	-526	-526	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
89	MP1C	X	-304	-304	0 %100
90	MP1C	Z	-526	-526	0 %100
91	MP2C	X	-304	-304	0 %100
92	MP2C	Z	-526	-526	0 %100
93	MP3C	X	-304	-304	0 %100
94	MP3C	Z	-526	-526	0 %100
95	MP5C	X	-304	-304	0 %100
96	MP5C	Z	-526	-526	0 %100
97	MP1B	X	-304	-304	0 %100
98	MP1B	Z	-526	-526	0 %100
99	MP2B	X	-304	-304	0 %100
100	MP2B	Z	-526	-526	0 %100
101	MP3B	X	-304	-304	0 %100
102	MP3B	Z	-526	-526	0 %100
103	MP4B	X	-304	-304	0 %100
104	MP4B	Z	-526	-526	0 %100
105	MP5B	X	-304	-304	0 %100
106	MP5B	Z	-526	-526	0 %100
107	MP4C	X	-304	-304	0 %100
108	MP4C	Z	-526	-526	0 %100
109	M318	X	-248	-248	0 %100
110	M318	Z	-43	-43	0 %100
111	M111	X	-248	-248	0 %100
112	M111	Z	-43	-43	0 %100
113	M110A	X	-276	-276	0 %100
114	M110A	Z	-478	-478	0 %100
115	M134	X	0	0	0 %100
116	M134	Z	0	0	0 %100
117	M135	X	-306	-306	0 %100
118	M135	Z	-53	-53	0 %100
119	M136	X	-306	-306	0 %100
120	M136	Z	-53	-53	0 %100
121	M135A	X	0	0	0 %100
122	M135A	Z	0	0	0 %100
123	M136A	X	-276	-276	0 %100
124	M136A	Z	-478	-478	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M58A	Y	-1.665	-4.226	0 .832
2	M58A	Y	-4.226	-6.901	.832 1.665
3	M58A	Y	-6.901	-8.189	1.665 2.497
4	M58A	Y	-8.189	-6.544	2.497 3.329
5	M58A	Y	-6.544	-3.463	3.329 4.162
6	M59A	Y	-3.469	-6.578	0 .832
7	M59A	Y	-6.578	-8.256	.832 1.665
8	M59A	Y	-8.256	-7.041	1.665 2.497
9	M59A	Y	-7.041	-4.429	2.497 3.329
10	M59A	Y	-4.429	-1.881	3.329 4.162
11	M82	Y	-1.883	-4.428	0 .832
12	M82	Y	-4.428	-7.048	.832 1.665
13	M82	Y	-7.048	-8.261	1.665 2.497
14	M82	Y	-8.261	-6.572	2.497 3.329
15	M82	Y	-6.572	-3.462	3.329 4.162
16	M83A	Y	-3.463	-6.544	0 .832
17	M83A	Y	-6.544	-8.187	.832 1.665
18	M83A	Y	-8.187	-6.899	1.665 2.497
19	M83A	Y	-6.899	-4.227	2.497 3.329



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
20	M83A	Y	-4.227	-1.664	3.329	4.162
21	M51B	Y	-1.884	-4.426	0	.832
22	M51B	Y	-4.426	-7.044	.832	1.665
23	M51B	Y	-7.044	-8.26	1.665	2.497
24	M51B	Y	-8.26	-6.573	2.497	3.329
25	M51B	Y	-6.573	-3.462	3.329	4.162
26	M52B	Y	-3.463	-6.545	0	.832
27	M52B	Y	-6.545	-8.189	.832	1.665
28	M52B	Y	-8.189	-6.902	1.665	2.497
29	M52B	Y	-6.902	-4.228	2.497	3.329
30	M52B	Y	-4.228	-1.661	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....	Start Location[ft.%]	End Location[ft.%]
1	M58A	Y	-3.182	-8.097	0	.832
2	M58A	Y	-8.097	-13.217	.832	1.665
3	M58A	Y	-13.217	-15.681	1.665	2.497
4	M58A	Y	-15.681	-12.533	2.497	3.329
5	M58A	Y	-12.533	-6.632	3.329	4.162
6	M59A	Y	-6.629	-12.588	0	.832
7	M59A	Y	-12.588	-15.819	.832	1.665
8	M59A	Y	-15.819	-13.49	1.665	2.497
9	M59A	Y	-13.49	-8.476	2.497	3.329
10	M59A	Y	-8.476	-3.609	3.329	4.162
11	M82	Y	-3.605	-8.479	0	.832
12	M82	Y	-8.479	-13.496	.832	1.665
13	M82	Y	-13.496	-15.82	1.665	2.497
14	M82	Y	-15.82	-12.585	2.497	3.329
15	M82	Y	-12.585	-6.631	3.329	4.162
16	M83A	Y	-6.632	-12.532	0	.832
17	M83A	Y	-12.532	-15.679	.832	1.665
18	M83A	Y	-15.679	-13.212	1.665	2.497
19	M83A	Y	-13.212	-8.095	2.497	3.329
20	M83A	Y	-8.095	-3.186	3.329	4.162
21	M51B	Y	-3.609	-8.476	0	.832
22	M51B	Y	-8.476	-13.49	.832	1.665
23	M51B	Y	-13.49	-15.819	1.665	2.497
24	M51B	Y	-15.819	-12.588	2.497	3.329
25	M51B	Y	-12.588	-6.629	3.329	4.162
26	M52B	Y	-6.632	-12.533	0	.832
27	M52B	Y	-12.533	-15.681	.832	1.665
28	M52B	Y	-15.681	-13.217	1.665	2.497
29	M52B	Y	-13.217	-8.097	2.497	3.329
30	M52B	Y	-8.097	-3.182	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M58A	Y	-.071	-.181	0	.832
2	M58A	Y	-.181	-.296	.832	1.665
3	M58A	Y	-.296	-.351	1.665	2.497
4	M58A	Y	-.351	-.281	2.497	3.329
5	M58A	Y	-.281	-.149	3.329	4.162
6	M59A	Y	-.149	-.282	0	.832
7	M59A	Y	-.282	-.354	.832	1.665
8	M59A	Y	-.354	-.302	1.665	2.497
9	M59A	Y	-.302	-.19	2.497	3.329
10	M59A	Y	-.19	-.081	3.329	4.162
11	M82	Y	-.081	-.19	0	.832



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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
12	M82	Y	-.19	-.302	.832	1.665
13	M82	Y	-.302	-.354	1.665	2.497
14	M82	Y	-.354	-.282	2.497	3.329
15	M82	Y	-.282	-.148	3.329	4.162
16	M83A	Y	-.149	-.281	0	.832
17	M83A	Y	-.281	-.351	.832	1.665
18	M83A	Y	-.351	-.296	1.665	2.497
19	M83A	Y	-.296	-.181	2.497	3.329
20	M83A	Y	-.181	-.071	3.329	4.162
21	M51B	Y	-.081	-.19	0	.832
22	M51B	Y	-.19	-.302	.832	1.665
23	M51B	Y	-.302	-.354	1.665	2.497
24	M51B	Y	-.354	-.282	2.497	3.329
25	M51B	Y	-.282	-.148	3.329	4.162
26	M52B	Y	-.149	-.281	0	.832
27	M52B	Y	-.281	-.351	.832	1.665
28	M52B	Y	-.351	-.296	1.665	2.497
29	M52B	Y	-.296	-.181	2.497	3.329
30	M52B	Y	-.181	-.071	3.329	4.162

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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
1	M58A	Z	-.178	-.453	0	.832
2	M58A	Z	-.453	-.739	.832	1.665
3	M58A	Z	-.739	-.877	1.665	2.497
4	M58A	Z	-.877	-.701	2.497	3.329
5	M58A	Z	-.701	-.371	3.329	4.162
6	M59A	Z	-.372	-.705	0	.832
7	M59A	Z	-.705	-.884	.832	1.665
8	M59A	Z	-.884	-.754	1.665	2.497
9	M59A	Z	-.754	-.474	2.497	3.329
10	M59A	Z	-.474	-.201	3.329	4.162
11	M82	Z	-.202	-.474	0	.832
12	M82	Z	-.474	-.755	.832	1.665
13	M82	Z	-.755	-.885	1.665	2.497
14	M82	Z	-.885	-.704	2.497	3.329
15	M82	Z	-.704	-.371	3.329	4.162
16	M83A	Z	-.371	-.701	0	.832
17	M83A	Z	-.701	-.877	.832	1.665
18	M83A	Z	-.877	-.739	1.665	2.497
19	M83A	Z	-.739	-.453	2.497	3.329
20	M83A	Z	-.453	-.178	3.329	4.162
21	M51B	Z	-.202	-.474	0	.832
22	M51B	Z	-.474	-.755	.832	1.665
23	M51B	Z	-.755	-.885	1.665	2.497
24	M51B	Z	-.885	-.704	2.497	3.329
25	M51B	Z	-.704	-.371	3.329	4.162
26	M52B	Z	-.371	-.701	0	.832
27	M52B	Z	-.701	-.877	.832	1.665
28	M52B	Z	-.877	-.739	1.665	2.497
29	M52B	Z	-.739	-.453	2.497	3.329
30	M52B	Z	-.453	-.178	3.329	4.162

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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft....)	Start Location(ft.%)	End Location(ft.%)
1	M58A	X	.178	.453	0	.832
2	M58A	X	.453	.739	.832	1.665
3	M58A	X	.739	.877	1.665	2.497

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

	Member Label	Direction	Start Magnitude(lb/ft...)	End Magnitude(lb/ft...)	Start Location(ft.%)	End Location(ft.%)
4	M58A	X	.877	.701	2.497	3.329
5	M58A	X	.701	.371	3.329	4.162
6	M59A	X	.372	.705	0	.832
7	M59A	X	.705	.884	.832	1.665
8	M59A	X	.884	.754	1.665	2.497
9	M59A	X	.754	.474	2.497	3.329
10	M59A	X	.474	.201	3.329	4.162
11	M82	X	.202	.474	0	.832
12	M82	X	.474	.755	.832	1.665
13	M82	X	.755	.885	1.665	2.497
14	M82	X	.885	.704	2.497	3.329
15	M82	X	.704	.371	3.329	4.162
16	M83A	X	.371	.701	0	.832
17	M83A	X	.701	.877	.832	1.665
18	M83A	X	.877	.739	1.665	2.497
19	M83A	X	.739	.453	2.497	3.329
20	M83A	X	.453	.178	3.329	4.162
21	M51B	X	.202	.474	0	.832
22	M51B	X	.474	.755	.832	1.665
23	M51B	X	.755	.885	1.665	2.497
24	M51B	X	.885	.704	2.497	3.329
25	M51B	X	.704	.371	3.329	4.162
26	M52B	X	.371	.701	0	.832
27	M52B	X	.701	.877	.832	1.665
28	M52B	X	.877	.739	1.665	2.497
29	M52B	X	.739	.453	2.497	3.329
30	M52B	X	.453	.178	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

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

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N113	N90	N89	N111	Y	Two Way	-.000223
2	N117	N139	N141	N118	Y	Two Way	-.000223
3	N7	N6	N87C	N87B	Y	Two Way	-.000223

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N113	N90	N89	N111	Z	Two Way	-.000557
2	N117	N139	N141	N118	Z	Two Way	-.000557
3	N7	N6	N87C	N87B	Z	Two Way	-.000557

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N113	N90	N89	N111	X	Two Way	.000557



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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[kslf]
2	N117	N139	N141	N118	X	Two Way	.000557
3	N7	N6	N87C	N87B	X	Two Way	.000557

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	N3	max	1032.768	10	2485.283	13	2184.179	1	4.875	13	1.382	4	.331	4
2		min	-1027.049	4	243.836	7	-2284.286	7	-.955	7	-1.372	10	-.223	10
3	N87D	max	1751.939	9	2432.292	21	1160.765	1	.384	3	1.375	12	.577	3
4		min	-1841.274	3	254.231	3	-1115.012	7	-2.353	21	-1.364	6	-4.309	21
5	N115	max	1949.428	11	2522.976	17	1379.706	1	.36	11	1.448	8	4.194	17
6		min	-1866.006	5	265.495	11	-1325.35	7	-2.842	29	-1.438	2	-.795	11
7	Totals:	max	4592.457	10	6740.405	23	4724.65	1						
8		min	-4592.459	4	2328.676	67	-4724.647	7						

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

Member	Shape	Code C...	Loc(ft)	LC	Shear ...	Loc(ft)	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn	
1	M4	HSS4X4X4	.308	0	1	.074	0	y	14	124657.7...	139518	16.181	16.181	2...	H1-1b
2	M10	HSS4X4X4	.167	2.375	14	.050	2.375	y	14	136263.03	139518	16.181	16.181	1...	H1-1b
3	M43	HSS4X4X4	.170	0	24	.049	0	y	24	136263.03	139518	16.181	16.181	1...	H1-1b
4	M46	PL1/2X6	.152	.516	1	.122	0	y	10	66009.234	97200	1.012	12.15	1...	H1-1b
5	M51B	L2x2x3	.125	4.162	2	.012	0	y	17	9823.122	23392.8	.558	1.093	1...	H2-1
6	M52B	L2x2x3	.126	4.162	12	.013	4.162	y	21	9823.122	23392.8	.558	1.095	1...	H2-1
7	M76	PL3/8X6	.307	0	4	.217	0	y	17	70677.939	72900	.57	9.113	1...	H1-1b
8	M77	PL3/8X6	.206	.167	8	.335	0	y	14	71601.728	72900	.57	9.113	1...	H1-1b
9	M84	PL3/8X6	.246	0	10	.241	0	y	21	70677.939	72900	.57	9.113	1...	H1-1b
10	M85	PL3/8X6	.205	.167	6	.338	0	y	24	71601.728	72900	.57	9.113	1...	H1-1b
11	M52A	HSS4X4X4	.306	0	21	.073	0	y	22	124657.7...	139518	16.181	16.181	3...	H1-1b
12	M53	HSS4X4X4	.175	2.375	22	.053	2.375	y	22	136263.03	139518	16.181	16.181	1...	H1-1b
13	M54	HSS4X4X4	.175	0	20	.050	0	y	20	136263.03	139518	16.181	16.181	1...	H1-1b
14	M55	PL1/2X6	.155	.516	9	.128	0	y	6	66009.234	97200	1.012	12.15	1...	H1-1b
15	M58A	L2x2x3	.125	4.162	10	.012	4.162	y	13	9823.122	23392.8	.558	1.095	1...	H2-1
16	M59A	L2x2x3	.127	4.162	8	.013	4.162	y	17	9823.122	23392.8	.558	1.093	1...	H2-1
17	M63	PL3/8X6	.334	0	12	.229	0	y	13	70677.939	72900	.57	9.113	1...	H1-1b
18	M64	PL3/8X6	.207	.167	4	.354	0	y	22	71601.728	72900	.57	9.113	1...	H1-1b
19	M68	PL3/8X6	.263	0	6	.252	0	y	17	70677.939	72900	.57	9.113	1...	H1-1b
20	M69	PL3/8X6	.205	.167	2	.349	0	y	20	71601.728	72900	.57	9.113	1...	H1-1b
21	M76A	HSS4X4X4	.312	0	5	.097	0	y	43	124657.7...	139518	16.181	16.181	2...	H1-1b
22	M77A	HSS4X4X4	.172	2.375	18	.052	2.375	y	18	136263.03	139518	16.181	16.181	1...	H1-1b
23	M78	HSS4X4X4	.170	0	16	.049	0	y	16	136263.03	139518	16.181	16.181	1...	H1-1b
24	M79A	PL1/2X6	.154	.516	5	.150	.516	y	26	66009.234	97200	1.012	12.15	1...	H1-1b
25	M82	L2x2x3	.125	4.162	6	.012	0	y	21	9823.122	23392.8	.558	1.093	1...	H2-1
26	M83A	L2x2x3	.127	4.162	4	.013	4.162	y	13	9823.122	23392.8	.558	1.095	1...	H2-1
27	M87	PL3/8X6	.326	0	8	.220	0	y	22	70677.939	72900	.57	9.113	1...	H1-1b
28	M88A	PL3/8X6	.207	.167	12	.347	0	y	18	71601.728	72900	.57	9.113	1...	H1-1b
29	M90	PL1/2X6	.062	.125	5	.139	0	y	27	96649.111	97200	1.012	12.15	1...	H1-1b
30	M92A	PL3/8X6	.245	0	2	.241	0	y	13	70677.939	72900	.57	9.113	1...	H1-1b
31	M93	PL3/8X6	.204	.167	10	.337	0	y	16	71601.728	72900	.57	9.113	1...	H1-1b
32	M66	PL1/2X6	.065	.125	9	.107	.125	y	5	96649.111	97200	1.012	12.15	1...	H1-1b
33	M68A	PL1/2X6	.061	.125	1	.090	0	y	11	96649.111	97200	1.012	12.15	1...	H1-1b
34	M70A	PL1/2X6	.064	.125	5	.105	.125	y	1	96649.111	97200	1.012	12.15	1...	H1-1b
35	M72	PL1/2X6	.061	.125	9	.094	0	y	7	96649.111	97200	1.012	12.15	1...	H1-1b
36	M74A	PL1/2X6	.064	.125	1	.102	.125	y	9	96649.111	97200	1.012	12.15	1...	H1-1b
37	M76B	PIPE 3.0	.152	9.667	9	.078	11.328	7	21266.02	65205	5.749	5.749	1...	H1-1b	
38	M77B	PIPE 3.0	.153	9.667	5	.072	11.328	3	21266.02	65205	5.749	5.749	1...	H1-1b	
39	M78A	PIPE 3.0	.151	9.667	1	.078	11.328	11	21266.02	65205	5.749	5.749	1...	H1-1b	
40	MP1A	PIPE 2.0	.226	5.25	8	.135	2.25	8	20866.733	32130	1.872	1.872	2...	H1-1b	



Company : Colliers Engineering & Design
 Designer :
 Job Number : Project No. 10207115
 Model Name : 5000104060-VZW_MT_LO_H

July 18, 2023
 3:23 PM
 Checked By: _____

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

Member	Shape	Code C...	Loc(ft)	LC Shear ...	Loc(ft)	Dir	LC phi*Pnc (lb)	phi*Pnt (lb)	phi*Mn y...	phi*Mn z...	Cb	Egn			
41	MP2A	PIPE 2.0	.324	5.25	9	.120	5.25	7	20866.733	32130	1.872	1.872	2...	H1-1b	
42	MP3A	PIPE 2.0	.415	4.302	10	.077	1.458	11	17855.085	32130	1.872	1.872	1...	H1-1b	
43	MP4A	PIPE 2.0	.358	5.906	5	.109	5.906	7	17855.085	32130	1.872	1.872	1...	H1-1b	
44	MP5A	PIPE 2.0	.286	2.25	7	.152	2.25	7	20866.733	32130	1.872	1.872	2...	H1-1b	
45	MP1C	PIPE 2.0	.224	5.25	5	.130	2.25	4	20866.733	32130	1.872	1.872	2...	H1-1b	
46	MP2C	PIPE 2.0	.332	5.25	5	.108	5.25	3	20866.733	32130	1.872	1.872	2...	H1-1b	
47	MP3C	PIPE 2.0	.416	4.302	6	.077	1.458	7	17855.085	32130	1.872	1.872	1...	H1-1b	
48	MP5C	PIPE 2.0	.286	2.25	2	.141	2.25	3	20866.733	32130	1.872	1.872	2...	H1-1b	
49	MP1B	PIPE 2.0	.231	5.25	12	.138	2.25	12	20866.733	32130	1.872	1.872	2...	H1-1b	
50	MP2B	PIPE 2.0	.333	5.25	1	.119	5.25	11	20866.733	32130	1.872	1.872	2.1	H1-1b	
51	MP3B	PIPE 2.0	.411	4.302	2	.072	1.458	3	17855.085	32130	1.872	1.872	2...	H1-1b	
52	MP4B	PIPE 2.0	.347	5.25	9	.109	5.25	11	20866.733	32130	1.872	1.872	2...	H1-1b	
53	MP5B	PIPE 2.0	.304	2.25	10	.150	2.25	11	20866.733	32130	1.872	1.872	1...	H1-1b	
54	MP4C	PIPE 2.0	.358	5.25	1	.100	5.25	3	20866.733	32130	1.872	1.872	2...	H1-1b	
55	M318	PIPE 2.0	.097	2.5	1	.018	2.5	1	28843.414	32130	1.872	1.872	1	H1-1b	
56	M111	PIPE 2.0	.097	2.5	7	.018	2.5	7	28843.414	32130	1.872	1.872	1...	H1-1b	
57	M110A	PIPE 2.5	.198	12.839	5	.113	1.057	1	10819.554	50715	3.596	3.596	1...	H1-1b	
58	M134	L3X3X6	.245	0	7	.117	0	y	6	66672.314	68364	2.307	5.322	1...	H2-1
59	M135	L3X3X6	.223	0	3	.114	0	y	2	66672.314	68364	2.307	5.322	1...	H2-1
60	M136	L3X3X6	.246	0	11	.112	0	y	10	66672.314	68364	2.307	5.322	1.7	H2-1
61	M135A	PIPE 2.5	.199	12.839	1	.103	1.057	9	10819.554	50715	3.596	3.596	1...	H1-1b	
62	M136A	PIPE 2.5	.186	12.839	9	.112	1.057	5	10819.554	50715	3.596	3.596	1...	H1-1b	

I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

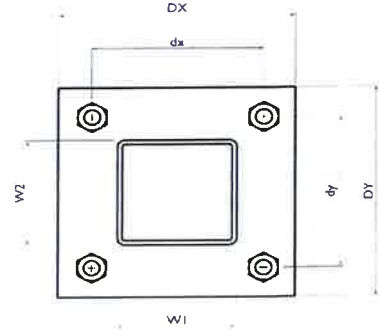
Yes

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
8
8
A325N
0.625
4.2
0.5
20.7
12.4
20.4%

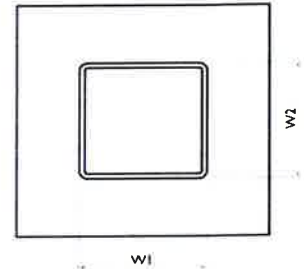


Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:
 Weld Stiffener Configuration:
 Plate Width, D_x (in):
 Plate Height, D_y (in):
 W_1 (in):
 W_2 (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:

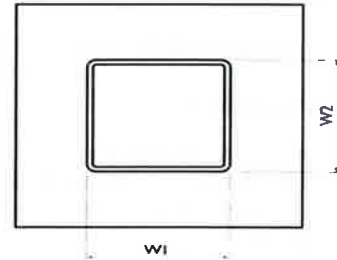
Rect Tube
No Stiffeners
10
10
4
4
0.25
36
0.625
7.85
3.06
12.95
24.84
52.1%



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
1.94
5.57
34.9%

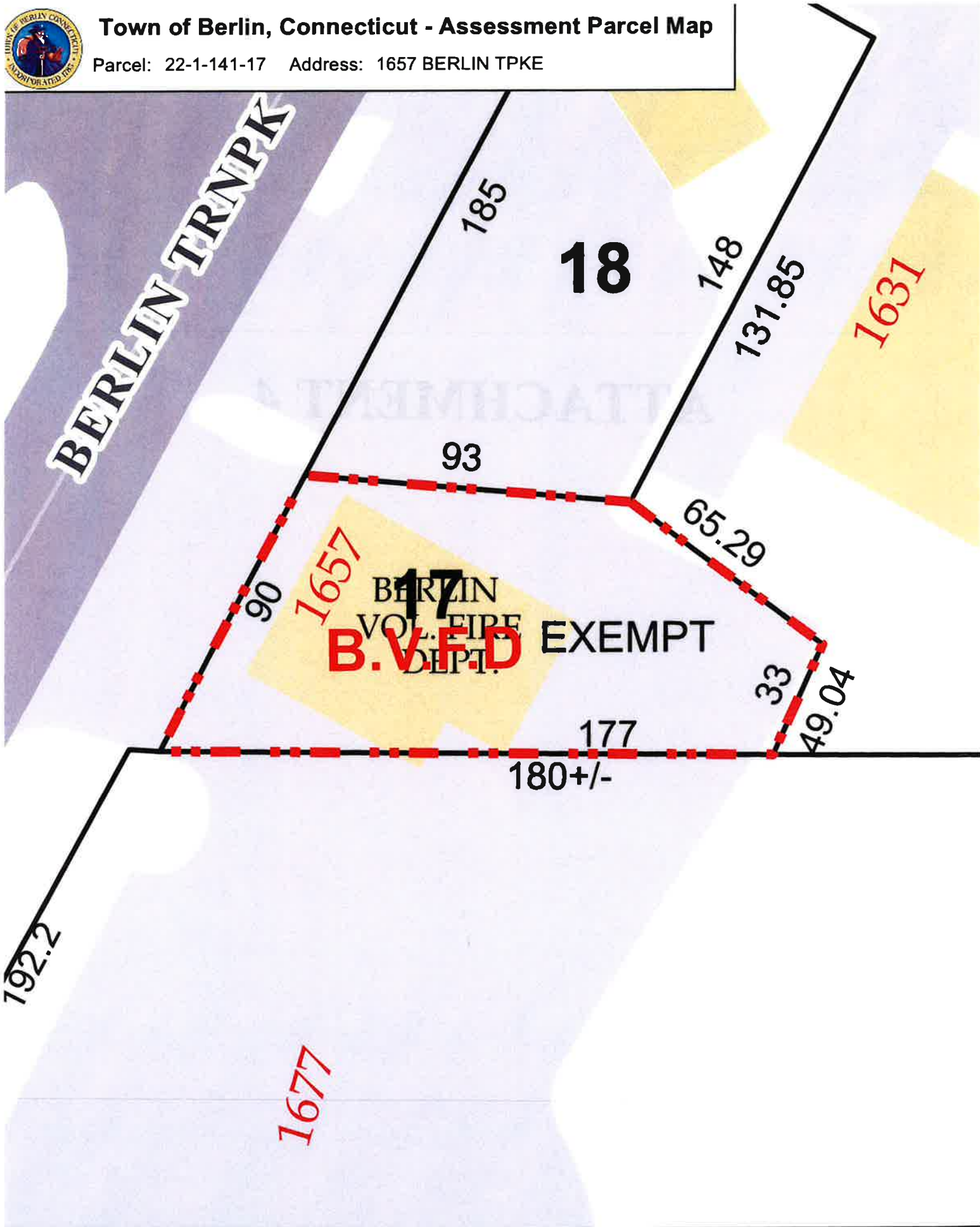


ATTACHMENT 4

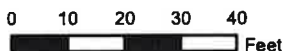


Town of Berlin, Connecticut - Assessment Parcel Map

Parcel: 22-1-141-17 Address: 1657 BERLIN TPKE



Approximate Scale: 1 Inch = 34 feet



Map Produced: January 2021

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



Property Information

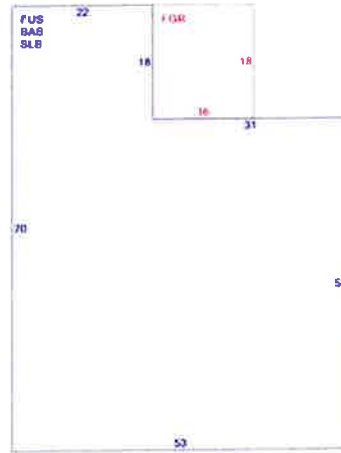
Property Location	1657 BERLIN TPKE
Owner	BERLIN VOLUNTEER FIRE DEPT
Co-Owner	BERLIN FIREHOUSE
Mailing Address	1657 BERLIN TPKE BERLIN CT 06037
Land Use	9031 Municipal MDL-96
Land Class	E
Zoning Code	BT-1
Census Tract	4002

District	7
Acreage	0.23
Utilities	All Public
Book / Page	0114/0272

Photo



Sketch



Primary Construction Details

Year Built	1946
Building Desc.	Municipal MDL-96
Building Style	Other Municip
Stories	2
Occupancy	1.00
Exterior Walls	Brick Veneer
Exterior Walls 2	
Roof Style	Mansard
Roof Cover	Rolled Compos
Interior Walls	Plaster/Drywal
Interior Walls 2	
Interior Floors 1	Hardwood
Interior Floors 2	Carpet




Heating Fuel	Oil/Gas
Heating Type	Hot Air-no Duc
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	
Kitchen Style	
Fin BSMT Area	
Fin BSMT Quality	
Fin BSMT Area 2	
Fin BSMT Qual 2	

BSMT Garages	0
Fireplaces	0
Whirlpool Tub	0
Building Use	Ind/Comm
Building Condition	A
Industrial / Commercial Details (*Residential Not Applicable)	
Heat / AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	SUS-CEIL & WL
Rooms / Prtns	AVERAGE
Wall Height	12
First Floor Use	9031

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 3 Postmaster, per (name of receiving employee) 	TOTAL NO. of Pieces Received at Post Office™  Affix Stamp Here Postmark with Date of Receipt. 	<table border="1"> <thead> <tr> <th data-bbox="625 115 820 1999">USPS® Tracking Number Firm-specific Identifier</th> <th data-bbox="625 682 820 877">Address (Name, Street, City, State, and ZIP Code™)</th> <th data-bbox="625 493 820 682">Postage</th> <th data-bbox="625 304 820 493">Fee</th> <th data-bbox="625 115 820 304">Special Handling</th> <th data-bbox="625 115 820 115">Parcel Airift</th> </tr> </thead> <tbody> <tr> <td data-bbox="820 115 901 1999">1.</td> <td data-bbox="820 682 901 877">Aroscha Jayawickrema, Town Manager Town of Berlin 240 Kensington Road Berlin, CT 06037</td> <td data-bbox="820 493 901 682"></td> <td data-bbox="820 304 901 493"></td> <td data-bbox="820 115 901 304"></td> <td data-bbox="820 115 901 115"></td> </tr> <tr> <td data-bbox="901 115 982 1999">2.</td> <td data-bbox="901 682 982 877">Maureen Giusti, Town Planner/Zoning Enforcement Officer Town of Berlin 240 Kensington Road Berlin, CT 06037</td> <td data-bbox="901 493 982 682"></td> <td data-bbox="901 304 982 493"></td> <td data-bbox="901 115 982 304"></td> <td data-bbox="901 115 982 115"></td> </tr> <tr> <td data-bbox="982 115 1063 1999">3.</td> <td data-bbox="982 682 1063 877">Berlin Volunteer Fire Department 1657 Berlin Turnpike Berlin, CT 06037</td> <td data-bbox="982 493 1063 682"></td> <td data-bbox="982 304 1063 493"></td> <td data-bbox="982 115 1063 304"></td> <td data-bbox="982 115 1063 115"></td> </tr> <tr> <td data-bbox="1063 115 1144 1999">4.</td> <td data-bbox="1063 682 1144 877"></td> <td data-bbox="1063 493 1144 682"></td> <td data-bbox="1063 304 1144 493"></td> <td data-bbox="1063 115 1144 304"></td> <td data-bbox="1063 115 1144 115"></td> </tr> <tr> <td data-bbox="1144 115 1226 1999">5.</td> <td data-bbox="1144 682 1226 877"></td> <td data-bbox="1144 493 1226 682"></td> <td data-bbox="1144 304 1226 493"></td> <td data-bbox="1144 115 1226 304"></td> <td data-bbox="1144 115 1226 115"></td> </tr> <tr> <td data-bbox="1226 115 1307 1999">6.</td> <td data-bbox="1226 682 1307 877"></td> <td data-bbox="1226 493 1307 682"></td> <td data-bbox="1226 304 1307 493"></td> <td data-bbox="1226 115 1307 304"></td> <td data-bbox="1226 115 1307 115"></td> </tr> </tbody> </table>	USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airift	1.	Aroscha Jayawickrema, Town Manager Town of Berlin 240 Kensington Road Berlin, CT 06037					2.	Maureen Giusti, Town Planner/Zoning Enforcement Officer Town of Berlin 240 Kensington Road Berlin, CT 06037					3.	Berlin Volunteer Fire Department 1657 Berlin Turnpike Berlin, CT 06037					4.						5.						6.					
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