Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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Also admitted in Massachusetts
and New York

October 25, 2021

Via Electronic Mail

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**
57 Cook Road, Montville, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to the tower and associated equipment on the ground adjacent to the tower. The tower was approved by the Town of Montville ("Town") in January of 1997. Cellco's use of the tower was approved by the Siting Council ("Council") in September of 1998 (EM-BAM-086-980821). A copy of the Town's approval and Council's EM-BAM-086-980821 approval are included in Attachment 1.

Cellco now intends to modify its facility by remove six (6) antennas and install three (3) new Samsung MT6407-77A antennas and six (6) NHH-65B-R2B antenna on Cellco's existing antenna mounting structure. Cellco also intends to remove nine (9) remote radio heads ("RRHs") and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and specifications for the new antennas and RRHs are 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 Montville's Chief Elected Official and Land Use Officer.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on Cellco's existing antenna mounting system.

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 antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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 ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounting system, with certain hardware upgrades, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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:
Ronald K. McDaniel, Montville Mayor
Liz Burdick, Town Planner
Robert and Karen Kingsborough, Property Owners
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

TEL: 848-8549
FAX: 848-2354

TOWN OF MONTVILLE
PLANNING & ZONING COMMISSION

310 NORWICH-NEW LONDON TPKE.
UNCASVILLE, CONNECTICUT 06382-2599

LEGAL NOTICE

The Montville Planning and Zoning Commission at its meeting held on January 14, 1997, took the following action:

APPROVED the site plan submitted by **Wireless Solutions, LLC and Robert W. Kingsborough** to install a 180' radio tower and antenna for wireless communication purposes on property located at 57 Cook Drive, Montville, Ct. Shown on Assessor's Map 98, Lot 2.

APPROVED modifications to approved subdivision plans of **Lochdale Estates Subdivision** to eliminate the requirement that dry sewers be installed in Phase II and Phase III.

The application of **Christy's Market, Inc./Jack D'Elia** was withdrawn.

Maps and documentation concerning the above applications are on file in the office of the Town Planner, Town Hall Annex, Montville, Ct.

Dated at Montville, Ct. this 15th day of January, 1997.

MONTVILLE PLANNING AND ZONING COMMISSION
Gregory Majewski, Chairman

PUBLISH IN THE NEW LONDON DAY January 17, 1997.

PLEASE REFERENCE PURCHASE ORDER 6100 F 1 ON INVOICE.

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

September 2, 1998

Ms. Sandy M. Carter
Regulatory Manager
Bell Atlantic Mobile
20 Alexander Drive, P.O. Box 5029
Wallingford, CT 06492

Re: EM-BAM-086-980821 - Bell Atlantic Mobile notice of intent to modify an existing telecommunications tower located at 57 Cook Drive, Montville, Connecticut.

Dear Ms. Carter:

At a public meeting held on September 1, 1998, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Montville, Connecticut, 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 August 21, 1998. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 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,

Mortimer A. Gelston
Chairman

MAG/RKE/jlh

c: Honorable Patrick Dougherty, Mayor, Town of Montville

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ATTACHMENT 2

MONTVILLE_4_CT

57 COOK DRIVE
MONTVILLE, CT 06353

LOCATION CODE (PSLC): 468972
FUZE ID: 16271979
EQUIPMENT UPGRADE PROJECT
RFDS DATE: 07/30/21

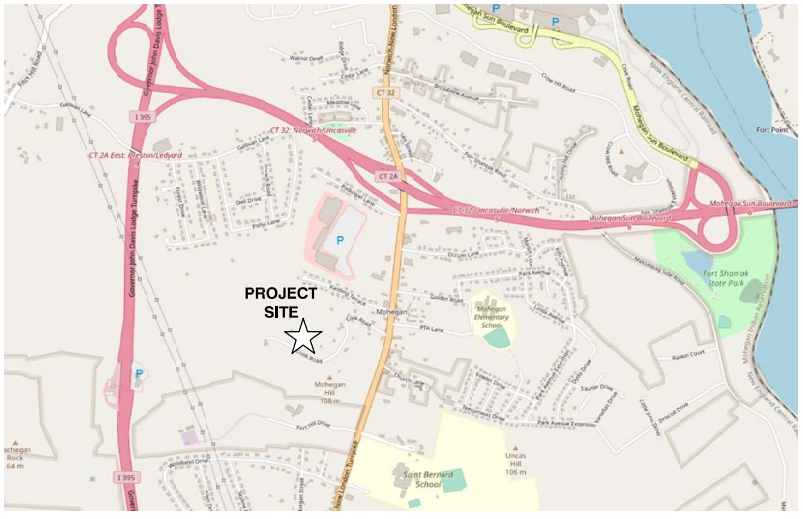
PROJECT SUMMARY

SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION
SITE NAME:	MONTVILLE_4_CT
LOCATION CODE (PSLC):	468972
FUZE PROJECT ID:	16271979
SITE ADDRESS:	57 COOK DRIVE MONTVILLE, CT 06353
LATITUDE:	41.474986 N (RFDS)
LONGITUDE:	−72.10505 W (RFDS)
FACILITY:	WIRELESS SOLUTIONS LLC GUYED TOWER
APPLICANT, LESSEE/LICENSEE, PROJECT OWNER:	CELLCO PARTNERSHIP dba VERIZON WIRELESS 118 FLANDERS ROAD THIRD FLOOR WESTBOROUGH, MA 01581
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC 4 BAY ROAD BUILDING A, SUITE 200 HADLEY, MA 01035

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T−1	TITLE SHEET	0
A−1	COMPOUND PLAN & ELEVATION	0
A−2	EXISTING AND PROPOSED ANTENNA PLAN	0
D−1	DETAIL	0
X−1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)	0

LOCATION MAP



N

IMAGE SOURCE: OPENSTREETMAP

GENERAL NOTES

1. VERIFY COAX CONFIGURATION, ANTENNA CONFIGURATION, AND ANTENNA HEIGHT WITH LATEST RF DATA SHEET PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL SCHEDULE AND SEQUENCE ALL REQUIRED WORK WITH THE OWNER'S REPRESENTATIVE AND CONSTRUCTION MANAGER.
3. REPAIR ANY DAMAGE DURING CONSTRUCTION TO MATCH EXISTING PRE−CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CONSTRUCTION MANAGER
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR THE WORK.
5. ANTENNAS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, GLOBAL STRUCTURAL ANALYSIS, AND LOCAL ANTENNA MOUNT ANALYSIS INCLUDING ANTENNA MOUNT MODIFICATIONS AND STRUCTURAL AUGMENTS AS APPLICABLE.
6. REPLACE AND/OR REUSE (E) MOUNTING HARDWARE, INSPECT FOR DAMAGE, AND REPLACE AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
7. EQUIPMENT LOCATIONS AND CONDITIONS TO BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR BE RESPONSIBLE FOR THE SAME.
8. NORTH SHOWN IS APPROXIMATE. NOT ALL (E) OR (P) IMPROVEMENTS REQUIRED MAY BE SHOWN FOR CLARITY.
9. ANTENNA ELEVATIONS SHALL BE PER ZONING OR AS APPROVALS DICTATE.
10. THESE CONSTRUCTION DRAWINGS ARE CONTINGENT UPON A PASSING GLOBAL STRUCTURAL ANALYSIS INCLUDING THE INSTALLATION OF ANY REQUIRED MODIFICATIONS AND INSPECTION REPORTS AS A RESULT THEREIN.

STRUCTURAL NOTES

GLOBAL TOWER STRUCTURAL ANALYSIS REPORT:

PASSING REPORT – NO MODIFICATIONS REQUIRED
BY PROTERRA AND EFI GLOBAL, INC. DATED 09/10/21.

LOCAL ANTENNA MOUNT ANALYSIS REPORT:

PASSING REPORT – MOUNT HARDWARE UPGRADE REQUIRED
BY MASER CONSULTING DATED 08/10/21

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS: https://pmi.vzwsmart.com

SMART TOOL VENDOR PROJECT NUMBER: 10037938

VzW LOCATION CODE (PSLC): 468972

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 08/10/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): YES

- REINFORCE EXISTING MOUNT TO TOWER CONNECTIONS WITH NEW SITEPRO 1 R5−REINF KITS ON ALL SECTORS.
- INSTALL SAFETY CLIMB WIRE ROPE GUIDE (PART #: SITE PRO 1 – 120−203/317 OR EOR APPROVED EQUAL) IN LOCATIONS WHERE THE WIRE ROPE IS RUBBING AGAINST MOUNT TO TOWER ATTACHMENTS. CONTRACTOR SHALL PROVIDE PHOTOS OF SAFETY CLIMB WIRE ROPE GUIDE INSTALLATION.

Jesse Moreno, PE

Digitally signed by Jesse Moreno, PE
Date: 2021.09.10 17:18:00 -04'00'

verizon
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

PREPARED BY:
ProTerra DESIGN GROUP, LLC
4 Bay Road, Bldg A
Suite 200
Hadley, MA 01035
Ph: (413)320−4918

REVISIONS

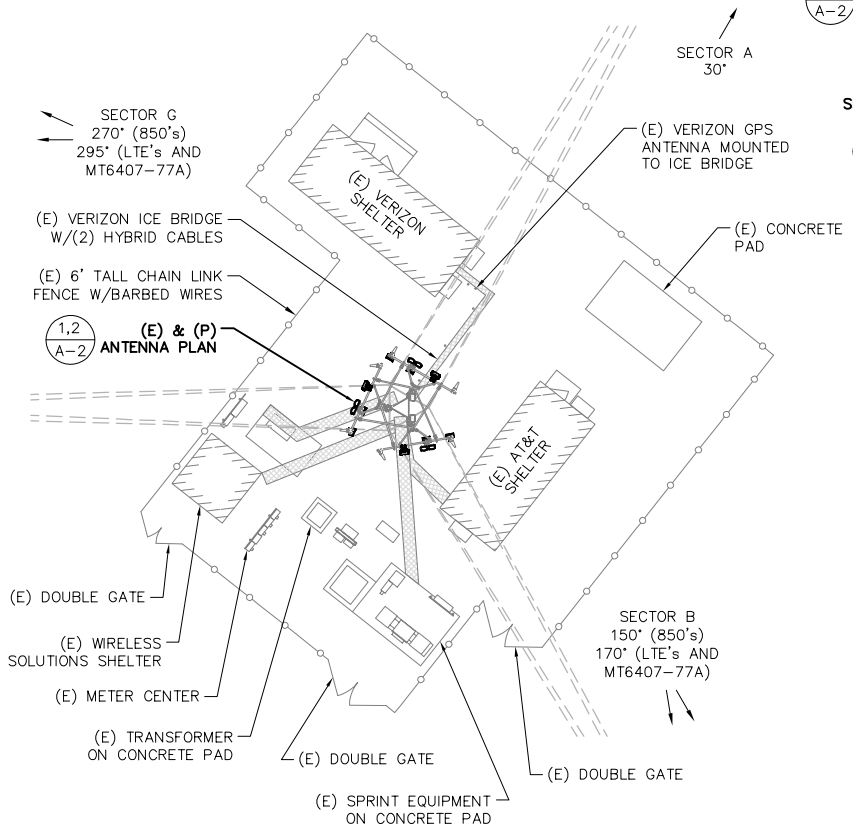
REV	DATE	DESCRIPTION	BY	CHK	APP'D
	09/10/21	PER RFDS DATED 07/30/21	TBD	JWG	JMM

STATE OF CONNECTICUT
JESSE M. MORENO
No. 24389
LICENSED PROFESSIONAL ENGINEER
9-10-2021

MONTVILLE_4_CT
57 COOK DRIVE
MONTVILLE, CT 06353
FUZE PROJECT ID: 16271979

T-1

NOTE: AGL ELEVATIONS SHOWN HEREON FOR GENERAL REFERENCE ONLY, REFER TO LOCAL ANTENNA MOUNT ANALYSIS BY MASER CONSULTING AND SHEET X-1 FOR REQUIRED EQUIPMENT MOUNTING CONFIGURATION INCLUDING VERTICAL AND HORIZONTAL MOUNTING LOCATIONS LISTED IN TABLES. COORDINATE EQUIPMENT LOCATIONS AND ANY CONFLICTS WITH MASER CONSULTING.



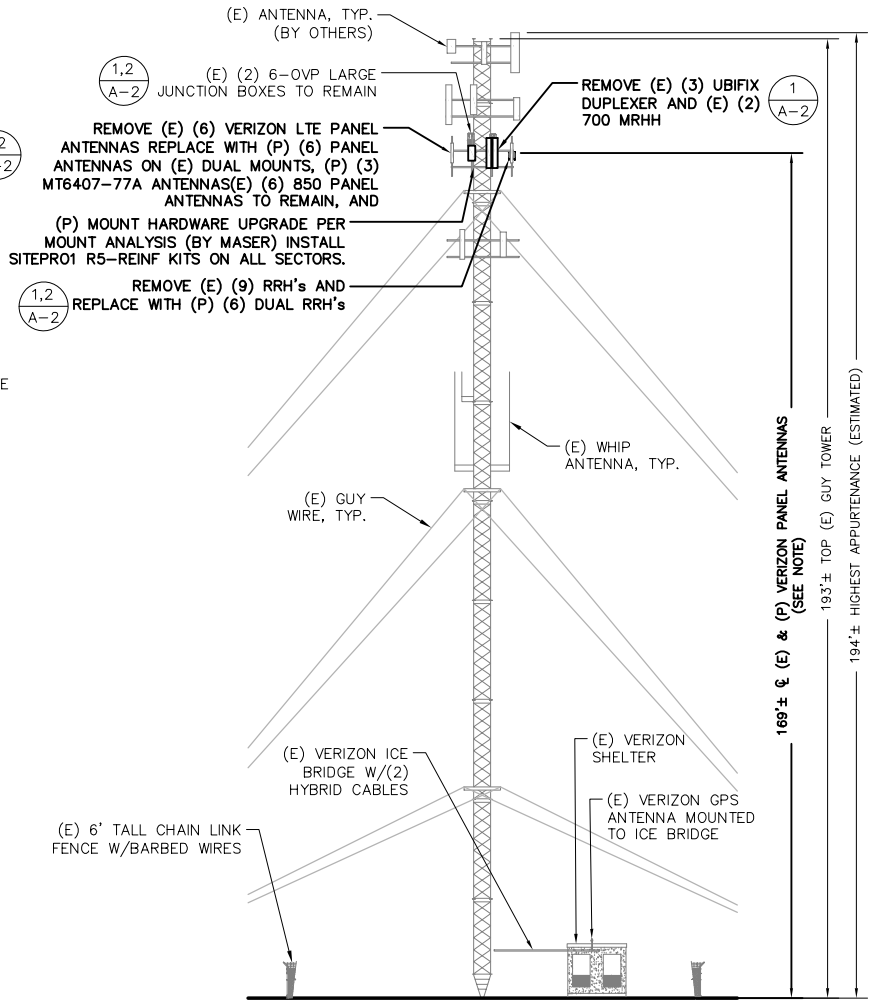
N

COMPOUND PLAN

SCALE: 1"=20' (11x17)

1 / A-1

20 10 0 20



SOUTHEAST ELEVATION

SCALE: 1"=25' (11x17)

2 / A-1

25 12.5 0 25

verizon
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THIRD FLOOR
WESTBOROUGH, MA 01581

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Suite 200
Hadley, MA 01035
Ph:(413)320-4918

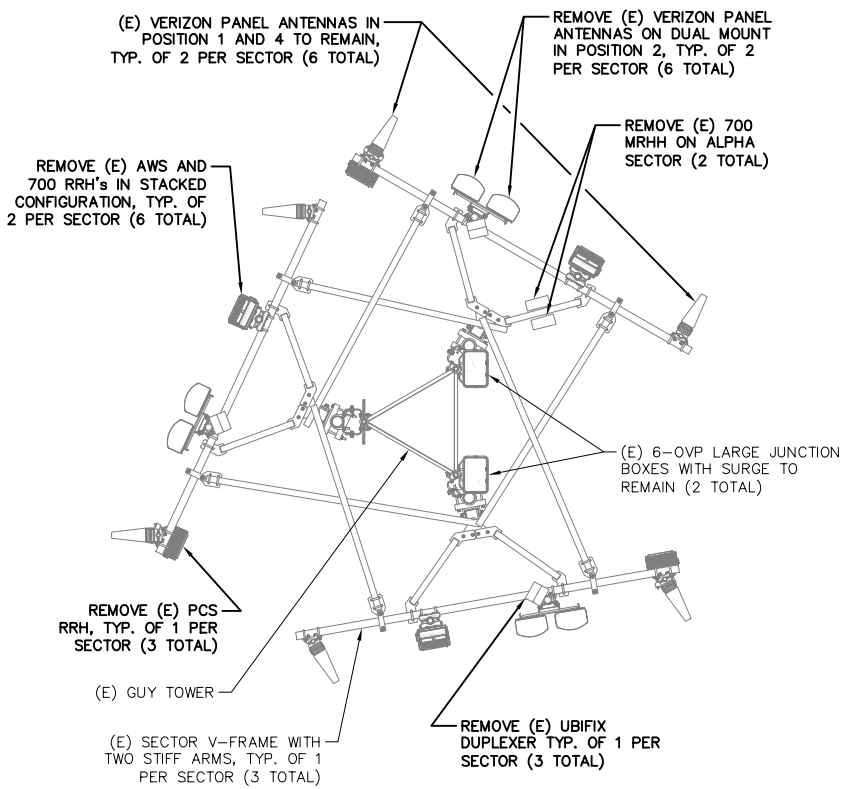
REVISIONS

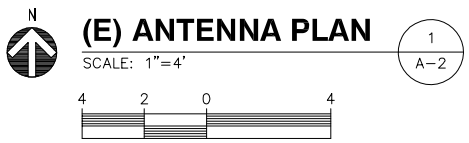
REV	DATE	DESCRIPTION	BY	CHK	APP'D
	09/10/21	PER RFDS DATED 07/30/21	TBD	JWG	JMM

STATE OF CONNECTICUT
JESSE M. MOREHOUSE
No. 24389
LICENSED
PROFESSIONAL ENGINEER
9-10-2021

MONTVILLE_4_CT
57 COOK DRIVE
MONTVILLE, CT 06353
FUZE PROJECT ID: 16271979

A-1

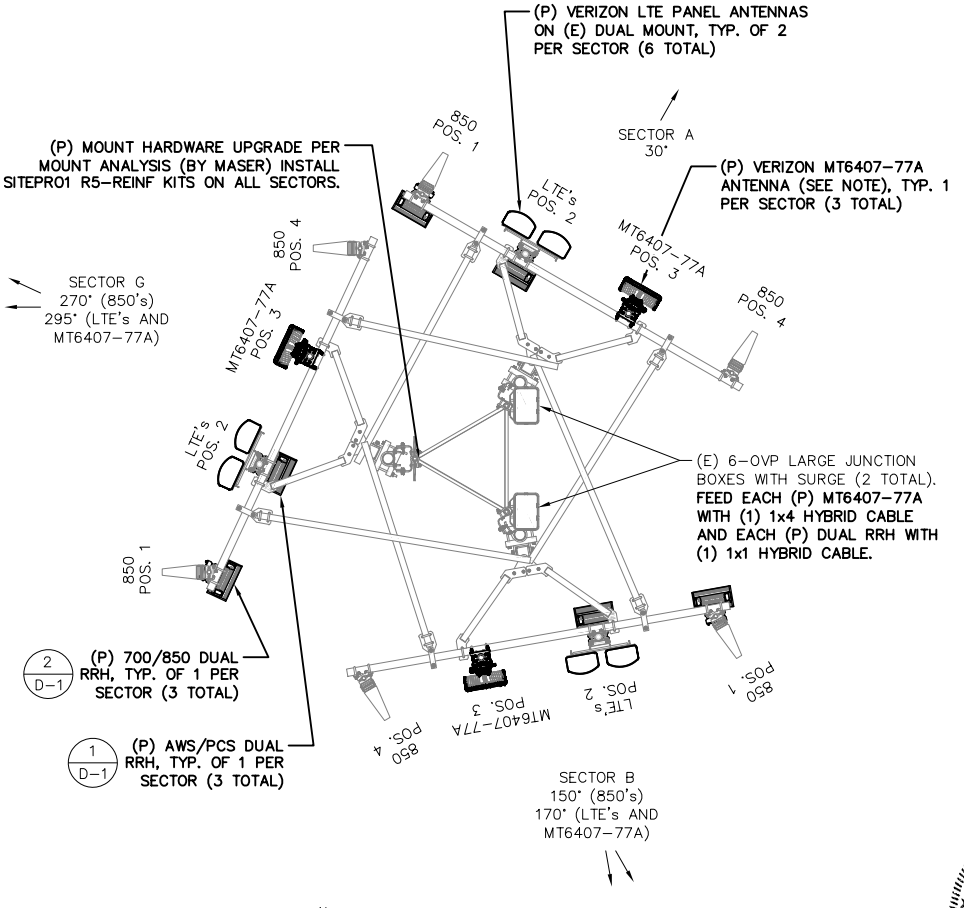


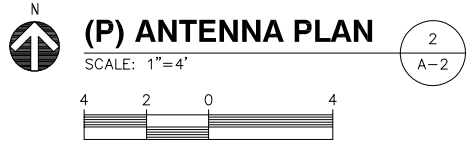


(E) ANTENNA PLAN

SCALE: 1"=4'

1 / A-2





(P) ANTENNA PLAN

SCALE: 1"=4'

2 / A-2

NOTE: AT TIME OF PUBLICATION, THE DESIGN OF THE VERIZON MT6407-77A ANTENNA WAS NOT FINALIZED. BASED UPON DIRECTIVE BY VERIZON WIRELESS, FOR DESIGN PURPOSES THE PROPOSED EQUIPMENT HAS BEEN CONSIDERED TO BE A MAXIMUM SIZE NOT TO EXCEED 35.1"±H x 16.1"±W x 5.6"±D AND WEIGH APPROXIMATELY 87.1±LBS. IF ANY OF THESE PARAMETERS ARE EXCEEDED BY THE EQUIPMENT THE ENGINEER(S) SHALL BE NOTIFIED TO REVISE THE DRAWINGS, STRUCTURAL ANALYSIS, AND MOUNT ANALYSIS.

verizon
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

PREPARED BY:
ProTerra DESIGN GROUP, LLC
4 Bay Road, Bldg A
Suite 200
Hadley, MA 01035
Ph:(413)320-4918

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
	09/10/21	PER RFDS DATED 07/30/21	TBD	JWG	JMM

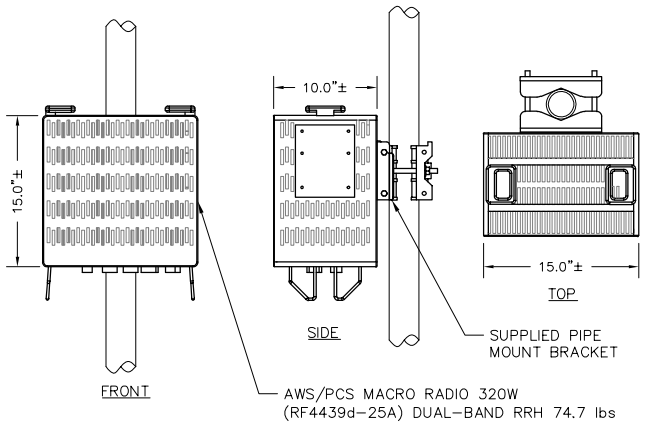
STATE OF CONNECTICUT
JESSE M. MORENCY
No. 24389
LICENSED PROFESSIONAL ENGINEER
9-10-2021

MONTVILLE_4_CT
57 COOK DRIVE
MONTVILLE, CT 06353
FUZE PROJECT ID: 16271979

A-2

INSTALLATION NOTES:

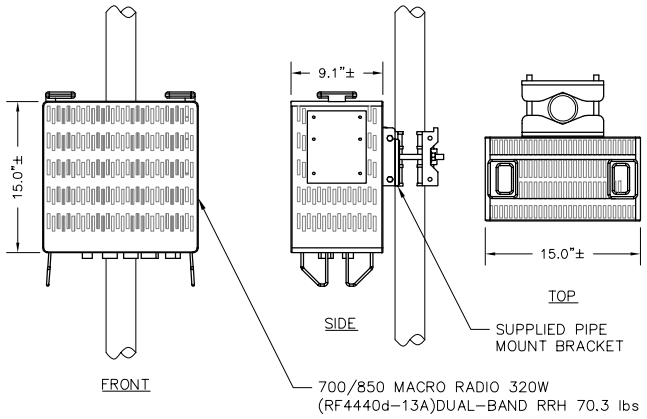
1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES, AND RRHs IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. INSTALL EQUIPMENT AND MOUNTING BRACKETS TO PRESERVE CLIMBING ACCESS ON TOWER.
4. EQUIPMENT TO BE INSTALLED AT VERIZON RAD. CENTER IN ACCORDANCE WITH GLOBAL TOWER STRUCTURAL ANALYSIS AND MOUNT ANALYSIS (BY OTHERS).



(P) AWS/PCS RRH MOUNTING DETAIL

SCALE: NONE

1 / D-1



(P) 700/850 RRH MOUNTING DETAIL

SCALE: NONE

2 / D-1

verizon
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WESTBOROUGH, MA 01581

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4 Bay Road, Bldg A
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REVISIONS

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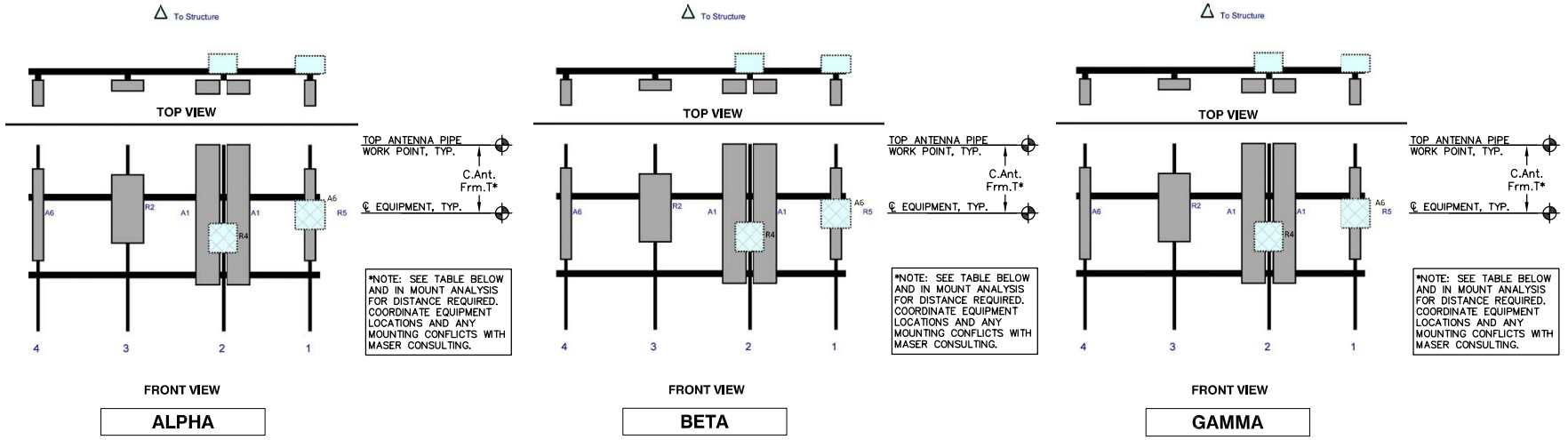
STATE OF CONNECTICUT
JESSE M. MOORE
No. 24389
LICENSED PROFESSIONAL ENGINEER
9-10-2021

MONTVILLE_4_CT
57 COOK DRIVE
MONTVILLE, CT 06353
FUZE PROJECT ID: 16271979

D-1

ANTENNA LAYOUT SCHEMATIC RENDERINGS SHOWN HEREON PROVIDED BY OTHERS

REFER TO ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 08/10/21



ALPHA

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Ppe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080/4CF	47.2	5.5	145	1	a	Front	36	0	Retained	02/25/2021
R5	RF4440d-13A	15	15	145	1	a	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	100	2	a	Front	36	8	Added	
A1	NHH-65B-R2B	72	11.9	100	2	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R2	MT6407-77A	35.1	16.1	51	3	a	Front	33	0	Added	
A6	LPA-80080/4CF	47.2	5.5	5	4	a	Front	36	0	Retained	02/25/2021

BETA

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080/4CF	47.2	5.5	145	1	a	Front	36	0	Retained	02/25/2021
R5	RF4440d-13A	15	15	145	1	a	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	100	2	a	Front	36	8	Added	
A1	NHH-65B-R2B	72	11.9	100	2	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R2	MT6407-77A	35.1	16.1	51	3	a	Front	33	0	Added	
A6	LPA-80080/4CF	47.2	5.5	5	4	a	Front	36	0	Retained	02/25/2021

GAMMA

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	51	3	a	Front	33	0	Added	
A6	LPA-80080/4CF	47.2	5.5	5	4	a	Front	36	0	Retained	02/25/2021
A6	LPA-80080/4CF	47.2	5.5	145	1	a	Front	36	0	Retained	02/25/2021
R5	RF4440d-13A	15	15	145	1	a	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	100	2	a	Front	36	8	Added	
A1	NHH-65B-R2B	72	11.9	100	2	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS: https://pmi.vzwsmart.com

SMART TOOL VENDOR PROJECT NUMBER: 10037938

VzW LOCATION CODE (PSLC): 468972

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 08/10/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): YES

- REINFORCE EXISTING MOUNT TO TOWER CONNECTIONS WITH NEW SITEPRO 1 R5-REINF KITS ON ALL SECTORS.
- INSTALL SAFETY CLIMB WIRE ROPE GUIDE (PART #: SITE PRO 1 – 120-203/317 OR EOR APPROVED EQUAL) IN LOCATIONS WHERE THE WIRE ROPE IS RUBBING AGAINST MOUNT TO TOWER ATTACHMENTS. CONTRACTOR SHALL PROVIDE PHOTOS OF SAFETY CLIMB WIRE ROPE GUIDE INSTALLATION.

verizon
118 FLANDERS ROAD
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PREPARED BY:
ProTerra DESIGN GROUP, LLC
4 Bay Road, Bldg A
Suite 200
Hadley, MA 01035
Ph: (413)320-4918

RENDERINGS BY:
MASER CONSULTING
MT. LAUREL OFFICE
2000 MIDLANTIC DRIVE - SUITE 100
MOUNT LAUREL, NJ 08054
Phone: 856-797-0412

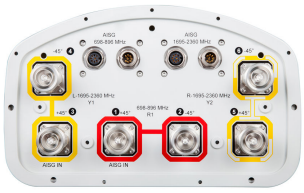
REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	09/10/21	PER RFDS DATED 07/30/21	TBD	JWG	JMM

MONTVILLE_4_CT
57 COOK DRIVE
MONTVILLE, CT 06353
FUZE PROJECT ID: 16271979

X-1

NHH-65B-R2B



6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 65° HPBW, 2x RET. Both high bands share the same electrical tilt.

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One RET for low band and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.26 m^2 | 2.799 ft^2
Effective Projective Area (EPA), lateral	0.22 m^2 | 2.368 ft^2
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male

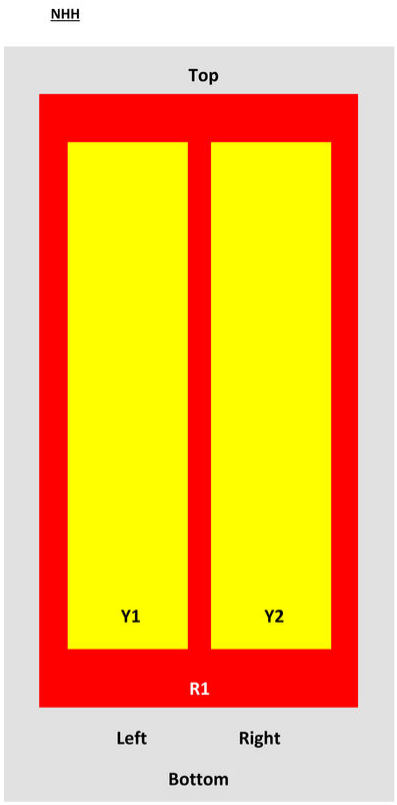
Dimensions

Width	301 mm | 11.85 in
Length	1828 mm | 71.969 in

NHH-65B-R2B

Depth	180 mm | 7.087 in

Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxx1
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6		

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W

NHH-65B-R2B

Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	300	300	300	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0 ° | 14.4 7 ° | 14.6 14 ° | 14.3	0 ° | 14.7 7 ° | 14.7 14 ° | 14.1	0 ° | 17.2 4 ° | 17.3 7 ° | 17.3	0 ° | 17.6 4 ° | 17.7 7 ° | 17.7	0 ° | 18.0 4 ° | 18.2 7 ° | 18.1	0 ° | 18.3 4 ° | 18.5 7 ° | 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19

NHH-65B-R2B

CPR at Sector, dB	10	7	16	13	11	4

Mechanical Specifications

Wind Loading at Velocity, frontal	278.0 N @ 150 km/h | 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	230.0 N @ 150 km/h | 51.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	120.7 lbf @ 150 km/h | 537.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	409 mm | 16.102 in
Depth, packed	299 mm | 11.772 in
Length, packed	1952 mm | 76.85 in
Net Weight, without mounting kit	19.8 kg | 43.651 lb
Weight, gross	32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

Included Products

BSAMNT-3	—	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

SAMSUNG

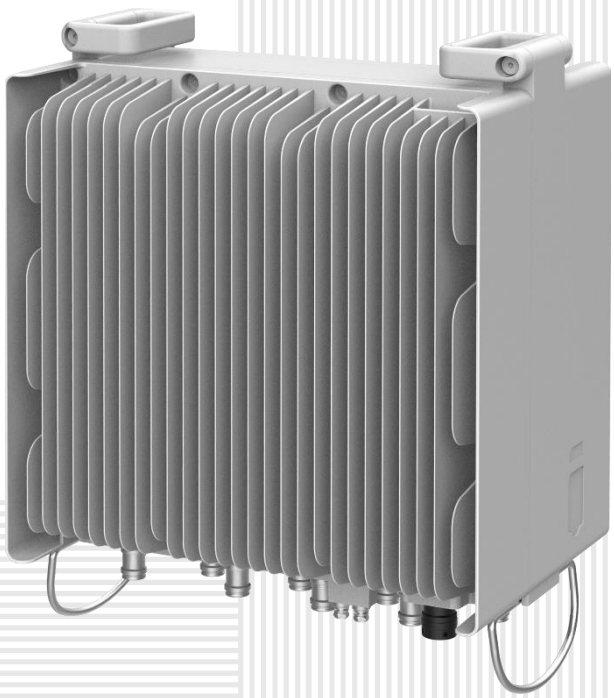
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

57196

Model Code	RF4439d-25A



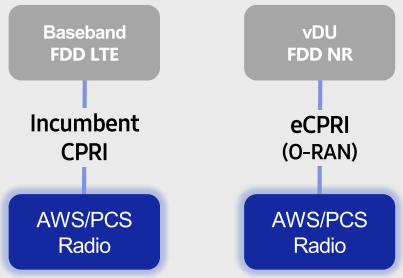
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

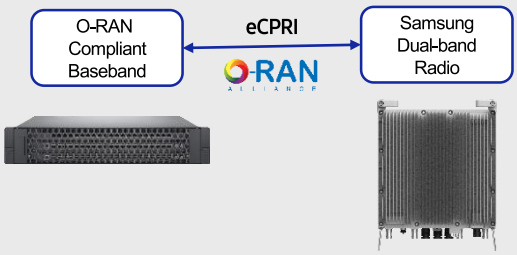
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

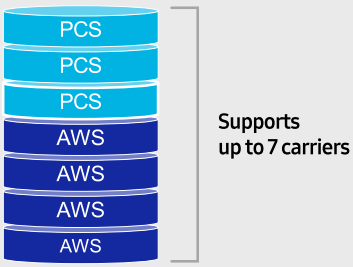
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

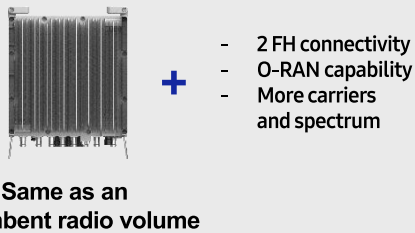
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4440d-13A

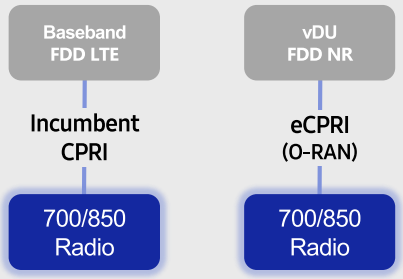
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

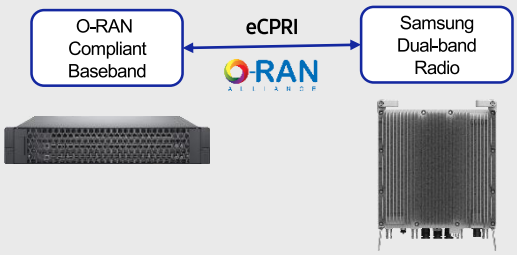
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments.

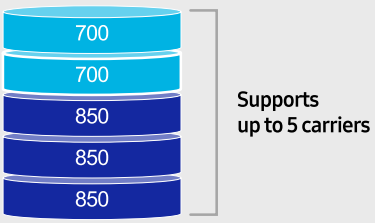
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

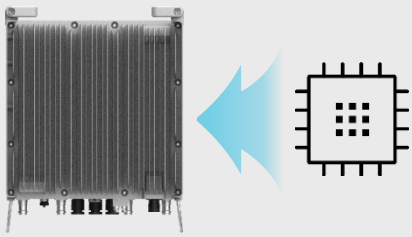
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

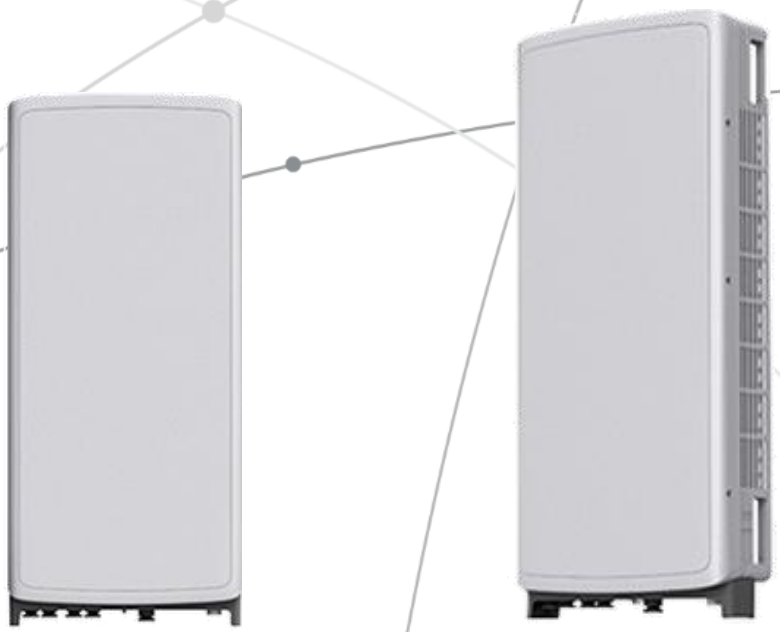
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

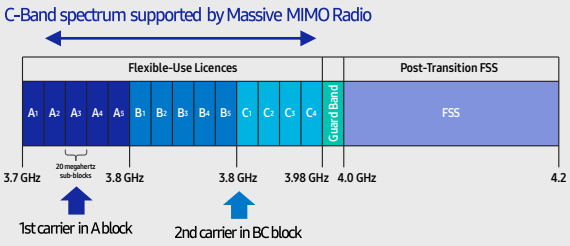


Points of Differentiation

Wide Bandwidth

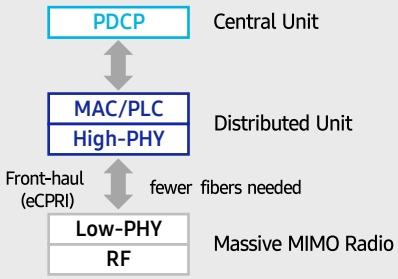
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

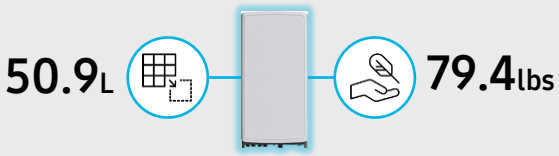
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

ATTACHMENT 3

	General	Power	Density					
Site Name: Montville 4								
Tower Height: Verizon @ 169ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*AT&T	2	649	180	700	0.0154	0.466666667	0.33%	
*AT&T	2	592	180	600	0.0141	0.4	0.35%	
*AT&T	1	1578	180	600	0.0187	0.4	0.47%	
*AT&T	2	2204	180	1900	0.0524	1	0.52%	
*AT&T	2	1102	180	1900	0.0262	1	0.26%	
*AT&T	2	2308	180	2100	0.0548	1	0.55%	
*AT&T	2	2057	180	1900	0.0489	1.0000	0.49%	
*AT&T	4	1028	180	1900	0.0488	1.0000	0.49%	
*AT&T	2	6412	180	2500	0.1523	1.0000	1.52%	
*AT&T	2	6412	180	2500	0.1523	1.0000	1.52%	
*Clearwire	6	286	120	2500	0.0474	1.0000	0.47%	
*Nextel	12	100	134	851	0.0263	0.5673	0.46%	
*Sprint	1	310	151	850	0.0053	0.5667	0.09%	
*Sprint	2	774	151	850	0.0265	0.5667	0.47%	
*Sprint	5	495	151	1900	0.0423	1.0000	0.42%	
*Sprint	2	1236	151	1900	0.0423	1.0000	0.42%	
*Sprint	8	778	151	2500	0.1065	1.0000	1.06%	
*T-Mobile	4	1102	190	1900	0.0468	1.0000	0.47%	
*T-Mobile	2	1102	190	1900	0.0234	1.0000	0.23%	
*T-Mobile	2	592	188	600	0.0129	0.4000	0.32%	
*T-Mobile	2	649	190	700	0.0138	0.4667	0.30%	
*T-Mobile	2	2334	190	2100	0.0496	1.0000	0.50%	
VZW 700	**4**	**688**	**169**	**751**	**0.0035**	**0.5007**	**0.69%**	
VZW CDMA	**2**	**261**	**169**	**874.8**	**0.0007**	**0.5832**	**0.11%**	
VZW Cellular	**4**	**691**	**169**	**874**	**0.0035**	**0.5827**	**0.60%**	
VZW PCS	**4**	**1500**	**169**	**1977.5**	**0.0076**	**1.0000**	**0.76%**	
VZW AWS	**4**	**1669**	**169**	**2120**	**0.0084**	**1.0000**	**0.84%**	
VZW CBAND	**4**	**6531**	**169**	**3730.08**	**0.0329**	**1.0000**	**3.29%**	
								18.02%
* Source: Siting Council								

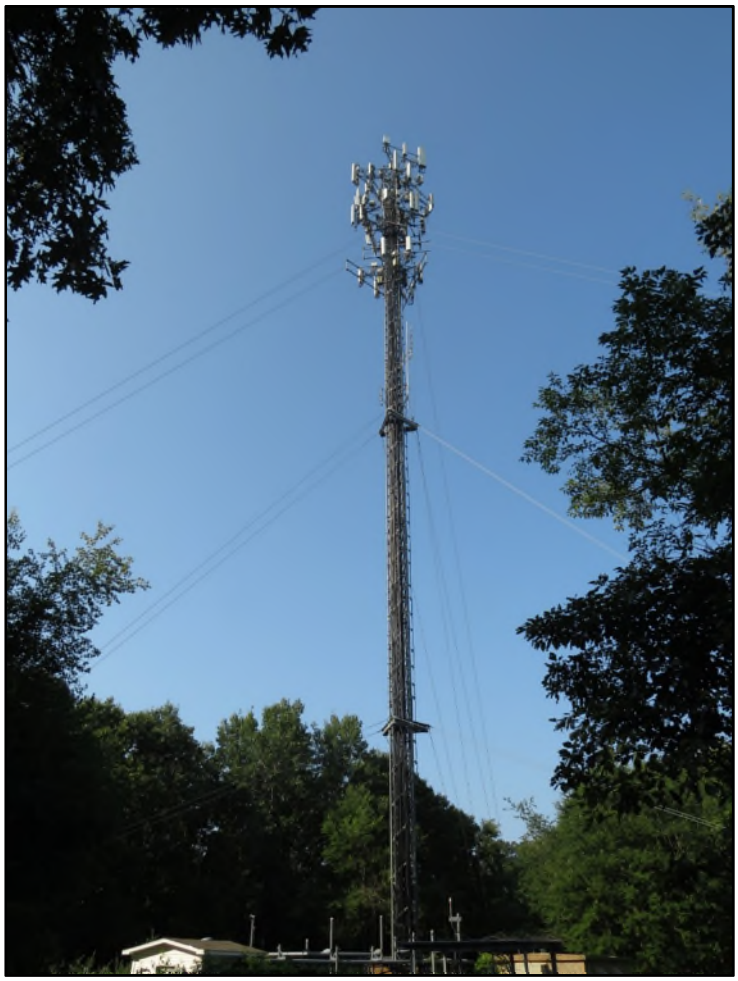
ATTACHMENT 4

ProTerra
DESIGN GROUP, LLC

Prepared For:

verizon

Verizon Wireless
118 Flanders Road – Third Floor
Westborough, MA 01581



Structure Rating:	
Guyed Tower:	**78.9% (Pass)**
Anchor Blocks:	**78.9% (Pass)**
Base Foundation:	**70.3% (Pass)**

Sincerely,

Ahmet Colakoglu, PE
Connecticut Professional Engineer
License No: 27057
EFI Global, Inc.
License No: PEC0001245
1117 Perimeter Center West, Suite E500
Atlanta, GA 30338
Tel: (470) 990-6593

Reviewed By:
ProTerra Design Group, LLC

Jesse Moreno, PE
Digitally signed by Jesse Moreno, PE
Date: 2021.10.01 09:48:44 -04'00'

Site Name: Montville 4 CT

57 Cook Drive
Montville, CT 06353

ProTerra Design Group, LLC
4 Bay Road, Building A, Suite 200
Hadley, MA 01035
Ph:(413) 320-4918
E: info@proterra-design.com

The purpose of this analysis is to evaluate the structural capacity of the 193 feet tall guyed tower located at 57 Cook Drive, Montville, CT 06353 for the addition and alterations proposed by Verizon.

The structural analysis is based on the following documentation provided to Proterra Design Group, LLC (Proterra):

Antenna Mount Analysis Report prepared by Maser Consulting, dated 8/10/2021.
RFDS provided by Verizon, dated 7/30/2021 Rev. 1.
Structural Analysis Report prepared by Centek Engineering, dated 7/14/2020.

The subject structure is a three-sided, 193' tall guyed tower with a 3'-5" face width. Pipe legs are braced along the length of the tower with pipe and single angle diagonals and horizontals. The tower is guyed at (3) different elevations: 162.5', 102.5', and 62.5' above grade level. The top level of guy wires is terminated at anchors approximately 140' away from the tower base. The bottom two levels of guy wires are terminated at anchors approximately 88' away from the tower base. Please refer to the software output in Appendix A for tower geometry, member sizes, and other details.

Existing Configuration of Verizon Appurtenances:

Rad Center (ft.)	Antennas & Equipment	Coax	Mounts
	(6) Andrew SBNHH-1D65B (6) Antel LPA-80080/4CF (3) Nokia UHBA B13 RRH 4x30 (3) Nokia UHFA B25 RRH 4x30 (3) Nokia UHIE B66A RRH 4x45 (2) Raycap OVP-6	(2) 6x12 Hybriflex	(3) Sector Mounts

Proposed and Final Configuration of Verizon Appurtenances:

Rad Center (ft.)	Antennas & Equipment	Coax	Mounts
	(6) Antel LPA-80080/4CF (6) Commscope NHH-65B-R2B (3) Samsung MT6407-77A (3) Samsung RF4439d-25A (3) Samsung RF4440d-13A (1) Raycap 12-OVP	(1) 12x24 Hybriflex	(3) Sector Mounts

Appurtenances by Others:

Rad Center (ft.)	Antennas & Equipment	Coax	Mounts
	(3) Ericsson AIR32 (3) Ericsson AIR6449 (3) Ericsson Radio 4449 (3) Ericsson Radio 4415	(6) 6x12	(3) Boom Gates
	(1) 20’ x 3” Omni		
	(1) 6’ x 3” Omni		
	(3) Powerwave 7770 (1) Quintel QS66512-2 (6) Triplexer (3) Radio 4426 B66	(2) Fiber (4) DC Power	(3) 12’ Boom Gates
	(1) 6’ 4-Bay Dipole		
			(3) 12’ Boom Gates
	(1) Decibel DB408 8-Bay Dipole	(1) 1-1/4”	(1) 3’ Standoff Mount
		(2) 1-5/8”	(2) 3.5’ Standoff Mounts
	(1) Folded Dipole	(1) 1-1/4”	(1) 6’ x 3” Pipe Mount
	(1) 2’ x 2” Omni		(1) 2’ Standoff Mount

The analysis has been performed in accordance with the TIA-222-G Standard, as referenced by the 2018 Connecticut State Building Code, based upon an ultimate wind speed of 135 mph (Risk Category II) converted to a nominal design wind speed of 105 mph per Section 1609.3.1 as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. The following loading criteria were used in this analysis:

Nominal Design wind speed 105 mph without ice (V)
Basic wind speed 50 mph concurrent with design ice thickness of 0.75" (V_i, t_i
Exposure Category B
Risk Category II, I = 1.0
Topographic Category 1

The following load combinations were used with wind blowing at 30° increments, measured from a line normal to the face of the tower:

g
g
g i i i

D: Dead load of structure and appurtenances, excluding guy assemblies
g: Dead load of guy assemblies
i: Weight of ice due to factored ice thickness
i: Load effects due to temperature
: Wind load without ice
i: Concurrent wind load with factored ice thickness

The analysis is based on the information provided to Proterra and is assumed to be current and correct. Unless otherwise noted, the structure is assumed to be in good condition, free of defects, and can achieve theoretical strength.

It is assumed that the structure has been maintained and shall be maintained during its service lifespan. The superstructure and the foundation system are assumed to be designed with proper engineering practice and fabricated, constructed and erected in accordance with the design documents. Proterra will accept no liability which may arise due to any existing deficiency in design, material, fabrication, erection, construction, etc. or lack of maintenance.

The analysis does not include a qualification of the antenna mounts attached on the structure or their connections. The analysis is performed to verify the capacity of the main structural members, which is the current practice in the tower industry.

The analysis results presented in this report are only applicable for the previously mentioned existing and proposed appurtenances. Any deviation of the appurtenances and placement, etc., will require Proterra to generate an additional structural analysis.

The tower was analyzed by utilizing tnxTower, a non-linear, three-dimensional, finite element-analysis software package, a product of Tower Numerics, Inc. Software output for this analysis is provided in Appendix A of this report.

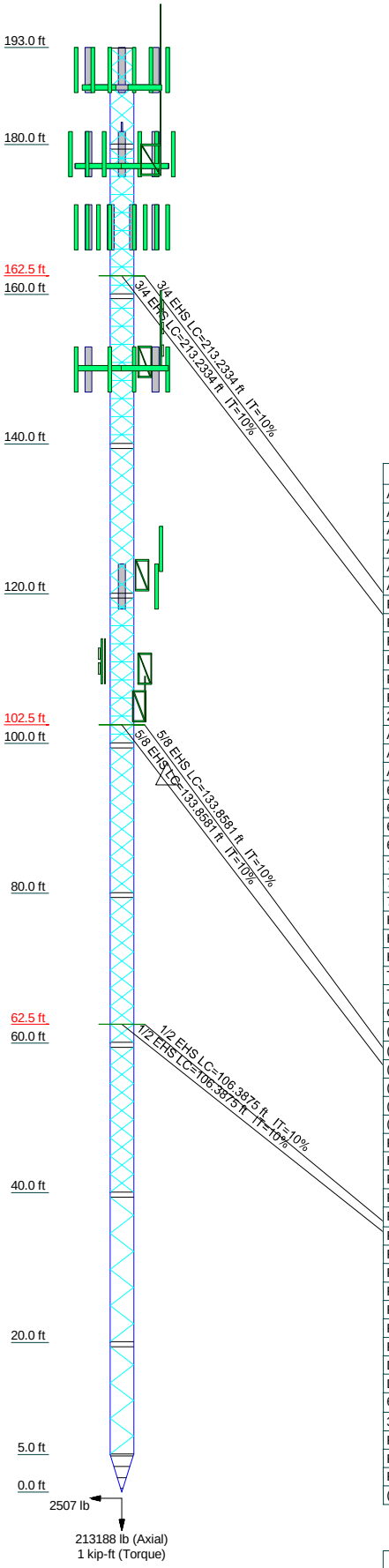
Based on a feasibility analysis per ANSI/TIA-222-G, the existing guyed tower has **adequate** structural capacity for the proposed changes by Verizon. For the code specified load combinations and as a maximum, the guy wires are stressed to of their structural capacity. The legs, diagonals, and horizontals are stressed to and of their structural capacities, respectively.

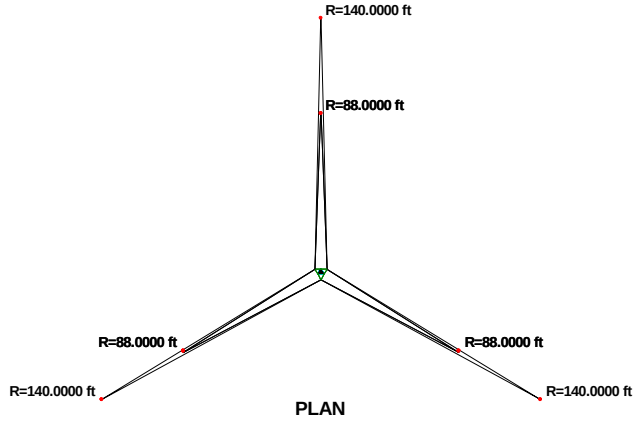
The tower foundations have **adequate** structural capacity for the proposed changes by Verizon. For the code specified load combinations and as a maximum, the outer anchor blocks are stressed to of their structural capacity. The base foundation and inner anchor blocks are stressed to and of their structural capacity, respectively.

Therefore, the additions and alterations proposed by Verizon **can** be implemented as intended and with the conditions outlined in this report

Should you have any questions about this report, please contact EFI at telecom@efiglobal.com

Section		T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
Legs		ROHN 2.5 EH	ROHN 2.5 EH - Upgrade - DestekBoston		ROHN 2.5 EH			ROHN 3 EH				
Leg Grade							A572-50					
Diagonals	L2x2x1/4				ROHN TS1.5x11 ga	L2x2x1/4	ROHN TS1.5x16 ga	L1 3/4x1 3/4x3/16	ROHN TS1.5x11 ga	ROHN TS1.5x16 ga	A	N.A.
Diagonal Grade	A36				A53-B-42	A36	A53-B-42	A36		A53-B-42	A	N.A.
Top Girts	L2x2x1/4				ROHN TS1.5x11 ga	L2x2x1/4	ROHN TS1.5x16 ga	ROHN TS1.5x11 ga	ROHN TS1.5x11 ga	ROHN TS1.5x16 ga	A	B
Mid Girts	N.A.										B	
Bottom Girts	ROHN TS1.5x11 ga	L2x2x1/4				L2x2x1/4	ROHN TS1.5x16 ga	ROHN TS1.5x11 ga		ROHN TS1.5x16 ga	A	B
Sec. Horizontals	L2x2x1/4	N.A.			N.A.	L2x2x1/4		N.A.				
Face Width (ft)	3.42						64 @ 2.41276					
# Panels @ (ft)	5 @ 2.56667										6 @ 2.38368	C
Weight (lb)	13228.6	786.9	2601.6	1547.5	855.3	2282.1	816.9	1592.4	1010.9	727.1	634.2	373.5





DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
AIR6449 B41_T-MOBILE	190	(2) LPA-80080/4CF w/ Mount Pipe	169
AIR6449 B41_T-MOBILE	190	(2) LPA-80080/4CF w/ Mount Pipe	169
AIR6449 B41_T-MOBILE	190	(2) NHH-65B-R2B_TIA w/ Mount Pipe	169
AIR 32 B2A B66AA_TIA	190	(2) NHH-65B-R2B_TIA w/ Mount Pipe	169
AIR 32 B2A B66AA_TIA	190	(2) NHH-65B-R2B_TIA w/ Mount Pipe	169
AIR 32 B2A B66AA_TIA	190	12 port OVP	169
RADIO 4449 B12/B71	190	MT6407-77A w/ Pipe Mount	169
RADIO 4449 B12/B71	190	MT6407-77A w/ Pipe Mount	169
RADIO 4449 B12/B71	190	MT6407-77A w/ Pipe Mount	169
RADIO 4415 B25_TMO	190	RF4439d-25A	169
RADIO 4415 B25_TMO	190	RF4439d-25A	169
RADIO 4415 B25_TMO	190	RF4439d-25A	169
20' x 3" Omni	188.75	RF4440d-13A	169
APXVAARR24_43-U-NA20_TIA	188	RF4440d-13A	169
APXVAARR24_43-U-NA20_TIA	188	RF4440d-13A	169
APXVAARR24_43-U-NA20_TIA	188	10.5'-P2x0.154 H	169
6' x 10' Boom Gate	188	10.5'-P2x0.154 H	169
6' x 10' Boom Gate	188	10.5'-P2x0.154 H	169
6' x 10' Boom Gate	188	Sector Mount [SM 502-3]	169
6' x 3" Omni	180	4 Bay Dipole	155.5
7770_TIA	178.75	3.5' Standoff Mount	151
7770_TIA	178.75	Rohn 6' x 15' Boom Gate	150.5
7770_TIA	178.75	Rohn 6' x 15' Boom Gate	150.5
HPA-65R-BUU-H8_TIA	178.75	Rohn 6' x 15' Boom Gate	150.5
HPA-65R-BUU-H8_TIA	178.75	TD-RRH8x20-25	150
HPA-65R-BUU-H8_TIA	178.75	TD-RRH8x20-25	150
TPA-65R-LCUUUU-H8_TIA	178.75	FD-RRH-2x50-800	150
TPA-65R-LCUUUU-H8_TIA	178.75	FD-RRH-2x50-800	150
QS66512-2_TIA	178.75	TD-RRH8x20-25	150
(2) TT19-08BP111-001	178.75	FD-RRH-2x50-800	150
(2) TT19-08BP111-001	178.75	FD-RRH-4x40-1900	150
(2) TT19-08BP111-001	178.75	APXV9ERR18-C-A20_TIA w/ Mount Pipe	150
(2) DBCT108F1V92-1	178.75	APXV9ERR18-C-A20_TIA w/ Mount Pipe	150
(2) DBCT108F1V92-1	178.75	APXV9ERR18-C-A20_TIA w/ Mount Pipe	150
(2) DBCT108F1V92-1	178.75	APXVTM14-ALU-I20_TIA w/ Mount Pipe	150
RRUS 11	178.75	APXVTM14-ALU-I20_TIA w/ Mount Pipe	150
RRUS 11	178.75	APXVTM14-ALU-I20_TIA w/ Mount Pipe	150
RRUS 11	178.75	FD-RRH-4x40-1900	150
RRUS 12	178.75	FD-RRH-4x40-1900	150
RRUS 12	178.75	DB408	126
RRUS 12	178.75	3' Standoff Mount	122.5
RRUS 32	178.75	PD220	121
RRUS 32	178.75	PD220	121
RRUS 32	178.75	Folded Dipole	111
RRUS 4426 B66	178.75	6' x 3" Pipe Mount	111
RRUS 4426 B66	178.75	3.5' Standoff Mount	110
RRUS 4426 B66	178.75	3.5' Standoff Mount	110
DC6-48-60-18-8F	178.75	2' x 2" Omni	106
DC6-48-60-18-8F	178.75	2' Standoff Mount	105
6' Standoff Mount	178		
3' Standoff Mount	178		
Rohn 6' x 15' Boom Gate	177.5		
Rohn 6' x 15' Boom Gate	177.5		
Rohn 6' x 15' Boom Gate	177.5		
(2) LPA-80080/4CF w/ Mount Pipe	169		

lb

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	ROHN TS1.5x11 ga	C	3 @ 1.44444
B	L3x3x1/2		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

EFI Global, Inc.
efi global 1117 Perimeter Center West, Suite 500
Atlanta, GA 30338
Phone: (470) 990-6593
FAX:

Job: ***Montville 4 CT***
Project: ***049.02209 - 2178005***
Client: Verizon Wireless | Drawn by: Patrick.Baxter | App'd:
Code: TIA-222-G | Date: 09/30/21 | Scale: NTS
Path: | Dwg No. E-1

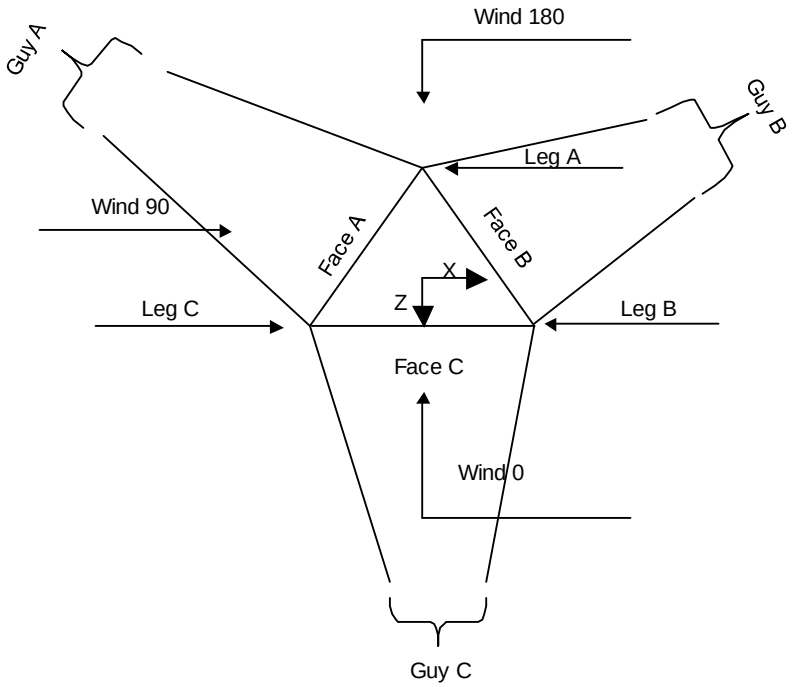
Tower Input Data

The main tower is a 3x guyed tower with an overall height of 193.0000 ft above the ground line.
The base of the tower is set at an elevation of 0.0000 ft above the ground line.
The face width of the tower is 3.42 ft at the top and tapered at the base.
This tower is designed using the TIA-222-G standard.
The following design criteria apply:

Tower is located in New London County, Connecticut.
Basic wind speed of 105 mph.
Structure Class II.
Exposure Category B.
Topographic Category 1.
Crest Height 0.0000 ft.
Nominal ice thickness of 0.7500 in.
Ice thickness is considered to increase with height.
Ice density of 56.00 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.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Safety factor used in guy design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned	√	Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area	√	SR Leg Bolts Resist Compression
√	Use Code Stress Ratios	√	Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys	√	Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients	√	Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-G Bracing Resist. Exemption
√	Include Bolts In Member Capacity	√	Autocalc Torque Arm Areas		Use TIA-222-G Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
√	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component		Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known



Face Guyed

Tower Section Geometry

Tower Section	*Tower Elevation*	*Assembly Database*	*Description*	*Section Width*	*Number of Sections*	*Section Length*
	ft			*ft*		*ft*
T1	193.0000-180.0000			3.42	1	13.0000
T2	180.0000-160.0000			3.42	1	20.0000
T3	160.0000-140.0000			3.42	1	20.0000
T4	140.0000-120.0000			3.42	1	20.0000
T5	120.0000-100.0000			3.42	1	20.0000
T6	100.0000-80.0000			3.42	1	20.0000
T7	80.0000-60.0000			3.42	1	20.0000
T8	60.0000-40.0000			3.42	1	20.0000
T9	40.0000-20.0000			3.42	1	20.0000
T10	20.0000-5.0000			3.42	1	15.0000

Tower Section	Tower Elevation ft	Assembly Database	Description	Section Width ft	Number of Sections	Section Length ft
T11	5.0000-0.0000			3.42	1	5.0000

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T1	193.0000-180.0000	2.57	X Brace	No	No	1.0000	1.0000
T2	180.0000-160.0000	2.41	X Brace	No	Yes	7.3750	1.0000
T3	160.0000-140.0000	2.41	X Brace	No	Yes	7.3750	1.0000
T4	140.0000-120.0000	2.41	CX Brace	No	No	7.3750	1.0000
T5	120.0000-100.0000	2.41	X Brace	No	Yes	7.3750	1.0000
T6	100.0000-80.0000	2.41	CX Brace	No	No	7.3750	1.0000
T7	80.0000-60.0000	2.41	X Brace	No	No	7.3750	1.0000
T8	60.0000-40.0000	2.41	CX Brace	No	No	7.3750	1.0000
T9	40.0000-20.0000	2.41	K Brace Left	No	No	7.3750	1.0000
T10	20.0000-5.0000	2.38	K Brace Left	No	No	7.3750	1.0000
T11	5.0000-0.0000	1.44	X Brace	No	Yes	2.0000	6.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 193.0000-180.0000	Pipe	ROHN 2.5 EH	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T2 180.0000-160.0000	Pipe	ROHN 2.5 EH - Upgrade - DestekBoston	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T3 160.0000-140.0000	Pipe	ROHN 2.5 EH - Upgrade - DestekBoston	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T4 140.0000-120.0000	Pipe	ROHN 2.5 EH	A572-50 (50 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T5 120.0000-100.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T6 100.0000-80.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)
T7 80.0000-60.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)
T8	Pipe	ROHN 3 EH	A572-50	Pipe	ROHN TS1.5x11 ga	A53-B-42

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
60.0000-40.0000			(50 ksi)			(42 ksi)
T9 40.0000-20.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)
T10 20.0000-5.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T11 5.0000-0.0000	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 193.0000-180.0000	Equal Angle	L2x2x1/4	A36 (36 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T2 180.0000-160.0000	Equal Angle	L2x2x1/4	A36 (36 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T3 160.0000-140.0000	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T4 140.0000-120.0000	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T5 120.0000-100.0000	Equal Angle	L2x2x1/4	A36 (36 ksi)	Equal Angle	L2x2x1/4	A36 (36 ksi)
T6 100.0000-80.0000	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)
T7 80.0000-60.0000	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T8 60.0000-40.0000	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T9 40.0000-20.0000	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x16 ga	A53-B-42 (42 ksi)
T10 20.0000-5.0000	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)	Pipe	ROHN TS1.5x11 ga	A53-B-42 (42 ksi)
T11 5.0000-0.0000	Equal Angle	L3x3x1/2	A36 (36 ksi)	Equal Angle	L3x3x1/2	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T11 5.0000-0.0000	2	Equal Angle	L3x3x1/2	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T2 180.0000-160.0000	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)
T3 160.0000-140.0000	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)
T5 120.0000-100.0000	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

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
T1 193.0000-180.0000	0.2800	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T2 180.0000-160.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T3 160.0000-140.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T4 140.0000-120.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T5 120.0000-100.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T6 100.0000-80.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T7 80.0000-60.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T8 60.0000-40.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T9 40.0000-20.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T10 20.0000-5.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T11 5.0000-0.0000	0.0700	0.3750	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 193.0000-180.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 180.0000-160.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 160.0000-140.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 140.0000-120.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 120.0000-100.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 100.0000-80.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 80.0000-60.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T8 60.0000-40.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 40.0000-20.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T10 20.0000-5.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T11 5.0000-0.0000	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

[1]*Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.*

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 193.0000-180.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T2 180.0000-160.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 160.0000-140.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 140.0000-120.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 120.0000-100.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.0000-80.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.0000-60.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.0000-40.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.0000-20.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.0000-5.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 5.0000-0.0000	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 193.0000-180.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 180.0000-160.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 160.0000-140.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 140.0000-120.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 120.0000-100.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.0000-80.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T7 80.0000-60.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.0000-40.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.0000-20.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.0000-5.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 5.0000-0.0000	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 193.0000-180.0000	Flange	0.7500 A325N	4	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T2 180.0000-160.0000	Flange	0.7500 A325N	4	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1
T3 160.0000-140.0000	Flange	0.7500 A325N	4	0.6250 A325X	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1
T4 140.0000-120.0000	Flange	0.7500 A325N	4	0.5000 A325N	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T5 120.0000-100.0000	Flange	0.7500 A325N	4	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1
T6 100.0000-80.0000	Flange	0.7500 A325N	4	0.5000 A490X	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T7 80.0000-60.0000	Flange	0.7500 A325N	4	0.6250 A325X	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T8 60.0000-40.0000	Flange	0.7500 A325N	4	0.5000 A325X	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T9 40.0000-20.0000	Flange	0.7500 A325N	4	0.6250 A490X	1	0.5000 A325N	1	0.5000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T10 20.0000-5.0000	Flange	0.7500 A325N	4	0.5000 A490X	1	0.5000 A325N	1	0.6250 A490X	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T11 5.0000-0.0000	Flange	0.7500 A325N	0	0.5000 A325N	0	0.5000 A325N	0	0.5000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0

Guy Data

Guy Elevation ft	Guy Grade		Guy Size	Initial Tension lb	%	Guy Modulus ksi	Guy Weight plf	L_u ft	Anchor Radius ft	Anchor Azimuth Adj. °	Anchor Elevation ft	End Fitting Efficiency %
162.496	EHS	A	3/4	5830.00	10%	19000.00	1.16	213.0420	140.0000	0.000	0.00	100%
		B	3/4	5830.00	10%	19000.00	1.16	213.0420	140.0000	0.000	0.00	100%
		C	3/4	5830.00	10%	19000.00	1.16	213.0420	140.0000	0.000	0.00	100%
102.496	EHS	A	5/8	4240.00	10%	21000.00	0.81	133.7438	88.0000	0.000	0.00	100%
		B	5/8	4240.00	10%	21000.00	0.81	133.7438	88.0000	0.000	0.00	100%
		C	5/8	4240.00	10%	21000.00	0.81	133.7438	88.0000	0.000	0.00	100%
62.4961	EHS	A	1/2	2690.00	10%	21000.00	0.52	106.2972	88.0000	0.000	0.00	100%
		B	1/2	2690.00	10%	21000.00	0.52	106.2972	88.0000	0.000	0.00	100%
		C	1/2	2690.00	10%	21000.00	0.52	106.2972	88.0000	0.000	0.00	100%

Guy Data*(cont'd)*

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
162.496	Torque Arm	6.8300	0.000	Channel	A36 (36 ksi)	Channel	C15x50
102.496	Torque Arm	6.8300	0.000	Channel	A36 (36 ksi)	Channel	C15x33.9
62.4961	Torque Arm	6.8300	0.000	Channel	A36 (36 ksi)	Channel	C12x25

Guy Data *(cont'd)*

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
162.4961	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
102.4961	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
62.4961	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	

Guy Data *(cont'd)*

Guy Elevation ft	Cable Weight A lb	Cable Weight B lb	Cable Weight C lb	Cable Weight D lb	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
162.496	246.06	246.06	246.06		4.4291 3.6 sec/pulse	4.4291 3.6 sec/pulse	4.4291 3.6 sec/pulse	
102.496	108.73	108.73	108.73		1.6997 2.3 sec/pulse	1.6997 2.3 sec/pulse	1.6997 2.3 sec/pulse	
62.4961	54.96	54.96	54.96		1.0803 1.8 sec/pulse	1.0803 1.8 sec/pulse	1.0803 1.8 sec/pulse	

Guy Data *(cont'd)*

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm K_x	Torque Arm K_y	Pull Off K_x	Pull Off K_y	Diagonal K_x	Diagonal K_y
162.496	No	No	1	1	1	1	1	1
102.496	No	No	1	1	1	1	1	1
62.4961	No	No	1	1	1	1	1	1

Guy Data *(cont'd)*

Guy Elevation ft	Torque-Arm Bolt Size in	Torque-Arm Number	Torque-Arm Net Width Deduct in	Torque-Arm U	Pull Off Bolt Size in	Pull Off Number	Pull Off Net Width Deduct in	Pull Off U	Diagonal Bolt Size in	Diagonal Number	Diagonal Net Width Deduct in	Diagonal U
162.496	0.8750 A325N	4	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
102.496	0.8750 A325N	4	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
62.4961	0.8750 A325N	4	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q_z ksf	q_z Ice ksf	Ice Thickness in
162.496	A	81.25	0.02	0.01	1.6414
	B	81.25	0.02	0.01	1.6414
	C	81.25	0.02	0.01	1.6414
102.496	A	51.25	0.02	0.00	1.5675
	B	51.25	0.02	0.00	1.5675
	C	51.25	0.02	0.00	1.5675
62.4961	A	31.25	0.02	0.00	1.4918

Guy Elevation ft	Guy Location	z ft	q_z ksf	q_z Ice ksf	Ice Thickness in
	B	31.25	0.02	0.00	1.4918
	C	31.25	0.02	0.00	1.4918

Guy-Mast Forces (Excluding Wind) - No Ice

Guy Elevation ft	Guy Location	Chord Angle °	Guy Tension Top / Bottom lb	F_x lb	F_y lb	F_z lb	M_x kip-ft	M_y kip-ft	M_z kip-ft
162.496	A	49.646	6017.51 5830.00	-94.86	4637.09	-3833.90	-9.14	13.28	-15.84
	A	49.646	6017.51 5830.00	94.86	4637.09	-3833.90	-9.14	-13.28	15.84
	B	49.646	6017.51 5830.00	3367.68	4637.09	1834.80	18.29	13.28	0.00
	B	49.646	6017.51 5830.00	3272.82	4637.09	1999.10	-9.14	-13.28	-15.84
	C	49.646	6017.51 5830.00	-3272.82	4637.09	1999.10	-9.14	13.28	15.84
	C	49.646	6017.51 5830.00	-3367.68	4637.09	1834.80	18.29	-13.28	0.00
			Sum:	0.00	27822.56	0.00	-0.00	0.00	0.00
102.496	A	49.970	4323.26 4240.00	-109.23	3332.80	-2751.55	-6.57	9.61	-11.38
	A	49.970	4323.26 4240.00	109.23	3332.80	-2751.55	-6.57	-9.61	11.38
	B	49.970	4323.26 4240.00	2437.53	3332.80	1281.18	13.14	9.61	0.00
	B	49.970	4323.26 4240.00	2328.30	3332.80	1470.37	-6.57	-9.61	-11.38
	C	49.970	4323.26 4240.00	-2328.30	3332.80	1470.37	-6.57	9.61	11.38
	C	49.970	4323.26 4240.00	-2437.53	3332.80	1281.18	13.14	-9.61	0.00
			Sum:	0.00	19996.82	0.00	-0.00	0.00	0.00
62.4961	A	35.975	2722.28 2690.00	-86.86	1617.15	-2188.18	-3.19	7.64	-5.52
	A	35.975	2722.28 2690.00	86.86	1617.15	-2188.18	-3.19	-7.64	5.52
	B	35.975	2722.28 2690.00	1938.45	1617.15	1018.86	6.38	7.64	0.00
	B	35.975	2722.28 2690.00	1851.58	1617.15	1169.31	-3.19	-7.64	-5.52
	C	35.975	2722.28 2690.00	-1851.58	1617.15	1169.31	-3.19	7.64	5.52
	C	35.975	2722.28 2690.00	-1938.45	1617.15	1018.86	6.38	-7.64	0.00
			Sum:	0.00	9702.89	0.00	-0.00	0.00	0.00

Guy-Mast Forces (Excluding Wind) - Ice

Guy Elevation	Guy Location	Chord Angle	Guy Tension Top / Bottom	F_x	F_y	F_z	M_x	M_y	M_z
ft		°	lb	lb	lb	lb	kip-ft	kip-ft	kip-ft
162.496	A	49.646	10198.07 9232.26	-155.33	8035.14	-6277.98	-15.84	21.75	-27.44
	A	49.646	10198.07 9232.26	155.33	8035.14	-6277.98	-15.84	-21.75	27.44
	B	49.646	10198.07 9232.26	5514.55	8035.14	3004.47	31.69	21.75	0.00
	B	49.646	10198.07 9232.26	5359.22	8035.14	3273.50	-15.84	-21.75	-27.44
	C	49.646	10198.07 9232.26	-5359.22	8035.14	3273.50	-15.84	21.75	27.44
	C	49.646	10198.07 9232.26	-5514.55	8035.14	3004.47	31.69	-21.75	0.00
			Sum:	0.00	48210.87	0.00	-0.00	0.00	0.00
102.496	A	49.970	6952.50 6439.34	-170.65	5461.37	-4299.02	-10.77	15.02	-18.65
	A	49.970	6952.50 6439.34	170.65	5461.37	-4299.02	-10.77	-15.02	18.65
	B	49.970	6952.50 6439.34	3808.39	5461.37	2001.72	21.54	15.02	0.00
	B	49.970	6952.50 6439.34	3637.73	5461.37	2297.30	-10.77	-15.02	-18.65
	C	49.970	6952.50 6439.34	-3637.73	5461.37	2297.30	-10.77	15.02	18.65
	C	49.970	6952.50 6439.34	-3808.39	5461.37	2001.72	21.54	-15.02	0.00
			Sum:	0.00	32768.24	0.00	-0.00	0.00	0.00
62.4961	A	35.975	4645.28 4386.37	-144.80	2872.50	-3647.79	-5.66	12.74	-9.81
	A	35.975	4645.28 4386.37	144.80	2872.50	-3647.79	-5.66	-12.74	9.81
	B	35.975	4645.28 4386.37	3231.48	2872.50	1698.49	11.33	12.74	0.00
	B	35.975	4645.28 4386.37	3086.68	2872.50	1949.30	-5.66	-12.74	-9.81
	C	35.975	4645.28 4386.37	-3086.68	2872.50	1949.30	-5.66	12.74	9.81
	C	35.975	4645.28 4386.37	-3231.48	2872.50	1698.49	11.33	-12.74	0.00
			Sum:	0.00	17235.02	0.00	-0.00	0.00	0.00

Guy-Mast Forces (Excluding Wind) - Service

Guy Elevation	Guy Location	Chord Angle	Guy Tension Top / Bottom	F_x	F_y	F_z	M_x	M_y	M_z
ft		°	lb	lb	lb	lb	kip-ft	kip-ft	kip-ft
162.496	A	49.646	6017.51 5830.00	-94.86	4637.09	-3833.90	-9.14	13.28	-15.84
	A	49.646	6017.51 5830.00	94.86	4637.09	-3833.90	-9.14	-13.28	15.84
	B	49.646	6017.51 5830.00	3367.68	4637.09	1834.80	18.29	13.28	0.00
	B	49.646	6017.51	3272.82	4637.09	1999.10	-9.14	-13.28	-15.84

Guy Elevation ft	Guy Location	Chord Angle °	Guy Tension Top / Bottom lb	F_x lb	F_y lb	F_z lb	M_x kip-ft	M_y kip-ft	M_z kip-ft
			5830.00						
	C	49.646	6017.51	-3272.82	4637.09	1999.10	-9.14	13.28	15.84
			5830.00						
	C	49.646	6017.51	-3367.68	4637.09	1834.80	18.29	-13.28	0.00
			5830.00						
			Sum:	0.00	27822.56	0.00	-0.00	0.00	0.00
102.496	A	49.970	4323.26	-109.23	3332.80	-2751.55	-6.57	9.61	-11.38
			4240.00						
	A	49.970	4323.26	109.23	3332.80	-2751.55	-6.57	-9.61	11.38
			4240.00						
	B	49.970	4323.26	2437.53	3332.80	1281.18	13.14	9.61	0.00
			4240.00						
	B	49.970	4323.26	2328.30	3332.80	1470.37	-6.57	-9.61	-11.38
			4240.00						
	C	49.970	4323.26	-2328.30	3332.80	1470.37	-6.57	9.61	11.38
			4240.00						
	C	49.970	4323.26	-2437.53	3332.80	1281.18	13.14	-9.61	0.00
			4240.00						
			Sum:	0.00	19996.82	0.00	-0.00	0.00	0.00
62.4961	A	35.975	2722.28	-86.86	1617.15	-2188.18	-3.19	7.64	-5.52
			2690.00						
	A	35.975	2722.28	86.86	1617.15	-2188.18	-3.19	-7.64	5.52
			2690.00						
	B	35.975	2722.28	1938.45	1617.15	1018.86	6.38	7.64	0.00
			2690.00						
	B	35.975	2722.28	1851.58	1617.15	1169.31	-3.19	-7.64	-5.52
			2690.00						
	C	35.975	2722.28	-1851.58	1617.15	1169.31	-3.19	7.64	5.52
			2690.00						
	C	35.975	2722.28	-1938.45	1617.15	1018.86	6.38	-7.64	0.00
			2690.00						
			Sum:	0.00	9702.89	0.00	-0.00	0.00	0.00

Guy-Tensioning Information

Guy Elevation ft		H ft	V ft	Temperature At Time Of Tensioning: 0 F Initial Tension lb	0 F Intercept ft	20 F Initial Tension lb	20 F Intercept ft	40 F Initial Tension lb	40 F Intercept ft	60 F Initial Tension lb	60 F Intercept ft	80 F Initial Tension lb	80 F Intercept ft	100 F Initial Tension lb	100 F Intercept ft	120 F Initial Tension lb	120 F Intercept ft
162.496	A	138.07	162.50	6824	3.79	6490	3.98	6159	4.20	5830	4.43	5505	4.69	5183	4.97	4867	5.29
	B	138.07	162.50	6824	3.79	6490	3.98	6159	4.20	5830	4.43	5505	4.69	5183	4.97	4867	5.29
	C	138.07	162.50	6824	3.79	6490	3.98	6159	4.20	5830	4.43	5505	4.69	5183	4.97	4867	5.29
102.496	A	86.10	102.50	5024	1.44	4762	1.51	4500	1.60	4240	1.70	3981	1.81	3724	1.93	3468	2.07
	B	86.10	102.50	5024	1.44	4762	1.51	4500	1.60	4240	1.70	3981	1.81	3724	1.93	3468	2.07
	C	86.10	102.50	5024	1.44	4762	1.51	4500	1.60	4240	1.70	3981	1.81	3724	1.93	3468	2.07
62.4961	A	86.10	62.50	3480	0.84	3215	0.90	2952	0.98	2690	1.08	2430	1.20	2173	1.34	1920	1.51
	B	86.10	62.50	3480	0.84	3215	0.90	2952	0.98	2690	1.08	2430	1.20	2173	1.34	1920	1.51
	C	86.10	62.50	3480	0.84	3215	0.90	2952	0.98	2690	1.08	2430	1.20	2173	1.34	1920	1.51

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
LDF5-50A(7/8")	B	No	No	Ar (CaAa)	179.0000 - 8.0000	3.0000	-0.25	1	1	1.0900	1.0900		0.33
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	152.0000 - 8.0000	0.0000	-0.4	1	1	1.5500	1.5500		0.66
LDF5-50A(7/8")	C	No	No	Ar (CaAa)	144.0000 - 8.0000	4.0000	-0.35	1	1	1.0900	1.0900		0.33
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	122.0000 - 8.0000	2.0000	-0.4	1	1	1.5500	1.5500		0.66
LDF7-50A(1-5/8")	C	No	No	Ar (CaAa)	110.0000 - 8.0000	2.0000	-0.3	2	1	1.9800	1.9800		0.82
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	108.0000 - 8.0000	4.0000	-0.4	1	1	1.5500	1.5500		0.66
LDF4-50A(1/2")	A	No	No	Ar (CaAa)	105.0000 - 8.0000	0.0000	-0.1	2	2	0.6300	0.6300		0.15
******													
*** TMO ***													
1-5/8" HYBRIFLEX	B	No	No	Ar (CaAa)	188.0000 - 8.0000	0.0000	0.1	3	3	1.0000	1.9800		1.90
1-5/8" HYBRIFLEX	B	No	No	Ar (CaAa)	188.0000 - 8.0000	0.0000	0.3	3	3	1.0000	1.9800		1.90
********													
*** ATT ***													
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	177.5000 - 8.0000	0.0000	0.1	12	6	1.5500	1.5500		0.66
RG6-Fiber	C	No	No	Ar (CaAa)	177.5000 - 8.0000	5.0000	0.2	2	1	0.5000	0.5000		1.00
#8 AWG Copper Wire	C	No	No	Ar (CaAa)	177.5000 - 8.0000	5.0000	0.3	4	2	0.2500	0.1285		0.05
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**** Sprint ****													
LDF7-50A(1-5/8")	A	No	No	Ar (CaAa)	150.0000 - 8.0000	2.5000	0.05	6	3	1.0000	1.9800		0.82
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** Verizon **													
LDF7-50A(1-5/8")	B	No	No	Ar (CaAa)	169.0000 - 8.0000	0.0000	-0.32	18	9	1.0000	1.9800		0.82
MLCH 12/24 LOW INDUCTION(2)	C	No	No	Ar (CaAa)	169.0000 - 0.0000	0.0000	-0.1	1	1	2.0160	2.0160		3.04

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C_AA_A ft^2/ft	Weight plf
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Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
T1	193.0000-180.000	A	0.000	0.000	0.000	0.000	0.00
	0	B	0.000	0.000	9.504	0.000	91.20
		C	0.000	0.000	0.000	0.000	0.00
T2	180.0000-160.000	A	0.000	0.000	0.000	0.000	0.00
	0	B	0.000	0.000	57.907	0.000	367.11
		C	0.000	0.000	37.014	0.000	204.46
T3	160.0000-140.000	A	0.000	0.000	11.880	0.000	49.20
	0	B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	46.556	0.000	272.44
T4	140.0000-120.000	A	0.000	0.000	23.760	0.000	98.40
	0	B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	49.850	0.000	284.32
T5	120.0000-100.000	A	0.000	0.000	24.390	0.000	99.90
	0	B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	57.840	0.000	317.88
T6	100.0000-80.0000	A	0.000	0.000	26.280	0.000	104.40
		B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	63.660	0.000	342.20
T7	80.0000-60.0000	A	0.000	0.000	26.280	0.000	104.40
		B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	63.660	0.000	342.20
T8	60.0000-40.0000	A	0.000	0.000	26.280	0.000	104.40
		B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	63.660	0.000	342.20
T9	40.0000-20.0000	A	0.000	0.000	26.280	0.000	104.40
		B	0.000	0.000	97.220	0.000	529.80
		C	0.000	0.000	63.660	0.000	342.20
T10	20.0000-5.0000	A	0.000	0.000	15.768	0.000	62.64
		B	0.000	0.000	58.332	0.000	317.88
		C	0.000	0.000	38.801	0.000	214.44
T11	5.0000-0.0000	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	1.008	0.000	15.20

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
T1	193.0000-180.000	A	1.784	0.000	0.000	0.000	0.000	0.00
	0	B		0.000	0.000	25.549	0.000	389.82
		C		0.000	0.000	0.000	0.000	0.00
T2	180.0000-160.000	A	1.767	0.000	0.000	0.000	0.000	0.00
	0	B		0.000	0.000	106.818	0.000	1879.28
		C		0.000	0.000	80.067	0.000	1495.19
T3	160.0000-140.000	A	1.745	0.000	0.000	17.769	0.000	328.02
	0	B		0.000	0.000	148.782	0.000	2825.22
		C		0.000	0.000	104.238	0.000	1916.82
T4	140.0000-120.000	A	1.720	0.000	0.000	35.364	0.000	649.28
	0	B		0.000	0.000	148.198	0.000	2797.62
		C		0.000	0.000	115.789	0.000	2068.77
T5	120.0000-100.000	A	1.692	0.000	0.000	39.307	0.000	676.29

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
	0	B		0.000	0.000	147.529	0.000	2766.04
		C		0.000	0.000	141.122	0.000	2397.70
T6	100.0000-80.0000	A	1.658	0.000	0.000	51.263	0.000	767.49
		B		0.000	0.000	146.739	0.000	2729.00
		C		0.000	0.000	158.895	0.000	2602.02
T7	80.0000-60.0000	A	1.617	0.000	0.000	50.687	0.000	751.74
		B		0.000	0.000	145.773	0.000	2683.96
		C		0.000	0.000	156.945	0.000	2538.92
T8	60.0000-40.0000	A	1.564	0.000	0.000	49.939	0.000	731.52
		B		0.000	0.000	144.518	0.000	2625.89
		C		0.000	0.000	154.410	0.000	2458.24
T9	40.0000-20.0000	A	1.486	0.000	0.000	48.850	0.000	702.60
		B		0.000	0.000	142.696	0.000	2542.38
		C		0.000	0.000	150.723	0.000	2343.59
T10	20.0000-5.0000	A	1.361	0.000	0.000	28.266	0.000	394.54
		B		0.000	0.000	83.872	0.000	1446.76
		C		0.000	0.000	88.320	0.000	1326.16
T11	5.0000-0.0000	A	1.159	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	2.167	0.000	37.68

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	193.0000-180.0000	2.0402	0.1317	1.1081	0.0719
T2	180.0000-160.0000	1.3831	-1.7500	0.4698	0.0669
T3	160.0000-140.0000	1.2117	-4.3490	0.5352	-0.5934
T4	140.0000-120.0000	1.0908	-4.9597	1.1271	-0.9996
T5	120.0000-100.0000	1.2973	-3.3962	0.8667	-0.0274
T6	100.0000-80.0000	1.7388	-3.2197	1.7777	0.5215
T7	80.0000-60.0000	1.5850	-3.0345	1.6926	0.4765
T8	60.0000-40.0000	1.7388	-3.2197	1.8110	0.4602
T9	40.0000-20.0000	1.8171	-3.3528	2.2452	0.4860
T10	20.0000-5.0000	1.7182	-3.0751	2.0887	0.4144
T11	5.0000-0.0000	0.1421	0.9473	0.0933	0.6044

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	10	1-5/8" HYBRIFLEX	180.00 - 188.00	0.6000	0.3011
T1	11	1-5/8" HYBRIFLEX	180.00 - 188.00	0.6000	0.3011
T2	1	LDF5-50A(7/8")	160.00 - 179.00	0.6000	0.1783
T2	10	1-5/8" HYBRIFLEX	160.00 - 180.00	0.6000	0.1783
T2	11	1-5/8" HYBRIFLEX	160.00 -	0.6000	0.1783

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			180.00		
T2	14	LDF6-50A(1-1/4")	160.00 - 177.50	0.6000	0.1783
T2	15	RG6-Fiber	160.00 - 177.50	0.6000	0.1783
T2	16	#8 AWG Copper Wire	160.00 - 177.50	0.6000	0.1783
T2	22	LDF7-50A(1-5/8")	160.00 - 169.00	0.6000	0.1783
T2	24	MLCH 12/24 LOW INDUCTION(2)	160.00 - 169.00	0.6000	0.1783
T3	1	LDF5-50A(7/8")	140.00 - 160.00	0.6000	0.1872
T3	2	LDF6-50A(1-1/4")	140.00 - 152.00	0.6000	0.1872
T3	3	LDF5-50A(7/8")	140.00 - 144.00	0.6000	0.1872
T3	10	1-5/8" HYBRIFLEX	140.00 - 160.00	0.6000	0.1872
T3	11	1-5/8" HYBRIFLEX	140.00 - 160.00	0.6000	0.1872
T3	14	LDF6-50A(1-1/4")	140.00 - 160.00	0.6000	0.1872
T3	15	RG6-Fiber	140.00 - 160.00	0.6000	0.1872
T3	16	#8 AWG Copper Wire	140.00 - 160.00	0.6000	0.1872
T3	19	LDF7-50A(1-5/8")	140.00 - 150.00	0.6000	0.1872
T3	22	LDF7-50A(1-5/8")	140.00 - 160.00	0.6000	0.1872
T3	24	MLCH 12/24 LOW INDUCTION(2)	140.00 - 160.00	0.6000	0.1872
T4	1	LDF5-50A(7/8")	120.00 - 140.00	0.6000	0.3724
T4	2	LDF6-50A(1-1/4")	120.00 - 140.00	0.6000	0.3724
T4	3	LDF5-50A(7/8")	120.00 - 140.00	0.6000	0.3724
T4	4	LDF6-50A(1-1/4")	120.00 - 122.00	0.6000	0.3724
T4	10	1-5/8" HYBRIFLEX	120.00 - 140.00	0.6000	0.3724
T4	11	1-5/8" HYBRIFLEX	120.00 - 140.00	0.6000	0.3724
T4	14	LDF6-50A(1-1/4")	120.00 - 140.00	0.6000	0.3724
T4	15	RG6-Fiber	120.00 - 140.00	0.6000	0.3724
T4	16	#8 AWG Copper Wire	120.00 - 140.00	0.6000	0.3724
T4	19	LDF7-50A(1-5/8")	120.00 - 140.00	0.6000	0.3724
T4	22	LDF7-50A(1-5/8")	120.00 - 140.00	0.6000	0.3724
T4	24	MLCH 12/24 LOW INDUCTION(2)	120.00 - 140.00	0.6000	0.3724
T5	1	LDF5-50A(7/8")	100.00 - 120.00	0.6000	0.1902
T5	2	LDF6-50A(1-1/4")	100.00 - 120.00	0.6000	0.1902
T5	3	LDF5-50A(7/8")	100.00 -	0.6000	0.1902

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			120.00		
T5	4	LDF6-50A(1-1/4")	100.00 - 120.00	0.6000	0.1902
T5	5	LDF7-50A(1-5/8")	100.00 - 110.00	0.6000	0.1902
T5	6	LDF6-50A(1-1/4")	100.00 - 108.00	0.6000	0.1902
T5	7	LDF4-50A(1/2")	100.00 - 105.00	0.6000	0.1902
T5	10	1-5/8" HYBRIFLEX	100.00 - 120.00	0.6000	0.1902
T5	11	1-5/8" HYBRIFLEX	100.00 - 120.00	0.6000	0.1902
T5	14	LDF6-50A(1-1/4")	100.00 - 120.00	0.6000	0.1902
T5	15	RG6-Fiber	100.00 - 120.00	0.6000	0.1902
T5	16	#8 AWG Copper Wire	100.00 - 120.00	0.6000	0.1902
T5	19	LDF7-50A(1-5/8")	100.00 - 120.00	0.6000	0.1902
T5	22	LDF7-50A(1-5/8")	100.00 - 120.00	0.6000	0.1902
T5	24	MLCH 12/24 LOW INDUCTION(2)	100.00 - 120.00	0.6000	0.1902
T6	1	LDF5-50A(7/8")	80.00 - 100.00	0.6000	0.3727
T6	2	LDF6-50A(1-1/4")	80.00 - 100.00	0.6000	0.3727
T6	3	LDF5-50A(7/8")	80.00 - 100.00	0.6000	0.3727
T6	4	LDF6-50A(1-1/4")	80.00 - 100.00	0.6000	0.3727
T6	5	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.3727
T6	6	LDF6-50A(1-1/4")	80.00 - 100.00	0.6000	0.3727
T6	7	LDF4-50A(1/2")	80.00 - 100.00	0.6000	0.3727
T6	10	1-5/8" HYBRIFLEX	80.00 - 100.00	0.6000	0.3727
T6	11	1-5/8" HYBRIFLEX	80.00 - 100.00	0.6000	0.3727
T6	14	LDF6-50A(1-1/4")	80.00 - 100.00	0.6000	0.3727
T6	15	RG6-Fiber	80.00 - 100.00	0.6000	0.3727
T6	16	#8 AWG Copper Wire	80.00 - 100.00	0.6000	0.3727
T6	19	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.3727
T6	22	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.3727
T6	24	MLCH 12/24 LOW INDUCTION(2)	80.00 - 100.00	0.6000	0.3727
T7	1	LDF5-50A(7/8")	60.00 - 80.00	0.6000	0.3649
T7	2	LDF6-50A(1-1/4")	60.00 - 80.00	0.6000	0.3649
T7	3	LDF5-50A(7/8")	60.00 - 80.00	0.6000	0.3649
T7	4	LDF6-50A(1-1/4")	60.00 - 80.00	0.6000	0.3649
T7	5	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.3649
T7	6	LDF6-50A(1-1/4")	60.00 - 80.00	0.6000	0.3649
T7	7	LDF4-50A(1/2")	60.00 - 80.00	0.6000	0.3649
T7	10	1-5/8" HYBRIFLEX	60.00 - 80.00	0.6000	0.3649
T7	11	1-5/8" HYBRIFLEX	60.00 - 80.00	0.6000	0.3649
T7	14	LDF6-50A(1-1/4")	60.00 - 80.00	0.6000	0.3649
T7	15	RG6-Fiber	60.00 - 80.00	0.6000	0.3649
T7	16	#8 AWG Copper Wire	60.00 - 80.00	0.6000	0.3649
T7	19	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.3649
T7	22	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.3649
T7	24	MLCH 12/24 LOW INDUCTION(2)	60.00 - 80.00	0.6000	0.3649
T8	1	LDF5-50A(7/8")	40.00 - 60.00	0.6000	0.3916
T8	2	LDF6-50A(1-1/4")	40.00 - 60.00	0.6000	0.3916
T8	3	LDF5-50A(7/8")	40.00 - 60.00	0.6000	0.3916
T8	4	LDF6-50A(1-1/4")	40.00 - 60.00	0.6000	0.3916
T8	5	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.3916

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T8	6	LDF6-50A(1-1/4")	40.00 - 60.00	0.6000	0.3916
T8	7	LDF4-50A(1/2")	40.00 - 60.00	0.6000	0.3916
T8	10	1-5/8" HYBRIFLEX	40.00 - 60.00	0.6000	0.3916
T8	11	1-5/8" HYBRIFLEX	40.00 - 60.00	0.6000	0.3916
T8	14	LDF6-50A(1-1/4")	40.00 - 60.00	0.6000	0.3916
T8	15	RG6-Fiber	40.00 - 60.00	0.6000	0.3916
T8	16	#8 AWG Copper Wire	40.00 - 60.00	0.6000	0.3916
T8	19	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.3916
T8	22	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.3916
T8	24	MLCH 12/24 LOW INDUCTION(2)	40.00 - 60.00	0.6000	0.3916
T9	1	LDF5-50A(7/8")	20.00 - 40.00	0.6000	0.5515
T9	2	LDF6-50A(1-1/4")	20.00 - 40.00	0.6000	0.5515
T9	3	LDF5-50A(7/8")	20.00 - 40.00	0.6000	0.5515
T9	4	LDF6-50A(1-1/4")	20.00 - 40.00	0.6000	0.5515
T9	5	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.5515
T9	6	LDF6-50A(1-1/4")	20.00 - 40.00	0.6000	0.5515
T9	7	LDF4-50A(1/2")	20.00 - 40.00	0.6000	0.5515
T9	10	1-5/8" HYBRIFLEX	20.00 - 40.00	0.6000	0.5515
T9	11	1-5/8" HYBRIFLEX	20.00 - 40.00	0.6000	0.5515
T9	14	LDF6-50A(1-1/4")	20.00 - 40.00	0.6000	0.5515
T9	15	RG6-Fiber	20.00 - 40.00	0.6000	0.5515
T9	16	#8 AWG Copper Wire	20.00 - 40.00	0.6000	0.5515
T9	19	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.5515
T9	22	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.5515
T9	24	MLCH 12/24 LOW INDUCTION(2)	20.00 - 40.00	0.6000	0.5515
T10	1	LDF5-50A(7/8")	8.00 - 20.00	0.6000	0.5599
T10	2	LDF6-50A(1-1/4")	8.00 - 20.00	0.6000	0.5599
T10	3	LDF5-50A(7/8")	8.00 - 20.00	0.6000	0.5599
T10	4	LDF6-50A(1-1/4")	8.00 - 20.00	0.6000	0.5599
T10	5	LDF7-50A(1-5/8")	8.00 - 20.00	0.6000	0.5599
T10	6	LDF6-50A(1-1/4")	8.00 - 20.00	0.6000	0.5599
T10	7	LDF4-50A(1/2")	8.00 - 20.00	0.6000	0.5599
T10	10	1-5/8" HYBRIFLEX	8.00 - 20.00	0.6000	0.5599
T10	11	1-5/8" HYBRIFLEX	8.00 - 20.00	0.6000	0.5599
T10	14	LDF6-50A(1-1/4")	8.00 - 20.00	0.6000	0.5599
T10	15	RG6-Fiber	8.00 - 20.00	0.6000	0.5599
T10	16	#8 AWG Copper Wire	8.00 - 20.00	0.6000	0.5599
T10	19	LDF7-50A(1-5/8")	8.00 - 20.00	0.6000	0.5599
T10	22	LDF7-50A(1-5/8")	8.00 - 20.00	0.6000	0.5599
T10	24	MLCH 12/24 LOW INDUCTION(2)	5.00 - 20.00	0.6000	0.5599
T11	24	MLCH 12/24 LOW INDUCTION(2)	0.00 - 5.00	0.5305	0.2710

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral / Vert	Azimuth Adjustment	Placement	C_AA_A Front	C_AA_A Side	Weight
			ft / ft / ft	°	ft	ft^2	ft^2	lb

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
20' x 3" Omni	B	From Leg	4.7500 0.00 0.00	0.000	188.7500	No Ice 1/2" Ice 1" Ice	6.0000 8.0333 10.0833	6.0000 8.0333 10.0833	50.00 93.17 149.01
6' Standoff Mount	B	From Leg	3.0000 0.00 0.00	0.000	178.0000	No Ice 1/2" Ice 1" Ice	4.8000 6.4000 8.0000	4.8000 6.4000 8.0000	100.00 140.00 180.00
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6' x 3" Omni	A	From Leg	4.7500 0.00 0.00	0.000	180.0000	No Ice 1/2" Ice 1" Ice	1.7667 2.1292 2.5009	1.7667 2.1292 2.5009	20.00 33.24 50.59
3' Standoff Mount	A	From Leg	1.5000 0.00 0.00	0.000	178.0000	No Ice 1/2" Ice 1" Ice	2.4000 3.2000 4.0000	2.4000 3.2000 4.0000	50.00 70.00 90.00
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4 Bay Dipole	B	From Leg	4.7500 0.00 0.00	0.000	155.5000	No Ice 1/2" Ice 1" Ice	1.6500 2.6250 3.6000	1.6500 2.6250 3.6000	20.00 35.00 50.00
3.5' Standoff Mount	B	From Leg	2.0000 0.00 0.00	0.000	151.0000	No Ice 1/2" Ice 1" Ice	2.4000 3.2000 4.0000	2.4000 3.2000 4.0000	50.00 70.00 90.00
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DB408	B	From Leg	4.7500 0.00 0.00	0.000	126.0000	No Ice 1/2" Ice 1" Ice	1.9000 3.4200 4.9400	1.9000 3.4200 4.9400	17.00 22.10 27.20
3' Standoff Mount	B	From Leg	1.5000 0.00 0.00	0.000	122.5000	No Ice 1/2" Ice 1" Ice	3.0000 4.0000 5.0000	3.0000 4.0000 5.0000	50.00 70.00 90.00
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PD220	A	From Leg	4.0000 0.00 0.00	0.000	121.0000	No Ice 1/2" Ice 1" Ice	3.0800 5.3000 7.5367	3.0800 5.3000 7.5367	23.00 48.68 88.10
3.5' Standoff Mount	A	From Leg	2.0000 0.00 0.00	0.000	110.0000	No Ice 1/2" Ice 1" Ice	2.4000 3.2000 4.0000	2.4000 3.2000 4.0000	50.00 70.00 90.00
PD220	B	From Leg	4.0000 0.00 0.00	0.000	121.0000	No Ice 1/2" Ice 1" Ice	3.0800 5.3000 7.5367	3.0800 5.3000 7.5367	23.00 48.68 88.10
3.5' Standoff Mount	B	From Leg	2.0000 0.00 0.00	0.000	110.0000	No Ice 1/2" Ice 1" Ice	2.4000 3.2000 4.0000	2.4000 3.2000 4.0000	50.00 70.00 90.00
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Folded Dipole	C	From Leg	1.5000 0.00 0.00	0.000	111.0000	No Ice 1/2" Ice 1" Ice	1.2000 2.4000 3.6000	1.2000 2.4000 3.6000	30.00 40.00 50.00
6' x 3" Pipe Mount	C	From Leg	1.0000 0.00 0.00	0.000	111.0000	No Ice 1/2" Ice 1" Ice	1.7700 2.1350 2.5000	1.7700 2.1350 2.5000	30.00 50.00 70.00
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2' x 2" Omni	B	From Leg	2.0000 0.00 0.00	0.000	106.0000	No Ice 1/2" Ice 1" Ice	0.3037 0.4321 0.5698	0.3037 0.4321 0.5698	20.00 23.28 28.14
2' Standoff Mount	B	From Leg	1.0000 0.00 0.00	0.000	105.0000	No Ice 1/2" Ice 1" Ice	0.6000 0.8000 1.0000	0.6000 0.8000 1.0000	10.00 20.00 30.00
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*** TMO ***									
AIR6449 B41_T-MOBILE	A	From Leg	3.0000	0.000	190.0000	No Ice	5.2700	2.0300	114.63

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
			0.00			1/2" Ice	5.7000	2.3600	153.52
			0.00			1" Ice	6.1400	2.7000	196.64
AIR6449 B41_T-MOBILE	B	From Leg	3.0000	0.000	190.0000	No Ice	5.2700	2.0300	114.63
			0.00			1/2" Ice	5.7000	2.3600	153.52
			0.00			1" Ice	6.1400	2.7000	196.64
AIR6449 B41_T-MOBILE	C	From Leg	3.0000	0.000	190.0000	No Ice	5.2700	2.0300	114.63
			0.00			1/2" Ice	5.7000	2.3600	153.52
			0.00			1" Ice	6.1400	2.7000	196.64
AIR 32 B2A B66AA_TIA	A	From Leg	3.0000	0.000	190.0000	No Ice	6.8497	4.9635	172.00
			0.00			1/2" Ice	7.2411	5.3337	219.60
			0.00			1" Ice	7.6396	5.7109	272.64
AIR 32 B2A B66AA_TIA	B	From Leg	3.0000	0.000	190.0000	No Ice	6.8497	4.9635	172.00
			0.00			1/2" Ice	7.2411	5.3337	219.60
			0.00			1" Ice	7.6396	5.7109	272.64
AIR 32 B2A B66AA_TIA	C	From Leg	3.0000	0.000	190.0000	No Ice	6.8497	4.9635	172.00
			0.00			1/2" Ice	7.2411	5.3337	219.60
			0.00			1" Ice	7.6396	5.7109	272.64
APXVAARR24_43-U-NA20 _TIA	A	From Leg	3.0000	0.000	188.0000	No Ice	20.2426	8.8885	153.30
			0.00			1/2" Ice	20.8900	9.4868	265.89
			0.00			1" Ice	21.5444	10.0925	387.02
APXVAARR24_43-U-NA20 _TIA	B	From Leg	3.0000	0.000	188.0000	No Ice	20.2426	8.8885	153.30
			0.00			1/2" Ice	20.8900	9.4868	265.89
			0.00			1" Ice	21.5444	10.0925	387.02
APXVAARR24_43-U-NA20 _TIA	C	From Leg	3.0000	0.000	188.0000	No Ice	20.2426	8.8885	153.30
			0.00			1/2" Ice	20.8900	9.4868	265.89
			0.00			1" Ice	21.5444	10.0925	387.02
RADIO 4449 B12/B71	A	From Leg	3.0000	0.000	190.0000	No Ice	1.6500	1.1625	74.00
			0.00			1/2" Ice	1.8104	1.3012	90.16
			0.00			1" Ice	1.9781	1.4473	108.95
RADIO 4449 B12/B71	B	From Leg	3.0000	0.000	190.0000	No Ice	1.6500	1.1625	74.00
			0.00			1/2" Ice	1.8104	1.3012	90.16
			0.00			1" Ice	1.9781	1.4473	108.95
RADIO 4449 B12/B71	C	From Leg	3.0000	0.000	190.0000	No Ice	1.6500	1.1625	74.00
			0.00			1/2" Ice	1.8104	1.3012	90.16
			0.00			1" Ice	1.9781	1.4473	108.95
RADIO 4415 B25_TMO	A	From Leg	3.0000	0.000	190.0000	No Ice	1.8563	0.8701	47.40
			0.00			1/2" Ice	2.0266	0.9966	61.95
			0.00			1" Ice	2.2044	1.1344	79.05
RADIO 4415 B25_TMO	B	From Leg	3.0000	0.000	190.0000	No Ice	1.8563	0.8701	47.40
			0.00			1/2" Ice	2.0266	0.9966	61.95
			0.00			1" Ice	2.2044	1.1344	79.05
RADIO 4415 B25_TMO	C	From Leg	3.0000	0.000	190.0000	No Ice	1.8563	0.8701	47.40
			0.00			1/2" Ice	2.0266	0.9966	61.95
			0.00			1" Ice	2.2044	1.1344	79.05
6' x 10' Boom Gate	A	From Leg	2.0000	0.000	188.0000	No Ice	14.0000	9.0000	510.00
			0.00			1/2" Ice	20.0000	12.0000	720.00
			0.00			1" Ice	26.0000	15.0000	930.00
6' x 10' Boom Gate	B	From Leg	2.0000	0.000	188.0000	No Ice	14.0000	9.0000	510.00
			0.00			1/2" Ice	20.0000	12.0000	720.00
			0.00			1" Ice	26.0000	15.0000	930.00
6' x 10' Boom Gate	C	From Leg	2.0000	0.000	188.0000	No Ice	14.0000	9.0000	510.00
			0.00			1/2" Ice	20.0000	12.0000	720.00
			0.00			1" Ice	26.0000	15.0000	930.00
********** *** ATT *** 7770_TIA	A	From Leg	4.0000	0.000	178.7500	No Ice	5.5085	2.9282	35.00
			0.00			1/2" Ice	5.8673	3.2730	67.63

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
			0.00			1" Ice	6.2332	3.6252	105.06
7770_TIA	B	From Leg	4.0000	0.000	178.7500	No Ice	5.5085	2.9282	35.00
			0.00			1/2" Ice	5.8673	3.2730	67.63
			0.00			1" Ice	6.2332	3.6252	105.06
7770_TIA	C	From Leg	4.0000	0.000	178.7500	No Ice	5.5085	2.9282	35.00
			0.00			1/2" Ice	5.8673	3.2730	67.63
			0.00			1" Ice	6.2332	3.6252	105.06
HPA-65R-BUU-H8_TIA	A	From Leg	4.0000	0.000	178.7500	No Ice	12.9759	7.5161	73.00
			0.00			1/2" Ice	13.5579	8.0873	146.77
			0.00			1" Ice	14.1468	8.6660	228.17
HPA-65R-BUU-H8_TIA	B	From Leg	4.0000	0.000	178.7500	No Ice	12.9759	7.5161	73.00
			0.00			1/2" Ice	13.5579	8.0873	146.77
			0.00			1" Ice	14.1468	8.6660	228.17
HPA-65R-BUU-H8_TIA	C	From Leg	4.0000	0.000	178.7500	No Ice	12.9759	7.5161	73.00
			0.00			1/2" Ice	13.5579	8.0873	146.77
			0.00			1" Ice	14.1468	8.6660	228.17
TPA-65R-LCUUUU-H8_TIA	A	From Leg	4.0000	0.000	178.7500	No Ice	13.2978	8.8222	81.60
			0.00			1/2" Ice	13.8973	9.4205	161.06
			0.00			1" Ice	14.5039	10.0262	248.42
TPA-65R-LCUUUU-H8_TIA	B	From Leg	4.0000	0.000	178.7500	No Ice	13.2978	8.8222	81.60
			0.00			1/2" Ice	13.8973	9.4205	161.06
			0.00			1" Ice	14.5039	10.0262	248.42
QS66512-2_TIA	C	From Leg	4.0000	0.000	178.7500	No Ice	8.1333	6.8000	111.00
			0.00			1/2" Ice	8.5899	7.2667	168.20
			0.00			1" Ice	9.0535	7.7226	231.66
(2) TT19-08BP111-001	A	From Leg	4.0000	0.000	178.7500	No Ice	0.5453	0.4420	16.00
			0.00			1/2" Ice	0.6406	0.5303	21.74
			0.00			1" Ice	0.7433	0.6260	29.10
(2) TT19-08BP111-001	B	From Leg	4.0000	0.000	178.7500	No Ice	0.5453	0.4420	16.00
			0.00			1/2" Ice	0.6406	0.5303	21.74
			0.00			1" Ice	0.7433	0.6260	29.10
(2) TT19-08BP111-001	C	From Leg	4.0000	0.000	178.7500	No Ice	0.5453	0.4420	16.00
			0.00			1/2" Ice	0.6406	0.5303	21.74
			0.00			1" Ice	0.7433	0.6260	29.10
(2) DBCT108F1V92-1	A	From Leg	4.0000	0.000	178.7500	No Ice	0.6372	0.6042	28.66
			0.00			1/2" Ice	0.7401	0.7050	35.88
			0.00			1" Ice	0.8504	0.8133	44.90
(2) DBCT108F1V92-1	B	From Leg	4.0000	0.000	178.7500	No Ice	0.6372	0.6042	28.66
			0.00			1/2" Ice	0.7401	0.7050	35.88
			0.00			1" Ice	0.8504	0.8133	44.90
(2) DBCT108F1V92-1	C	From Leg	4.0000	0.000	178.7500	No Ice	0.6372	0.6042	28.66
			0.00			1/2" Ice	0.7401	0.7050	35.88
			0.00			1" Ice	0.8504	0.8133	44.90
RRUS 11	A	From Leg	4.0000	0.000	178.7500	No Ice	2.7845	1.1872	47.62
			0.00			1/2" Ice	2.9919	1.3342	68.42
			0.00			1" Ice	3.2066	1.4897	92.25
RRUS 11	B	From Leg	4.0000	0.000	178.7500	No Ice	2.7845	1.1872	47.62
			0.00			1/2" Ice	2.9919	1.3342	68.42
			0.00			1" Ice	3.2066	1.4897	92.25
RRUS 11	C	From Leg	4.0000	0.000	178.7500	No Ice	2.7845	1.1872	47.62
			0.00			1/2" Ice	2.9919	1.3342	68.42
			0.00			1" Ice	3.2066	1.4897	92.25
RRUS 12	A	From Leg	4.0000	0.000	178.7500	No Ice	3.1450	1.2854	58.00
			0.00			1/2" Ice	3.3648	1.4379	81.22
			0.00			1" Ice	3.5920	1.5998	107.64
RRUS 12	B	From Leg	4.0000	0.000	178.7500	No Ice	3.1450	1.2854	58.00
			0.00			1/2" Ice	3.3648	1.4379	81.22

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
			0.00			1" Ice	3.5920	1.5998	107.64
RRUS 12	C	From Leg	4.0000	0.000	178.7500	No Ice	3.1450	1.2854	58.00
			0.00			1/2" Ice	3.3648	1.4379	81.22
			0.00			1" Ice	3.5920	1.5998	107.64
RRUS 32	A	From Leg	4.0000	0.000	178.7500	No Ice	2.8571	1.7766	55.12
			0.00			1/2" Ice	3.0830	1.9677	77.39
			0.00			1" Ice	3.3163	2.1658	102.93
RRUS 32	B	From Leg	4.0000	0.000	178.7500	No Ice	2.8571	1.7766	55.12
			0.00			1/2" Ice	3.0830	1.9677	77.39
			0.00			1" Ice	3.3163	2.1658	102.93
RRUS 32	C	From Leg	4.0000	0.000	178.7500	No Ice	2.8571	1.7766	55.12
			0.00			1/2" Ice	3.0830	1.9677	77.39
			0.00			1" Ice	3.3163	2.1658	102.93
RRUS 4426 B66	A	From Leg	4.0000	0.000	178.7500	No Ice	1.6444	0.7252	48.40
			0.00			1/2" Ice	1.8044	0.8421	61.22
			0.00			1" Ice	1.9719	0.9685	76.43
RRUS 4426 B66	B	From Leg	4.0000	0.000	178.7500	No Ice	1.6444	0.7252	48.40
			0.00			1/2" Ice	1.8044	0.8421	61.22
			0.00			1" Ice	1.9719	0.9685	76.43
RRUS 4426 B66	C	From Leg	4.0000	0.000	178.7500	No Ice	1.6444	0.7252	48.40
			0.00			1/2" Ice	1.8044	0.8421	61.22
			0.00			1" Ice	1.9719	0.9685	76.43
DC6-48-60-18-8F	A	From Leg	4.0000	0.000	178.7500	No Ice	0.7915	0.7915	18.90
			0.00			1/2" Ice	1.2743	1.2743	34.02
			0.00			1" Ice	1.4503	1.4503	51.47
DC6-48-60-18-8F	B	From Leg	4.0000	0.000	178.7500	No Ice	0.7915	0.7915	18.90
			0.00			1/2" Ice	1.2743	1.2743	34.02
			0.00			1" Ice	1.4503	1.4503	51.47
Rohn 6' x 15' Boom Gate	A	From Leg	2.0000	0.000	177.5000	No Ice	17.5000	9.0000	510.00
			0.00			1/2" Ice	23.5000	12.0000	720.00
			0.00			1" Ice	29.5000	15.0000	930.00
Rohn 6' x 15' Boom Gate	B	From Leg	2.0000	0.000	177.5000	No Ice	17.5000	9.0000	510.00
			0.00			1/2" Ice	23.5000	12.0000	720.00
			0.00			1" Ice	29.5000	15.0000	930.00
Rohn 6' x 15' Boom Gate	C	From Leg	2.0000	0.000	177.5000	No Ice	17.5000	9.0000	510.00
			0.00			1/2" Ice	23.5000	12.0000	720.00
			0.00			1" Ice	29.5000	15.0000	930.00
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*** Sprint ***									
APXV9ERR18-C-A20_TIA	A	From Leg	3.0000	0.000	150.0000	No Ice	8.2619	7.4708	95.05
w/ Mount Pipe			0.00			1/2" Ice	8.8215	8.6564	165.53
			0.00			1" Ice	9.3462	9.5559	244.04
APXV9ERR18-C-A20_TIA	B	From Leg	3.0000	0.000	150.0000	No Ice	8.2619	7.4708	95.05
w/ Mount Pipe			0.00			1/2" Ice	8.8215	8.6564	165.53
			0.00			1" Ice	9.3462	9.5559	244.04
APXV9ERR18-C-A20_TIA	C	From Leg	3.0000	0.000	150.0000	No Ice	8.2619	7.4708	95.05
w/ Mount Pipe			0.00			1/2" Ice	8.8215	8.6564	165.53
			0.00			1" Ice	9.3462	9.5559	244.04
APXVTM14-ALU-I20_TIA	A	From Leg	3.0000	0.000	150.0000	No Ice	6.5799	4.9591	76.99
w/ Mount Pipe			0.00			1/2" Ice	7.0306	5.7544	131.60
			0.00			1" Ice	7.4733	6.4723	192.90
APXVTM14-ALU-I20_TIA	B	From Leg	3.0000	0.000	150.0000	No Ice	6.5799	4.9591	76.99
w/ Mount Pipe			0.00			1/2" Ice	7.0306	5.7544	131.60
			0.00			1" Ice	7.4733	6.4723	192.90
APXVTM14-ALU-I20_TIA	C	From Leg	3.0000	0.000	150.0000	No Ice	6.5799	4.9591	76.99
w/ Mount Pipe			0.00			1/2" Ice	7.0306	5.7544	131.60
			0.00			1" Ice	7.4733	6.4723	192.90

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
FD-RRH-4x40-1900	A	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388	2.2360 2.4385 2.6485	59.50 82.62 108.98
FD-RRH-4x40-1900	B	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388	2.2360 2.4385 2.6485	59.50 82.62 108.98
FD-RRH-4x40-1900	C	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	2.3218 2.5266 2.7388	2.2360 2.4385 2.6485	59.50 82.62 108.98
FD-RRH-2x50-800	A	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	53.00 76.83 103.88
FD-RRH-2x50-800	B	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	53.00 76.83 103.88
FD-RRH-2x50-800	C	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	53.00 76.83 103.88
TD-RRH8x20-25	A	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	70.00 97.15 127.83
TD-RRH8x20-25	B	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	70.00 97.15 127.83
TD-RRH8x20-25	C	From Leg	3.0000 0.00 0.00	0.000	150.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	70.00 97.15 127.83
Rohn 6' x 15' Boom Gate	A	From Leg	2.0000 0.00 0.00	0.000	150.5000	No Ice 1/2" Ice 1" Ice	17.5000 23.5000 29.5000	9.0000 12.0000 15.0000	510.00 720.00 930.00
Rohn 6' x 15' Boom Gate	B	From Leg	2.0000 0.00 0.00	0.000	150.5000	No Ice 1/2" Ice 1" Ice	17.5000 23.5000 29.5000	9.0000 12.0000 15.0000	510.00 720.00 930.00
Rohn 6' x 15' Boom Gate	C	From Leg	2.0000 0.00 0.00	0.000	150.5000	No Ice 1/2" Ice 1" Ice	17.5000 23.5000 29.5000	9.0000 12.0000 15.0000	510.00 720.00 930.00
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*** Verizon ***									
(2) LPA-80080/4CF w/ Mount Pipe	A	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	2.8561 3.2195 3.5922	6.5689 7.1948 7.8369	30.01 76.24 128.40
(2) LPA-80080/4CF w/ Mount Pipe	B	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	2.8561 3.2195 3.5922	6.5689 7.1948 7.8369	30.01 76.24 128.40
(2) LPA-80080/4CF w/ Mount Pipe	C	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	2.8561 3.2195 3.5922	6.5689 7.1948 7.8369	30.01 76.24 128.40
(2) NHH-65B-R2B_TIA w/ Mount Pipe	A	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	69.25 137.80 214.31
(2) NHH-65B-R2B_TIA w/ Mount Pipe	B	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	69.25 137.80 214.31
(2) NHH-65B-R2B_TIA w/ Mount Pipe	C	From Leg	3.0000 0.00 0.00	0.000	169.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	69.25 137.80 214.31
12 port OVP	A	From Leg	1.5000	0.000	169.0000	No Ice	4.0563	3.0975	31.50

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
			0.00			1/2" Ice	4.3155	3.3351	67.99
			0.00			1" Ice	4.5822	3.5801	108.47
MT6407-77A w/ Pipe Mount	A	From Leg	3.0000	0.000	169.0000	No Ice	5.9146	3.7666	116.30
			0.00			1/2" Ice	6.7281	4.8178	166.88
			0.00			1" Ice	7.4504	5.7207	223.41
MT6407-77A w/ Pipe Mount	B	From Leg	3.0000	0.000	169.0000	No Ice	5.9146	3.7666	116.30
			0.00			1/2" Ice	6.7281	4.8178	166.88
			0.00			1" Ice	7.4504	5.7207	223.41
MT6407-77A w/ Pipe Mount	C	From Leg	3.0000	0.000	169.0000	No Ice	5.9146	3.7666	116.30
			0.00			1/2" Ice	6.7281	4.8178	166.88
			0.00			1" Ice	7.4504	5.7207	223.41
RF4439d-25A	A	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.2517	74.70
			0.00			1/2" Ice	2.0349	1.3942	93.02
			0.00			1" Ice	2.2123	1.5442	114.12
RF4439d-25A	B	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.2517	74.70
			0.00			1/2" Ice	2.0349	1.3942	93.02
			0.00			1" Ice	2.2123	1.5442	114.12
RF4439d-25A	C	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.2517	74.70
			0.00			1/2" Ice	2.0349	1.3942	93.02
			0.00			1" Ice	2.2123	1.5442	114.12
RF4440d-13A	A	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.1282	70.33
			0.00			1/2" Ice	2.0349	1.2653	87.65
			0.00			1" Ice	2.2123	1.4098	107.70
RF4440d-13A	B	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.1282	70.33
			0.00			1/2" Ice	2.0349	1.2653	87.65
			0.00			1" Ice	2.2123	1.4098	107.70
RF4440d-13A	C	From Leg	3.0000	0.000	169.0000	No Ice	1.8650	1.1282	70.33
			0.00			1/2" Ice	2.0349	1.2653	87.65
			0.00			1" Ice	2.2123	1.4098	107.70
10.5'-P2x0.154 H	A	From Leg	3.0000	0.000	169.0000	No Ice	2.4937	0.0149	38.00
			0.00			1/2" Ice	3.5719	0.0212	57.16
			0.00			1" Ice	4.6667	0.0275	82.70
10.5'-P2x0.154 H	B	From Leg	3.0000	0.000	169.0000	No Ice	2.4937	0.0149	38.00
			0.00			1/2" Ice	3.5719	0.0212	57.16
			0.00			1" Ice	4.6667	0.0275	82.70
10.5'-P2x0.154 H	C	From Leg	3.0000	0.000	169.0000	No Ice	2.4937	0.0149	38.00
			0.00			1/2" Ice	3.5719	0.0212	57.16
			0.00			1" Ice	4.6667	0.0275	82.70
Sector Mount [SM 502-3]	C	None		0.000	169.0000	No Ice	29.8200	29.8200	1673.10
						1/2" Ice	42.2100	42.2100	2266.26
						1" Ice	54.4300	54.4300	3051.51
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Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy

Comb. No.	Description
4	1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.6 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.6 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.6 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.6 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	193 - 180	Leg	Max Tension	4	12567.36	0.44	-0.20
			Max. Compression	6	-16193.50	0.26	0.17
			Max. Mx	11	10550.24	-0.45	-0.07
			Max. My	2	-15947.38	-0.07	-0.48
			Max. Vy	11	-1964.71	-0.29	-0.05
			Max. Vx	2	-2063.66	-0.05	-0.31
		Diagonal	Max Tension	5	2477.93	0.00	0.00
			Max. Compression	10	-2614.63	0.00	0.00
			Max. Mx	6	208.35	0.03	-0.00
			Max. My	8	-1910.48	0.00	0.01
			Max. Vy	19	-19.95	0.02	0.00
			Max. Vx	8	2.81	0.00	0.00
		Top Girt	Max Tension	8	16.68	0.00	0.00
			Max. Compression	2	-14.71	0.00	0.00
			Max. Mx	19	-2.55	-0.02	0.00
			Max. My	3	-0.05	0.00	0.00
			Max. Vy	19	23.74	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Bottom Girt	Max Tension	4	888.45	0.00	0.00
			Max. Compression	10	-807.84	0.00	0.00
			Max. Mx	14	150.26	-0.02	0.00
			Max. My	3	50.43	0.00	0.00
			Max. Vy	14	23.74	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
T2	180 - 160	Leg	Max Tension	4	77028.30	-1.04	0.60
			Max. Compression	10	-90040.44	1.05	-0.60
			Max. Mx	5	-5027.56	-4.74	-0.37
			Max. My	3	-5594.33	-2.13	4.49
			Max. Vy	5	4671.83	-4.74	-0.37
			Max. Vx	3	-4456.67	-2.13	4.49
		Diagonal	Max Tension	8	8362.69	0.02	-0.01
			Max. Compression	2	-9121.48	0.00	0.00
			Max. Mx	3	425.06	-0.17	-0.05
			Max. My	7	-5659.74	-0.06	0.07
			Max. Vy	3	-82.86	0.00	0.00
			Max. Vx	7	35.36	-0.06	0.07
		Secondary Horizontal	Max Tension	4	5278.92	0.00	0.00
			Max. Compression	10	-4735.26	0.00	0.00
			Max. Mx	4	5199.38	-0.14	-0.01
			Max. My	4	-1664.99	0.06	0.02
			Max. Vy	4	85.79	0.00	0.00
			Max. Vx	4	13.77	0.06	0.02
		Top Girt	Max Tension	10	756.05	0.00	0.00
			Max. Compression	4	-740.71	0.00	0.00
			Max. Mx	14	32.40	-0.02	0.00
			Max. My	3	-2.27	0.00	0.00
			Max. Vy	14	23.52	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Bottom Girt	Max Tension	10	5630.88	0.00	0.00
			Max. Compression	4	-4490.52	0.00	0.00
			Max. Mx	14	690.59	-0.02	0.00
			Max. My	3	1064.02	0.00	0.00
			Max. Vy	14	23.52	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Guy A	Bottom Tension	9	27375.56		
			Top Tension	9	27560.38		
			Top Cable Vert	9	21072.36		
			Top Cable Norm	9	17763.14		
			Top Cable Tan	9	32.99		
			Bot Cable Vert	9	-20655.97		
			Bot Cable Norm	9	17963.65		
			Bot Cable Tan	9	243.89		
		Guy B	Bottom Tension	11	26363.26		
			Top Tension	11	26548.22		
			Top Cable Vert	11	20306.91		
			Top Cable Norm	11	17100.80		
			Top Cable Tan	11	21.36		
			Bot Cable Vert	11	-19890.51		
			Bot Cable Norm	11	17301.31		
			Bot Cable Tan	11	232.25		
		Guy C	Bottom Tension	3	27427.61		
			Top Tension	3	27612.43		
			Top Cable Vert	3	21111.79		
			Top Cable Norm	3	17797.11		
			Top Cable Tan	3	34.37		
			Bot Cable Vert	3	-20695.40		
			Bot Cable Norm	3	17997.62		
			Bot Cable Tan	3	245.27		

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Torque Arm Top	Max Tension	3	18375.92	0.00	0.00
			Max. Compression	3	-8708.24	0.00	0.00
			Max. Mx	3	-686.10	-70.82	-0.00
			Max. My	3	-3893.75	-37.15	0.00
			Max. Vy	3	20840.70	-70.82	-0.00
			Max. Vx	3	0.01	-37.15	0.00
T3	160 - 140	Leg	Max Tension	8	35637.23	0.02	-1.17
			Max. Compression	2	-84621.95	-0.01	-1.55
			Max. Mx	10	-78141.12	-1.44	0.90
			Max. My	2	-78924.59	-0.01	-1.55
			Max. Vy	4	-4046.83	-1.08	0.68
			Max. Vx	8	-4406.97	0.02	-1.17
		Diagonal	Max Tension	4	4659.96	0.00	0.00
			Max. Compression	10	-5593.57	0.04	0.00
			Max. Mx	2	679.05	-0.07	-0.01
			Max. My	10	752.68	-0.07	0.01
			Max. Vy	2	-39.03	0.00	0.00
			Max. Vx	10	5.90	-0.07	0.01
		Secondary Horizontal	Max Tension	10	2365.58	-0.01	-0.01
			Max. Compression	4	-1397.62	-0.01	0.00
			Max. Mx	9	567.93	-0.03	-0.01
			Max. My	9	1797.21	0.02	-0.01
			Max. Vy	17	26.86	0.03	-0.01
			Max. Vx	9	-7.58	0.00	0.00
		Top Girt	Max Tension	3	601.06	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	440.15	0.01	0.00
			Max. My	3	421.78	0.00	-0.00
			Max. Vy	14	-15.46	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Bottom Girt	Max Tension	2	429.22	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	391.79	0.01	0.00
			Max. My	3	400.90	0.00	-0.00
			Max. Vy	14	-15.46	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T4	140 - 120	Leg	Max Tension	12	2393.47	0.28	0.13
			Max. Compression	6	-70503.00	-0.12	-0.06
			Max. Mx	10	-16046.80	0.29	-0.03
			Max. My	8	1349.89	0.08	-0.32
			Max. Vy	10	-1307.13	-0.15	-0.03
			Max. Vx	2	-1390.52	-0.08	-0.10
		Diagonal	Max Tension	2	1250.14	0.00	0.00
			Max. Compression	2	-2096.36	0.00	0.00
			Max. Mx	18	-652.61	0.02	0.00
			Max. My	2	83.86	0.00	-0.00
			Max. Vy	18	-15.25	0.00	0.00
			Max. Vx	2	0.04	0.00	0.00
		Top Girt	Max Tension	7	917.09	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	706.99	0.01	0.00
			Max. My	3	537.96	0.00	-0.00
			Max. Vy	14	15.21	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Bottom Girt	Max Tension	3	978.56	0.00	0.00
			Max. Compression	6	-109.52	0.00	0.00
			Max. Mx	14	703.01	0.01	0.00
			Max. My	9	689.65	0.00	-0.00
			Max. Vy	14	15.21	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T5	120 - 100	Leg	Max Tension	4	19163.42	-0.36	0.21
			Max. Compression	10	-94702.70	-1.65	0.97
			Max. Mx	11	-18161.21	3.05	-0.79
			Max. My	3	-18788.03	-0.93	3.25
			Max. Vy	9	3057.31	1.65	-0.72
			Max. Vx	2	3187.23	0.01	2.00
		Diagonal	Max Tension	8	2578.62	0.01	0.00
			Max. Compression	2	-4866.45	0.00	0.00
			Max. Mx	3	-1177.34	0.11	0.02
			Max. My	3	-3553.84	0.08	-0.03
			Max. Vy	3	-56.55	0.11	0.02
			Max. Vx	3	14.87	0.08	-0.03
		Secondary Horizontal	Max Tension	3	4054.64	0.00	0.00
			Max. Compression	10	-2271.74	0.00	0.00
			Max. Mx	3	2645.10	0.06	-0.01
			Max. My	2	3153.31	-0.04	-0.02
			Max. Vy	3	-38.09	0.06	-0.01
			Max. Vx	2	-9.33	-0.04	-0.02
		Top Girt	Max Tension	18	621.64	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	597.17	-0.02	0.00
			Max. My	9	468.05	0.00	0.00
			Max. Vy	14	-22.53	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
		Bottom Girt	Max Tension	10	2468.14	0.00	0.00
			Max. Compression	4	-988.85	0.00	0.00
			Max. Mx	14	1014.31	-0.02	0.00
			Max. My	9	848.75	0.00	0.00
			Max. Vy	14	-22.53	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
		Guy A	Bottom Tension	9	12662.54		
			Top Tension	9	12745.16		
			Top Cable Vert	9	9804.23		
			Top Cable Norm	9	8143.45		
			Top Cable Tan	9	18.86		
			Bot Cable Vert	9	-9617.73		
			Bot Cable Norm	9	8236.06		
			Bot Cable Tan	9	80.89		
		Guy B	Bottom Tension	11	11901.67		
			Top Tension	11	11984.36		
			Top Cable Vert	11	9224.01		
			Top Cable Norm	11	7651.26		
			Top Cable Tan	11	24.21		
			Bot Cable Vert	11	-9037.51		
			Bot Cable Norm	11	7743.87		
			Bot Cable Tan	11	75.54		
		Guy C	Bottom Tension	3	12662.79		
			Top Tension	3	12745.42		
			Top Cable Vert	3	9804.44		
			Top Cable Norm	3	8143.60		
			Top Cable Tan	3	18.86		
			Bot Cable Vert	3	-9617.94		
			Bot Cable Norm	3	8236.21		
			Bot Cable Tan	3	80.89		
		Torque Arm Top	Max Tension	9	7964.52	0.00	0.00
			Max. Compression	9	-3834.47	0.00	0.00
			Max. Mx	3	19.29	-31.49	-0.00
			Max. My	9	-2026.78	-18.99	-0.00
			Max. Vy	3	9289.31	-31.49	-0.00
			Max. Vx	9	-0.00	-18.99	-0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T6	100 - 80	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	10	-92471.13	-0.15	0.10
			Max. Mx	4	-1782.68	-0.85	0.53
			Max. My	8	-1813.72	0.05	-0.90
			Max. Vy	4	-2090.15	-0.85	0.53
			Max. Vx	8	-2214.27	0.05	-0.90
		Diagonal	Max Tension	3	1730.56	0.00	0.00
			Max. Compression	3	-2363.85	0.00	0.00
			Max. Mx	16	-848.07	0.01	0.00
			Max. My	22	-509.78	0.00	0.00
			Max. Vy	16	-12.79	0.00	0.00
			Max. Vx	22	-0.01	0.00	0.00
		Top Girt	Max Tension	17	647.83	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	607.95	0.01	0.00
			Max. My	9	529.57	0.00	-0.00
			Max. Vy	14	-12.78	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Bottom Girt	Max Tension	23	424.72	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	409.34	0.01	0.00
			Max. My	9	350.45	0.00	-0.00
			Max. Vy	14	-12.78	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
T7	80 - 60	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	10	-79319.67	-0.53	0.29
			Max. Mx	11	-33834.93	1.49	-0.30
			Max. My	3	-34956.68	-0.54	1.56
			Max. Vy	10	2603.69	1.40	-0.84
			Max. Vx	2	2618.00	0.02	1.46
		Diagonal	Max Tension	9	2520.88	-0.04	0.01
			Max. Compression	4	-3746.62	0.00	0.00
			Max. Mx	3	-385.44	0.06	0.01
			Max. My	10	-2094.83	0.01	0.01
			Max. Vy	24	-32.31	0.05	0.00
			Max. Vx	3	5.76	0.04	-0.01
		Top Girt	Max Tension	17	891.23	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	830.01	0.01	0.00
			Max. My	9	727.69	0.00	-0.00
			Max. Vy	14	14.16	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Bottom Girt	Max Tension	10	1528.25	0.00	0.00
			Max. Compression	4	-299.53	0.00	0.00
			Max. Mx	14	950.75	0.01	0.00
			Max. My	9	741.94	0.00	-0.00
			Max. Vy	14	14.16	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Guy A	Bottom Tension	9	6560.14		
			Top Tension	9	6592.27		
			Top Cable Vert	9	3902.82		
			Top Cable Norm	9	5312.79		
			Top Cable Tan	9	16.43		
			Bot Cable Vert	9	-3811.85		
			Bot Cable Norm	9	5338.94		
			Bot Cable Tan	9	31.43		
		Guy B	Bottom Tension	11	6114.52		
			Top Tension	11	6146.67		
			Top Cable Vert	11	3641.92		
			Top Cable Norm	11	4951.52		
			Top Cable Tan	11	18.37		

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Bot Cable Vert	11	-3550.95		
			Bot Cable Norm	11	4977.67		
			Bot Cable Tan	11	29.49		
		Guy C	Bottom Tension	4	6569.22		
			Top Tension	4	6601.40		
			Top Cable Vert	4	3907.06		
			Top Cable Norm	4	5321.04		
			Top Cable Tan	4	1.14		
			Bot Cable Vert	4	-3817.76		
			Bot Cable Norm	4	5345.97		
			Bot Cable Tan	4	1.73		
		Torque Arm Top	Max Tension	9	5480.36	0.00	0.00
			Max. Compression	9	-2680.41	0.00	0.00
			Max. Mx	4	-2132.31	-12.45	0.00
			Max. My	9	-2680.10	-11.83	-0.00
			Max. Vy	4	3697.56	-12.45	0.00
			Max. Vx	9	-0.00	-11.83	-0.00
T8	60 - 40	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	10	-73746.39	-0.43	0.27
			Max. Mx	10	-73743.34	1.19	-0.71
			Max. My	2	-72294.75	0.01	1.24
			Max. Vy	10	2627.09	1.19	-0.71
			Max. Vx	2	2642.17	0.01	1.24
		Diagonal	Max Tension	3	2074.12	0.00	0.00
			Max. Compression	10	-3155.45	0.00	0.00
			Max. Mx	22	327.90	0.01	0.00
			Max. My	5	-1643.55	0.00	0.00
			Max. Vy	22	-13.65	0.00	0.00
			Max. Vx	5	-0.01	0.00	0.00
		Top Girt	Max Tension	24	886.09	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	866.03	0.01	0.00
			Max. My	9	715.81	0.00	-0.00
			Max. Vy	14	-13.64	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Bottom Girt	Max Tension	18	953.85	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	26	849.48	0.01	0.00
			Max. My	9	385.57	0.00	-0.00
			Max. Vy	26	-13.64	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
T9	40 - 20	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	25	-72361.51	-0.41	0.06
			Max. Mx	6	-48262.55	-0.62	-0.32
			Max. My	2	-48959.46	0.03	0.72
			Max. Vy	10	1100.22	0.61	-0.41
			Max. Vx	2	1091.83	0.03	0.72
		Diagonal	Max Tension	9	1470.14	0.00	0.00
			Max. Compression	3	-1899.35	0.00	0.00
			Max. Mx	22	-101.17	0.01	0.00
			Max. My	16	95.01	0.00	-0.00
			Max. Vy	22	-11.11	0.00	0.00
			Max. Vx	16	0.01	0.00	0.00
		Top Girt	Max Tension	3	638.40	0.00	0.00
			Max. Compression	9	-323.38	0.00	0.00
			Max. Mx	14	185.51	0.01	0.00
			Max. Vy	14	11.10	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Bottom Girt	Max Tension	9	303.25	0.00	0.00
			Max. Compression	12	-39.44	0.00	0.00
			Max. Mx	23	175.14	0.01	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	23	11.10	0.00	0.00
			Max. Vx	5	0.00	0.00	0.00
T10	20 - 5	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	25	-72399.93	0.10	-0.06
			Max. Mx	24	-71782.84	1.45	0.73
			Max. My	21	-71721.70	-0.07	-1.61
			Max. Vy	17	7406.53	-1.35	0.90
			Max. Vx	22	8469.19	-0.05	-1.61
		Diagonal	Max Tension	4	1992.56	0.00	0.00
			Max. Compression	4	-1809.95	0.00	0.00
			Max. Mx	22	705.94	0.01	0.00
			Max. My	16	-265.62	0.00	-0.00
			Max. Vy	22	11.78	0.00	0.00
			Max. Vx	16	-0.01	0.00	0.00
		Top Girt	Max Tension	3	523.95	0.00	0.00
			Max. Compression	4	-34.28	0.00	0.00
			Max. Mx	23	322.08	0.01	0.00
			Max. My	5	316.34	0.00	-0.00
			Max. Vy	23	-11.77	0.00	0.00
			Max. Vx	5	0.00	0.00	0.00
		Bottom Girt	Max Tension	22	4502.52	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	4377.54	0.01	0.00
			Max. My	11	3017.91	0.00	-0.00
			Max. Vy	14	-11.77	0.00	0.00
			Max. Vx	11	0.00	0.00	0.00
T11	5 - 0	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-77643.19	0.16	-0.03
			Max. Mx	19	-74709.70	-1.87	0.04
			Max. My	11	-46789.15	-0.03	0.36
			Max. Vy	23	18642.68	-1.75	-0.08
			Max. Vx	4	635.25	-1.16	-0.19
		Top Girt	Max Tension	22	12207.50	0.25	-0.13
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	12123.82	0.34	-0.10
			Max. My	5	7823.88	0.15	-0.18
			Max. Vy	4	-94.60	0.31	-0.06
			Max. Vx	5	-60.51	0.25	0.00
		Bottom Girt	Max Tension	1	0.00	0.00	0.00
			Max. Compression	15	-3242.22	0.62	-0.28
			Max. Mx	15	-3237.54	0.72	-0.27
			Max. My	15	-3242.22	0.62	-0.28
			Max. Vy	11	1722.79	0.71	-0.15
			Max. Vx	10	236.37	0.37	-0.17
		Mid Girt	Max Tension	22	85.13	0.00	0.00
			Max. Compression	22	-665.00	0.00	0.00
			Max. Mx	23	-656.18	-0.01	0.00
			Max. My	16	-631.87	0.00	-0.00
			Max. Vy	23	21.46	0.00	0.00
			Max. Vx	16	4.24	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Mast	Max. Vert	19	213188.49	-369.94	-253.59

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
	Max. H_x	11	139861.62	1822.32	343.34
	Max. H_z	3	144256.88	-1283.57	1490.22
	Max. M_x	1	0.00	13.61	-4.72
	Max. M_z	1	0.00	13.61	-4.72
	Max. Torsion	5	0.81	-1785.28	344.60
	Min. Vert	1	91290.07	13.61	-4.72
	Min. H_x	4	120810.97	-2170.71	1254.68
	Min. H_z	8	118831.36	19.61	-2127.68
	Min. M_x	1	0.00	13.61	-4.72
	Min. M_z	1	0.00	13.61	-4.72
	Min. Torsion	11	-0.93	1822.32	343.34
Guy C @ 140 ft Elev 0 ft Azimuth 240 deg	Max. Vert	10	-495.89	-232.30	134.13
	Max. H_x	10	-495.89	-232.30	134.13
	Max. H_z	3	-39648.34	-29671.77	17622.93
	Min. Vert	3	-39648.34	-29671.77	17622.93
	Min. H_x	3	-39648.34	-29671.77	17622.93
	Min. H_z	10	-495.89	-232.30	134.13
Guy B @ 140 ft Elev 0 ft Azimuth 120 deg	Max. Vert	6	-521.09	250.56	144.59
	Max. H_x	11	-38235.41	29029.33	16290.59
	Max. H_z	13	-36786.96	27543.47	16358.96
	Min. Vert	11	-38235.41	29029.33	16290.59
	Min. H_x	6	-521.09	250.56	144.59
	Min. H_z	6	-521.09	250.56	144.59
Guy A @ 140 ft Elev 0 ft Azimuth 0 deg	Max. Vert	2	-509.90	0.10	-279.94
	Max. H_x	10	-34006.31	686.06	-29522.98
	Max. H_z	2	-509.90	0.10	-279.94
	Min. Vert	9	-39583.82	423.78	-34452.08
	Min. H_x	6	-32159.74	-649.57	-27928.78
	Min. H_z	9	-39583.82	423.78	-34452.08
Guy C @ 88 ft Elev 0 ft Azimuth 240 deg	Max. Vert	10	-400.80	-231.80	133.79
	Max. H_x	10	-400.80	-231.80	133.79
	Max. H_z	3	-25373.20	-22197.92	12990.46
	Min. Vert	3	-25373.20	-22197.92	12990.46
	Min. H_x	3	-25373.20	-22197.92	12990.46
	Min. H_z	10	-400.80	-231.80	133.79
Guy B @ 88 ft Elev 0 ft Azimuth 120 deg	Max. Vert	6	-511.56	323.72	186.44
	Max. H_x	11	-23752.58	20907.98	11911.27
	Max. H_z	11	-23752.58	20907.98	11911.27
	Min. Vert	11	-23752.58	20907.98	11911.27
	Min. H_x	6	-511.56	323.72	186.44
	Min. H_z	6	-511.56	323.72	186.44
Guy A @ 88 ft Elev 0 ft Azimuth 0 deg	Max. Vert	2	-471.49	0.44	-334.02
	Max. H_x	11	-13278.79	396.82	-13244.10
	Max. H_z	2	-471.49	0.44	-334.02
	Min. Vert	9	-25391.40	150.91	-25742.75
	Min. H_x	5	-13246.26	-396.71	-13204.69
	Min. H_z	9	-25391.40	150.91	-25742.75

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	kip-ft	kip-ft	kip-ft
Dead Only	91290.07	-13.61	4.72	0.00	0.00	0.04
1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy	148642.82	-17.66	-1268.52	0.00	0.00	0.59
1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy	144256.88	1283.57	-1490.22	0.00	0.00	0.78
1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy	120810.97	2170.71	-1254.68	0.00	0.00	-0.23
1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy	140067.39	1785.28	-344.60	0.00	0.00	-0.81
1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy	145335.95	1045.49	621.09	0.00	0.00	-0.24
1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy	134446.71	446.49	1450.29	0.00	0.00	0.22
1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy	118831.36	-19.61	2127.68	0.00	0.00	-0.49
1.2 Dead+1.6 Wind 210 deg - No Ice+1.0 Guy	144057.50	-667.11	1881.92	0.00	0.00	-0.65
1.2 Dead+1.6 Wind 240 deg - No Ice+1.0 Guy	156071.12	-1415.74	816.05	0.00	0.00	0.35
1.2 Dead+1.6 Wind 270 deg - No Ice+1.0 Guy	139861.62	-1822.32	-343.34	0.00	0.00	0.93
1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy	117826.23	-1779.31	-1007.84	0.00	0.00	0.36
1.2 Dead+1.6 Wind 330 deg - No Ice+1.0 Guy	134432.08	-1035.02	-1116.87	0.00	0.00	-0.10
1.2 Dead+1.0 Ice+1.0 Temp+Guy	211005.45	-59.91	5.71	0.00	0.00	0.09
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	213161.81	-58.90	-492.30	0.00	0.00	0.24
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	212760.90	191.43	-447.42	0.00	0.00	0.32
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy	212421.08	387.98	-252.75	0.00	0.00	0.22
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy	212771.31	456.95	15.31	0.00	0.00	0.12
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy	213188.49	369.94	253.59	0.00	0.00	0.11
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy	212700.35	185.56	410.21	0.00	0.00	0.08
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	212334.42	-60.42	490.83	0.00	0.00	-0.06
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy	212690.95	-327.89	449.77	0.00	0.00	-0.13
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy	213137.31	-517.88	270.47	0.00	0.00	-0.04
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy	212652.29	-577.67	16.23	0.00	0.00	0.07
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	212279.89	-478.06	-235.41	0.00	0.00	0.08
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy	212650.78	-286.88	-409.49	0.00	0.00	0.10
Dead+Wind 0 deg - Service+Guy	91566.72	-13.48	-467.91	0.00	0.00	0.13
Dead+Wind 30 deg - Service+Guy	91552.14	263.96	-477.29	0.00	0.00	0.16

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	kip-ft	kip-ft	kip-ft
Dead+Wind 60 deg - Service+Guy	91535.78	470.44	-274.44	0.00	0.00	-0.01
Dead+Wind 90 deg - Service+Guy	91538.17	500.57	5.92	0.00	0.00	-0.11
Dead+Wind 120 deg - Service+Guy	91557.72	378.31	231.13	0.00	0.00	-0.01
Dead+Wind 150 deg - Service+Guy	91521.74	202.60	377.49	0.00	0.00	0.07
Dead+Wind 180 deg - Service+Guy	91519.76	-13.57	476.15	0.00	0.00	-0.05
Dead+Wind 210 deg - Service+Guy	91548.54	-292.57	486.34	0.00	0.00	-0.08
Dead+Wind 240 deg - Service+Guy	91579.84	-498.93	285.00	0.00	0.00	0.09
Dead+Wind 270 deg - Service+Guy	91532.46	-527.77	5.74	0.00	0.00	0.19
Dead+Wind 300 deg - Service+Guy	91509.22	-403.95	-220.58	0.00	0.00	0.09
Dead+Wind 330 deg - Service+Guy	91519.53	-228.08	-368.85	0.00	0.00	0.01

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	% Error
1	-0.00	-36236.87	-0.00	0.91	36236.64	0.08	0.003%
2	-41.43	-43157.94	-50248.17	41.43	43157.84	50246.16	0.003%
3	26950.41	-42992.62	-46787.23	-26950.42	42992.50	46784.53	0.004%
4	46377.28	-42827.29	-26790.30	-46375.66	42827.24	26790.12	0.002%
5	51178.69	-42992.62	41.43	-51176.51	42992.51	-40.16	0.004%
6	41995.55	-43157.94	24308.35	-41992.57	43157.77	-24306.63	0.005%
7	23376.84	-42992.62	40514.76	-23374.82	42992.51	-40513.61	0.004%
8	41.43	-42827.29	49256.25	-38.79	42827.28	-49256.02	0.004%
9	-26950.41	-42992.62	46787.23	26948.09	42992.50	-46785.90	0.004%
10	-47236.30	-43157.94	27286.26	47234.48	43157.84	-27285.21	0.003%
11	-51178.69	-42992.62	-41.43	51176.53	42992.51	42.69	0.004%
12	-41136.53	-42827.29	-23812.39	41137.54	42827.27	23809.59	0.005%
13	-23376.84	-42992.62	-40514.76	23376.86	42992.51	40512.44	0.004%
14	-0.00	-143434.64	-0.00	1.72	143434.63	-0.13	0.001%
15	-5.85	-143572.75	-13155.82	5.83	143572.73	13154.44	0.001%
16	6674.57	-143434.64	-11576.19	-6674.67	143434.63	11575.30	0.001%
17	11590.00	-143296.52	-6693.69	-11589.00	143296.51	6693.28	0.001%
18	13277.95	-143434.64	5.85	-13277.17	143434.63	-5.28	0.001%
19	11292.09	-143572.75	6528.44	-11290.83	143572.73	-6527.70	0.001%
20	6412.71	-143434.64	11110.95	-6411.86	143434.63	-11110.57	0.001%
21	5.85	-143296.52	13040.06	-5.50	143296.51	-13039.00	0.001%
22	-6674.57	-143434.64	11576.19	6673.85	143434.63	-11575.87	0.001%
23	-11678.51	-143572.75	6744.79	11677.38	143572.73	-6744.14	0.001%
24	-13277.95	-143434.64	-5.85	13277.31	143434.63	6.29	0.001%
25	-11191.83	-143296.52	-6470.55	11191.04	143296.51	6469.86	0.001%
26	-6412.71	-143434.64	-11110.95	6412.79	143434.63	11110.09	0.001%
27	-8.46	-36270.61	-10255.74	8.46	36270.60	10254.67	0.003%
28	5500.59	-36236.87	-9549.29	-5500.53	36236.87	9548.47	0.002%
29	9465.62	-36203.13	-5467.91	-9464.68	36203.12	5467.39	0.003%
30	10445.64	-36236.87	8.46	-10443.77	36236.86	-7.59	0.005%
31	8571.39	-36270.61	4961.39	-8570.51	36270.61	-4960.89	0.003%
32	4771.29	-36236.87	8269.19	-4769.75	36236.86	-8268.05	0.005%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	% Error
33	8.46	-36203.13	10053.31	-8.40	36203.12	-10052.23	0.003%
34	-5500.59	-36236.87	9549.29	5498.86	36236.86	-9548.08	0.006%
35	-9640.94	-36270.61	5569.13	9639.96	36270.60	-5568.56	0.003%
36	-10445.64	-36236.87	-8.46	10443.85	36236.86	9.26	0.005%
37	-8396.08	-36203.13	-4860.18	8395.19	36203.12	4859.62	0.003%
38	-4771.29	-36236.87	-8269.19	4771.07	36236.86	8267.33	0.005%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	8	0.00000001	0.00004445
2	Yes	23	0.00004715	0.00008564
3	Yes	22	0.00006808	0.00010425
4	Yes	15	0.00000001	0.00009571
5	Yes	22	0.00006622	0.00009819
6	Yes	22	0.00008268	0.00014331
7	Yes	22	0.00006372	0.00009087
8	Yes	17	0.00011944	0.00008126
9	Yes	22	0.00006785	0.00010338
10	Yes	23	0.00004722	0.00008867
11	Yes	22	0.00006589	0.00009734
12	Yes	16	0.00013379	0.00009436
13	Yes	22	0.00006362	0.00009063
14	Yes	11	0.00000001	0.00005126
15	Yes	17	0.00000001	0.00004633
16	Yes	17	0.00000001	0.00003050
17	Yes	15	0.00000001	0.00004339
18	Yes	17	0.00000001	0.00003251
19	Yes	17	0.00000001	0.00004850
20	Yes	17	0.00000001	0.00003188
21	Yes	15	0.00000001	0.00004356
22	Yes	17	0.00000001	0.00002688
23	Yes	17	0.00000001	0.00004338
24	Yes	17	0.00000001	0.00002665
25	Yes	15	0.00000001	0.00004151
26	Yes	17	0.00000001	0.00002956
27	Yes	12	0.00000001	0.00008139
28	Yes	12	0.00000001	0.00006309
29	Yes	11	0.00000001	0.00008220
30	Yes	11	0.00000001	0.00014425
31	Yes	12	0.00000001	0.00007792
32	Yes	11	0.00000001	0.00013594
33	Yes	11	0.00000001	0.00008341
34	Yes	11	0.00000001	0.00014640
35	Yes	12	0.00000001	0.00008509
36	Yes	11	0.00000001	0.00013732
37	Yes	11	0.00000001	0.00008155
38	Yes	11	0.00000001	0.00013336

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	193 - 180	3.224	28	0.234	0.062
T2	180 - 160	2.617	28	0.228	0.059
T3	160 - 140	1.794	28	0.162	0.049
T4	140 - 120	1.281	35	0.113	0.048
T5	120 - 100	0.882	35	0.084	0.039
T6	100 - 80	0.590	35	0.049	0.030
T7	80 - 60	0.452	35	0.027	0.027
T8	60 - 40	0.368	35	0.011	0.023
T9	40 - 20	0.329	35	0.018	0.030
T10	20 - 5	0.212	35	0.040	0.031
T11	5 - 0	0.056	35	0.051	0.021

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
190.0000	AIR6449 B41_T-MOBILE	28	3.083	0.234	0.062	158564
188.7500	20' x 3" Omni	28	3.024	0.234	0.061	158564
188.0000	APXVAARR24_43-U-NA20_TIA	28	2.989	0.234	0.061	158564
180.0000	6' x 3" Omni	28	2.617	0.228	0.059	54356
178.7500	7770_TIA	28	2.559	0.225	0.058	45834
178.0000	6' Standoff Mount	28	2.525	0.224	0.058	41404
177.5000	Rohn 6' x 15' Boom Gate	28	2.503	0.222	0.058	38758
169.0000	(2) LPA-80080/4CF w/ Mount Pipe	28	2.133	0.195	0.053	17645
162.4961	Guy	28	1.881	0.170	0.050	12542
155.5000	4 Bay Dipole	28	1.654	0.148	0.049	13606
151.0000	3.5' Standoff Mount	28	1.530	0.136	0.049	17428
150.5000	Rohn 6' x 15' Boom Gate	35	1.518	0.135	0.049	17990
150.0000	APXV9ERR18-C-A20_TIA w/ Mount Pipe	35	1.506	0.133	0.049	18589
126.0000	DB408	35	0.994	0.092	0.043	40745
122.5000	3' Standoff Mount	35	0.928	0.088	0.041	38443
121.0000	PD220	35	0.900	0.085	0.040	37500
111.0000	Folded Dipole	35	0.732	0.068	0.035	31134
110.0000	3.5' Standoff Mount	35	0.717	0.066	0.034	30575
106.0000	2' x 2" Omni	35	0.661	0.059	0.033	27615
105.0000	2' Standoff Mount	35	0.648	0.057	0.032	26879
102.4961	Guy	35	0.618	0.053	0.031	25397
62.4961	Guy	35	0.375	0.012	0.023	60115

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	193 - 180	32.735	10	1.916	0.427
T2	180 - 160	27.675	10	1.889	0.411
T3	160 - 140	20.437	10	1.568	0.366
T4	140 - 120	14.730	10	1.303	0.350
T5	120 - 100	9.929	10	1.008	0.291
T6	100 - 80	6.287	10	0.689	0.238

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T7	80 - 60	4.050	10	0.437	0.190
T8	60 - 40	2.648	10	0.237	0.164
T9	40 - 20	1.907	10	0.178	0.186
T10	20 - 5	1.125	10	0.233	0.163
T11	5 - 0	0.294	10	0.273	0.113

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
190.0000	AIR6449 B41_T-MOBILE	10	31.562	1.919	0.424	33529
188.7500	20' x 3" Omni	10	31.073	1.919	0.423	33529
188.0000	APXVAARR24_43-U-NA20_TIA	10	30.780	1.919	0.422	33529
180.0000	6' x 3" Omni	10	27.675	1.889	0.411	11458
178.7500	7770_TIA	10	27.195	1.878	0.409	9644
178.0000	6' Standoff Mount	10	26.907	1.870	0.407	8702
177.5000	Rohn 6' x 15' Boom Gate	10	26.716	1.864	0.406	8140
169.0000	(2) LPA-80080/4CF w/ Mount Pipe	10	23.540	1.731	0.385	3681
162.4961	Guy	10	21.262	1.612	0.370	2596
155.5000	4 Bay Dipole	10	19.027	1.499	0.361	2695
151.0000	3.5' Standoff Mount	10	17.704	1.439	0.359	3208
150.5000	Rohn 6' x 15' Boom Gate	10	17.561	1.433	0.358	3277
150.0000	APXV9ERR18-C-A20_TIA w/ Mount Pipe	10	17.420	1.426	0.358	3349
126.0000	DB408	10	11.274	1.100	0.311	4038
122.5000	3' Standoff Mount	10	10.477	1.045	0.299	3737
121.0000	PD220	10	10.146	1.023	0.295	3632
111.0000	Folded Dipole	10	8.115	0.863	0.266	3250
110.0000	3.5' Standoff Mount	10	7.931	0.847	0.264	3216
106.0000	2' x 2" Omni	10	7.227	0.782	0.253	3081
105.0000	2' Standoff Mount	10	7.061	0.766	0.251	3049
102.4961	Guy	10	6.661	0.727	0.244	2985
62.4961	Guy	10	2.780	0.254	0.164	5729

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	193	Leg	A325N	0.7500	4	3141.84	29820.60	0.105	1	Bolt Tension
		Diagonal	A325N	0.6250	2	1238.96	8224.22	0.151	1	Member Block Shear
		Top Girt	A325N	0.6250	2	8.34	8224.22	0.001	1	Member Block Shear
		Bottom Girt	A325N	0.6250	2	444.22	8224.22	0.054	1	Member Block Shear
T2	180	Leg	A325N	0.7500	4	8909.22	29820.60	0.299	1	Bolt Tension
		Diagonal	A325N	0.6250	2	4181.34	8224.22	0.508	1	Member Block Shear
		Secondary	A325N	0.6250	1	5278.92	10207.00	0.517	1	Member Block

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load / Allowable	Allowable Ratio	Criteria
		Horizontal Top Girt	A325N	0.6250	2	779.77	8224.22	0.095	1	Shear Member Block Shear
		Bottom Girt	A325N	0.6250	2	2815.44	8224.22	0.342	1	Member Block Shear
		Torque Arm Top@162.496	A325N	0.8750	4	4593.98	24353.50	0.189	1	Bolt Shear
T3	160	Leg	A325N	0.7500	4	5271.78	29820.60	0.177	1	Bolt Tension
		Diagonal	A325X	0.6250	1	4659.96	9107.81	0.512	1	Member Block Shear
		Secondary Horizontal Top Girt	A325N	0.6250	1	2365.58	10207.00	0.232	1	Member Block Shear
		Bottom Girt	A325N	0.5000	1	1465.70	7952.16	0.184	1	Bolt Shear
T4	140	Leg	A325N	0.7500	4	5875.25	29820.60	0.197	1	Bolt Tension
		Diagonal	A325N	0.5000	1	2096.36	7952.16	0.264	1	Bolt Shear
		Top Girt	A325N	0.5000	1	1221.15	7952.16	0.154	1	Bolt Shear
		Bottom Girt	A325N	0.5000	1	1221.15	7952.16	0.154	1	Bolt Shear
T5	120	Leg	A325N	0.7500	4	7705.72	29820.60	0.258	1	Bolt Tension
		Diagonal	A325N	0.6250	2	2433.22	12425.20	0.196	1	Bolt Shear
		Secondary Horizontal Top Girt	A325N	0.6250	1	4054.64	10207.00	0.397	1	Member Block Shear
		Bottom Girt	A325N	0.6250	2	820.15	8224.22	0.100	1	Member Block Shear
		Torque Arm Top@102.496	A325N	0.6250	2	1234.07	8224.22	0.150	1	Member Block Shear
T6	100	Leg	A325N	0.8750	4	1991.13	24353.50	0.082	1	Bolt Shear
		Diagonal	A490X	0.7500	4	6319.28	29820.60	0.212	1	Bolt Tension
		Top Girt	A325N	0.5000	1	1730.56	4165.56	0.415	1	Member Bearing
		Bottom Girt	A325N	0.5000	1	1601.65	4165.56	0.384	1	Member Bearing
T7	80	Leg	A325N	0.5000	1	1601.65	4165.56	0.384	1	Member Bearing
		Diagonal	A325X	0.7500	4	6145.37	29820.60	0.206	1	Bolt Tension
		Top Girt	A325N	0.6250	1	2520.88	5811.33	0.434	1	Member Block Shear
		Bottom Girt	A325N	0.5000	1	1373.86	7952.16	0.173	1	Bolt Shear
		Torque Arm Top@62.4961	A325N	0.5000	1	1528.25	7952.16	0.192	1	Bolt Shear
T8	60	Leg	A325N	0.8750	4	1370.09	24353.50	0.056	1	Bolt Shear
		Diagonal	A325X	0.7500	4	5775.69	29820.60	0.194	1	Bolt Tension
		Top Girt	A325N	0.5000	1	3155.45	9719.30	0.325	1	Bolt Shear
		Bottom Girt	A325N	0.5000	1	1277.32	7952.16	0.161	1	Bolt Shear
T9	40	Leg	A325N	0.5000	1	1277.32	7952.16	0.161	1	Bolt Shear
		Diagonal	A490X	0.7500	4	6030.13	29820.60	0.202	1	Bolt Tension
		Top Girt	A325N	0.6250	1	1470.14	5261.76	0.279	1	Member Bearing
		Bottom Girt	A325N	0.5000	1	1253.34	4165.56	0.301	1	Member Bearing
T10	20	Leg	A325N	0.5000	1	1253.34	4165.56	0.301	1	Member Bearing
		Diagonal	A490X	0.7500	4	5981.90	29820.60	0.201	1	Bolt Tension
		Top Girt	A325N	0.5000	1	1992.56	8618.40	0.231	1	Member Bearing
		Bottom Girt	A490X	0.5000	1	1254.00	7952.16	0.158	1	Bolt Shear
				0.6250	1	4502.52	10886.40	0.414	1	Member Bearing

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension lb	Breaking Load lb	Actual T_u lb	Allowable T_n lb	Required S.F.	Actual S.F.
T2	162.4961 (A) (594)	3/4 EHS	5830.00	58299.91	27560.40	34980.00	1.000	1.269
	162.4961 (A) (595)	3/4 EHS	5830.00	58299.91	25348.50	34980.00	1.000	1.380
	162.4961 (B) (590)	3/4 EHS	5830.00	58299.91	25307.20	34980.00	1.000	1.382
	162.4961 (B) (591)	3/4 EHS	5830.00	58299.91	26548.20	34980.00	1.000	1.318
	162.4961 (C) (586)	3/4 EHS	5830.00	58299.91	26645.30	34980.00	1.000	1.313
	162.4961 (C) (587)	3/4 EHS	5830.00	58299.91	27612.40	34980.00	1.000	1.267
T5	102.4961 (A) (606)	5/8 EHS	4240.00	42399.99	12745.20	25440.00	1.000	1.996
	102.4961 (A) (607)	5/8 EHS	4240.00	42399.99	11208.70	25440.00	1.000	2.270
	102.4961 (B) (602)	5/8 EHS	4240.00	42399.99	10538.20	25440.00	1.000	2.414
	102.4961 (B) (603)	5/8 EHS	4240.00	42399.99	11984.40	25440.00	1.000	2.123
	102.4961 (C) (598)	5/8 EHS	4240.00	42399.99	11972.60	25440.00	1.000	2.125
	102.4961 (C) (599)	5/8 EHS	4240.00	42399.99	12745.40	25440.00	1.000	1.996
T7	62.4961 (A) (618)	1/2 EHS	2690.00	26900.04	6592.27	16140.00	1.000	2.448
	62.4961 (A) (619)	1/2 EHS	2690.00	26900.04	6097.66	16140.00	1.000	2.647
	62.4961 (B) (614)	1/2 EHS	2690.00	26900.04	5617.06	16140.00	1.000	2.873
	62.4961 (B) (615)	1/2 EHS	2690.00	26900.04	6146.67	16140.00	1.000	2.626
	62.4961 (C) (610)	1/2 EHS	2690.00	26900.04	6601.40	16140.00	1.000	2.445
	62.4961 (C) (611)	1/2 EHS	2690.00	26900.04	6572.31	16140.00	1.000	2.456

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	ROHN 2.5 EH	13.0000	0.0833	1.1 K=1.00	2.2535	-16193.50	101401.00	0.160 [1]
T2	180 - 160	ROHN 2.5 EH - Upgrade - DestekBoston	20.0000	1.2064	16.2 K=1.00	2.9621	-90040.40	130759.00	0.689 [1]
T3	160 - 140	ROHN 2.5 EH - Upgrade - DestekBoston	20.0000	0.6146	8.3 K=1.00	2.9621	-84622.00	132633.00	0.638 [1]
T4	140 - 120	ROHN 2.5 EH	20.0000	2.4128	31.3 K=1.00	2.2535	-68730.60	94385.00	0.728 [1]
T5	120 - 100	ROHN 3 EH	20.0000	1.2064	12.7	3.0159	-94702.70	134116.00	0.706 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T6	100 - 80	ROHN 3 EH	20.0000	2.4128	K=1.00 25.5	3.0159	-90122.90	129425.00	0.696 [1]
T7	80 - 60	ROHN 3 EH	20.0000	2.4128	K=1.00 25.5	3.0159	-79319.70	129425.00	0.613 [1]
T8	60 - 40	ROHN 3 EH	20.0000	0.6146	K=1.00 6.5	3.0159	-73746.40	135299.00	0.545 [1]
T9	40 - 20	ROHN 3 EH	20.0000	2.4128	K=1.00 51.0	3.0159	-72150.20	112247.00	0.643 [1]
T10	20 - 5	ROHN 3 EH	15.0000	2.3837	K=2.00 50.3	3.0159	-72399.90	112758.00	0.642 [1]
T11	5 - 0	ROHN 3 EH	5.3758	1.5530	K=2.00 16.4	3.0159	-77643.20	133074.00	0.583 [1]
					K=1.00				

[1] P_u / P_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	4.2760	1.7903	71.2 K=1.30	0.9380	-2614.63	23271.00	0.112 [1]
T2	180 - 160	L2x2x1/4	4.1854	1.7482	70.2 K=1.31	0.9380	-9121.48	23439.60	0.389 [1]
T3	160 - 140	L2x2x1/4	4.1854	1.8263	72.0 K=1.29	0.9380	-5593.57	23126.00	0.242 [1]
T4	140 - 120	ROHN TS1.5x11 ga	4.1854	3.8922	95.4 K=1.00	0.5202	-2096.36	11248.50	0.186 [1]
T5	120 - 100	L2x2x1/4	4.1854	1.7163	69.5 K=1.32	0.9380	-4866.45	23566.40	0.206 [1]
T6	100 - 80	ROHN TS1.5x16 ga	4.1854	3.8285	90.0 K=1.00	0.2627	-2363.85	6036.49	0.392 [1]
T7	80 - 60	L1 3/4x1 3/4x3/16	4.1854	1.7944	77.0 K=1.23	0.6211	-3746.62	14725.30	0.254 [1]
T8	60 - 40	ROHN TS1.5x11 ga	4.1854	3.8285	93.8 K=1.00	0.5202	-3155.45	11454.50	0.275 [1]
T9	40 - 20	ROHN TS1.5x16 ga	4.1854	3.8285	90.0 K=1.00	0.2627	-1899.35	6036.49	0.315 [1]
T10	20 - 5	ROHN TS1.5x11 ga	4.1687	3.8132	93.4 K=1.00	0.5202	-1809.95	11503.90	0.157 [1]

[1] P_u / P_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T2	180 - 160	L2x2x1/4	3.4200	2.9408	89.0 K=1.54	0.9380	-4735.26	23661.20	0.200 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T3	160 - 140	L2x2x1/4	3.4200	2.9408	89.0 K=1.54	0.9380	-1465.70	23661.20	0.062 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.8888	88.5 K=1.55	0.9380	-2271.74	23819.30	0.095 [1]

[1] P_u / P_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	3.4200	2.7846	102.7 K=1.20	0.9380	-14.71	17436.60	0.001 [1]
T2	180 - 160	L2x2x1/4	3.4200	2.7846	102.7 K=1.20	0.9380	-1559.55	17436.60	0.089 [1]
T3	160 - 140	ROHN TS1.5x11 ga	3.4200	3.1804	77.9 K=1.00	0.5202	-1465.70	13543.10	0.108 [1]
T4	140 - 120	ROHN TS1.5x11 ga	3.4200	3.1804	77.9 K=1.00	0.5202	-1221.15	13543.10	0.090 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.7325	101.9 K=1.22	0.9380	-1640.30	17587.40	0.093 [1]
T6	100 - 80	ROHN TS1.5x16 ga	3.4200	3.1283	73.6 K=1.00	0.2627	-1601.65	7122.75	0.225 [1]
T7	80 - 60	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1373.86	13708.20	0.100 [1]
T8	60 - 40	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1277.32	13708.20	0.093 [1]
T9	40 - 20	ROHN TS1.5x16 ga	3.4200	3.1283	73.6 K=1.00	0.2627	-1253.34	7122.75	0.176 [1]
T10	20 - 5	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1254.00	13708.20	0.091 [1]
T11	5 - 0	L3x3x1/2	3.3060	3.0143	91.0 K=1.47	2.7500	-1418.50	57633.60	0.025 [1]

[1] P_u / P_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	3.4200	2.7846	102.7 K=1.20	0.9380	-807.84	17436.60	0.046 [1]
T2	180 - 160	L2x2x1/4	3.4200	2.7846	102.7 K=1.20	0.9380	-4490.52	17436.60	0.258 [1]
T3	160 - 140	ROHN TS1.5x11 ga	3.4200	3.1804	77.9 K=1.00	0.5202	-1465.70	13543.10	0.108 [1]
T4	140 - 120	ROHN TS1.5x11 ga	3.4200	3.1804	77.9 K=1.00	0.5202	-1221.15	13543.10	0.090 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.7325	101.9	0.9380	-1640.30	17587.40	0.093 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T6	100 - 80	ROHN TS1.5x16 ga	3.4200	3.1283	K=1.22 73.6 K=1.00	0.2627	-1601.65	7122.75	0.225 [1]
T7	80 - 60	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1373.86	13708.20	0.100 [1]
T8	60 - 40	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1277.32	13708.20	0.093 [1]
T9	40 - 20	ROHN TS1.5x16 ga	3.4200	3.1283	73.6 K=1.00	0.2627	-1253.34	7122.75	0.176 [1]
T10	20 - 5	ROHN TS1.5x11 ga	3.4200	3.1283	76.7 K=1.00	0.5202	-1254.00	13708.20	0.091 [1]
T11	5 - 0	L3x3x1/2	0.3420	0.0503	60.5 K=58.51	2.7500	-3242.22	73476.00	0.044 [1]

[1] P_u / P_n controls

Mid Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T11	5 - 0	L3x3x1/2	2.3180	2.0263	80.8 K=1.94	2.7500	-665.00	63174.80	0.011 [1]

[1] P_u / P_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T2	180 - 160 (588)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-8706.53	426878.00	0.020
T2	180 - 160 (589)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-8695.24	426878.00	0.020
T2	180 - 160 (592)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-8415.17	426878.00	0.020
T2	180 - 160 (593)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-686.10	426878.00	0.002
T2	180 - 160 (596)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-504.74	426878.00	0.001
T2	180 - 160 (597)	C15x50	3.4150	3.2952	45.6 K=1.00	14.7000	-754.32	426878.00	0.002
T5	120 - 100 (600)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-3832.14	292246.00	0.013
T5	120 - 100 (601)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-3833.91	292246.00	0.013
T5	120 - 100 (604)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-3539.19	292246.00	0.012
T5	120 - 100 (605)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-2913.37	292246.00	0.010

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T5	120 - 100 (608)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-3164.59	292246.00	0.011
T5	120 - 100 (609)	C15x33.9	3.4150	3.2692	43.4 K=1.00	9.9600	-2632.29	292246.00	0.009
T7	80 - 60 (612)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-2132.34	208448.00	0.010
T7	80 - 60 (613)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-2680.26	208448.00	0.013
T7	80 - 60 (616)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-2378.76	208448.00	0.011
T7	80 - 60 (617)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-2006.28	208448.00	0.010
T7	80 - 60 (620)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-394.09	208448.00	0.002
T7	80 - 60 (621)	C12x25	3.4150	3.2692	50.3 K=1.00	7.3500	-419.06	208448.00	0.002

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	M_{nx} kip-ft	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy} kip-ft	M_{ny} kip-ft	Ratio $\frac{M_{uy}}{M_{ny}}$
T2	180 - 160 (588)	C15x50	-69.90	184.14	0.380	0.00	15.31	0.000
T2	180 - 160 (589)	C15x50	-69.76	184.14	0.379	-0.00	15.31	0.000
T2	180 - 160 (592)	C15x50	-67.80	184.14	0.368	0.00	15.31	0.000
T2	180 - 160 (593)	C15x50	-70.82	184.14	0.385	-0.00	15.31	0.000
T2	180 - 160 (596)	C15x50	-68.78	184.14	0.374	-0.00	15.31	0.000
T2	180 - 160 (597)	C15x50	-70.68	184.14	0.384	0.00	15.31	0.000
T5	120 - 100 (600)	C15x33.9	-30.57	136.08	0.225	0.00	12.60	0.000
T5	120 - 100 (601)	C15x33.9	-30.56	136.08	0.225	-0.00	12.60	0.000
T5	120 - 100 (604)	C15x33.9	-28.83	136.08	0.212	0.00	12.60	0.000
T5	120 - 100 (605)	C15x33.9	-29.18	136.08	0.214	-0.00	12.60	0.000
T5	120 - 100 (608)	C15x33.9	-26.66	136.08	0.196	-0.00	12.60	0.000
T5	120 - 100 (609)	C15x33.9	-26.91	136.08	0.198	-0.00	12.60	0.000
T7	80 - 60 (612)	C12x25	-12.45	78.78	0.158	0.00	7.61	0.000
T7	80 - 60 (613)	C12x25	-11.83	78.78	0.150	-0.00	7.61	0.000
T7	80 - 60 (616)	C12x25	-10.98	78.78	0.139	0.00	7.61	0.000
T7	80 - 60 (617)	C12x25	-12.44	78.78	0.158	-0.00	7.61	0.000
T7	80 - 60 (620)	C12x25	-11.30	78.78	0.143	-0.00	7.61	0.000
T7	80 - 60 (621)	C12x25	-12.18	78.78	0.155	0.00	7.61	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{P_n}$	Ratio $\frac{M_{ux}}{M_{nx}}$	Ratio $\frac{M_{uy}}{M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T2	180 - 160 (588)	C15x50	0.020	0.380	0.000	0.390	1.000	4.8.1
T2	180 - 160 (589)	C15x50	0.020	0.379	0.000	0.389	1.000	4.8.1
T2	180 - 160 (592)	C15x50	0.020	0.368	0.000	0.378	1.000	4.8.1
T2	180 - 160 (593)	C15x50	0.002	0.385	0.000	0.385	1.000	4.8.1
T2	180 - 160 (596)	C15x50	0.001	0.374	0.000	0.374	1.000	4.8.1
T2	180 - 160 (597)	C15x50	0.002	0.384	0.000	0.385	1.000	4.8.1

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{P_n}$	Ratio $\frac{M_{ux}}{M_{nx}}$	Ratio $\frac{M_{uy}}{M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T5	120 - 100 (600)	C15x33.9	0.013	0.225	0.000	0.231	1.000	4.8.1
T5	120 - 100 (601)	C15x33.9	0.013	0.225	0.000	0.231	1.000	4.8.1
T5	120 - 100 (604)	C15x33.9	0.012	0.212	0.000	0.218	1.000	4.8.1
T5	120 - 100 (605)	C15x33.9	0.010	0.214	0.000	0.219	1.000	4.8.1
T5	120 - 100 (608)	C15x33.9	0.011	0.196	0.000	0.201	1.000	4.8.1
T5	120 - 100 (609)	C15x33.9	0.009	0.198	0.000	0.202	1.000	4.8.1
T7	80 - 60 (612)	C12x25	0.010	0.158	0.000	0.163	1.000	4.8.1
T7	80 - 60 (613)	C12x25	0.013	0.150	0.000	0.157	1.000	4.8.1
T7	80 - 60 (616)	C12x25	0.011	0.139	0.000	0.145	1.000	4.8.1
T7	80 - 60 (617)	C12x25	0.010	0.158	0.000	0.163	1.000	4.8.1
T7	80 - 60 (620)	C12x25	0.002	0.143	0.000	0.144	1.000	4.8.1
T7	80 - 60 (621)	C12x25	0.002	0.155	0.000	0.156	1.000	4.8.1

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	ROHN 2.5 EH	13.0000	0.0833	1.1	2.2535	12567.40	101409.00	0.124 [1]
T2	180 - 160	ROHN 2.5 EH - Upgrade - DestekBoston	20.0000	1.2064	16.2	2.9621	77028.30	133296.00	0.578 [1]
T3	160 - 140	ROHN 2.5 EH - Upgrade - DestekBoston	20.0000	0.6146	8.3	2.9621	35637.20	133296.00	0.267 [1]
T4	140 - 120	ROHN 2.5 EH	20.0000	0.6146	8.0	2.2535	2393.47	101409.00	0.024 [1]
T5	120 - 100	ROHN 3 EH	20.0000	1.2064	12.7	3.0159	19163.40	135717.00	0.141 [1]

[1] P_u / P_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	4.2760	1.7903	39.2	0.5629	2477.93	24485.10	0.101 [1]
T2	180 - 160	L2x2x1/4	4.1854	1.7482	38.3	0.5629	8362.69	24485.10	0.342 [1]
T3	160 - 140	L2x2x1/4	4.1854	1.8263	38.3	0.5629	4659.96	24485.10	0.190 [1]
T4	140 - 120	ROHN TS1.5x11 ga	4.1854	3.8922	95.4	0.5202	1250.14	19665.40	0.064 [1]
T5	120 - 100	L2x2x1/4	4.1854	1.7163	37.7	0.5629	2578.62	24485.10	0.105 [1]
T6	100 - 80	ROHN TS1.5x16 ga	4.1854	3.8285	90.0	0.2627	1730.56	9931.96	0.174 [1]
T7	80 - 60	L1 3/4x1 3/4x3/16	4.1854	1.7944	42.8	0.3604	2520.88	15675.30	0.161 [1]
T8	60 - 40	ROHN TS1.5x11 ga	4.1854	3.8285	93.8	0.5202	2074.12	19665.40	0.105 [1]
T9	40 - 20	ROHN TS1.5x16 ga	4.1854	3.8285	90.0	0.2627	1470.14	9931.96	0.148 [1]
T10	20 - 5	ROHN TS1.5x11 ga	4.1687	3.8132	93.4	0.5202	1992.56	19665.40	0.101 [1]

[1] P_u / P_n controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T2	180 - 160	L2x2x1/4	3.4200	2.9408	62.7	0.5629	5278.92	27440.20	0.192 [1]
T3	160 - 140	L2x2x1/4	3.4200	2.9408	62.7	0.5629	2365.58	27440.20	0.086 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.8888	61.6	0.5629	4054.64	27440.20	0.148 [1]

[1] P_u / P_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	3.4200	2.7846	62.7	0.5629	16.68	24485.10	0.001 [1]
T2	180 - 160	L2x2x1/4	3.4200	2.7846	62.7	0.5629	1559.55	24485.10	0.064 [1]
T3	160 - 140	ROHN TS1.5x11 ga	3.4200	3.1804	77.9	0.5202	1465.70	19665.40	0.075 [1]
T4	140 - 120	ROHN TS1.5x11 ga	3.4200	3.1804	77.9	0.5202	1221.15	19665.40	0.062 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.7325	61.6	0.5629	1640.30	24485.10	0.067 [1]
T6	100 - 80	ROHN TS1.5x16 ga	3.4200	3.1283	73.6	0.2627	1601.65	9931.96	0.161 [1]
T7	80 - 60	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	1373.86	19665.40	0.070 [1]
T8	60 - 40	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	1277.32	19665.40	0.065 [1]
T9	40 - 20	ROHN TS1.5x16 ga	3.4200	3.1283	73.6	0.2627	1253.34	9931.96	0.126 [1]
T10	20 - 5	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	1254.00	19665.40	0.064 [1]
T11	5 - 0	L3x3x1/2	3.3060	3.0143	40.3	2.7500	12207.50	89100.00	0.137 [1]

[1] P_u / P_n controls

Bottom Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
T1	193 - 180	L2x2x1/4	3.4200	2.7846	62.7	0.5629	888.45	24485.10	0.036 [1]
T2	180 - 160	L2x2x1/4	3.4200	2.7846	62.7	0.5629	5630.88	24485.10	0.230 [1]
T3	160 - 140	ROHN TS1.5x11 ga	3.4200	3.1804	77.9	0.5202	1465.70	19665.40	0.075 [1]
T4	140 - 120	ROHN TS1.5x11 ga	3.4200	3.1804	77.9	0.5202	1221.15	19665.40	0.062 [1]
T5	120 - 100	L2x2x1/4	3.4200	2.7325	61.6	0.5629	2468.14	24485.10	0.101 [1]
T6	100 - 80	ROHN TS1.5x16 ga	3.4200	3.1283	73.6	0.2627	1601.65	9931.96	0.161 [1]
T7	80 - 60	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	1528.25	19665.40	0.078 [1]
T8	60 - 40	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	1277.32	19665.40	0.065 [1]
T9	40 - 20	ROHN TS1.5x16 ga	3.4200	3.1283	73.6	0.2627	1253.34	9931.96	0.126 [1]
T10	20 - 5	ROHN TS1.5x11 ga	3.4200	3.1283	76.7	0.5202	4502.52	19665.40	0.229 [1]

[1] P_u / P_n controls

Mid Girt Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	P_n	Ratio $\frac{P_u}{P_n}$
	ft		ft	ft		in^2	lb	lb	
T11	5 - 0	L3x3x1/2	1.3300	1.0383	13.9	2.7500	85.13	89100.00	0.001 [1]

[1] P_u / P_n controls

Torque-Arm Top Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	P_n	Ratio $\frac{P_u}{P_n}$
	ft		ft	ft		in^2	lb	lb	
T2	180 - 160 (588)	C15x50	3.4150	3.2952	45.6	14.7000	7373.89	476280.00	0.015
T2	180 - 160 (589)	C15x50	3.4150	3.2952	45.6	14.7000	36.12	476280.00	0.000
T2	180 - 160 (592)	C15x50	3.4150	3.2952	45.6	14.7000	53.32	476280.00	0.000
T2	180 - 160 (593)	C15x50	3.4150	3.2952	45.6	14.7000	7338.62	476280.00	0.015
T2	180 - 160 (596)	C15x50	3.4150	3.2952	45.6	14.7000	8087.29	476280.00	0.017
T2	180 - 160 (597)	C15x50	3.4150	3.2952	45.6	14.7000	7947.05	476280.00	0.017
T5	120 - 100 (600)	C15x33.9	3.4150	3.2692	43.4	9.9600	86.30	322704.00	0.000
T5	120 - 100 (601)	C15x33.9	3.4150	3.2692	43.4	9.9600	540.58	322704.00	0.002
T5	120 - 100 (604)	C15x33.9	3.4150	3.2692	43.4	9.9600	3597.61	322704.00	0.011
T5	120 - 100 (605)	C15x33.9	3.4150	3.2692	43.4	9.9600	19.78	322704.00	0.000
T5	120 - 100 (608)	C15x33.9	3.4150	3.2692	43.4	9.9600	3635.27	322704.00	0.011
T5	120 - 100 (609)	C15x33.9	3.4150	3.2692	43.4	9.9600	16.20	322704.00	0.000
T7	80 - 60 (612)	C12x25	3.4150	3.2692	50.3	7.3500	1092.94	238140.00	0.005
T7	80 - 60 (613)	C12x25	3.4150	3.2692	50.3	7.3500	1114.19	238140.00	0.005
T7	80 - 60 (616)	C12x25	3.4150	3.2692	50.3	7.3500	1064.86	238140.00	0.004
T7	80 - 60 (617)	C12x25	3.4150	3.2692	50.3	7.3500	1057.39	238140.00	0.004
T7	80 - 60 (620)	C12x25	3.4150	3.2692	50.3	7.3500	2172.10	238140.00	0.009
T7	80 - 60 (621)	C12x25	3.4150	3.2692	50.3	7.3500	2327.43	238140.00	0.010

Torque-Arm Top Bending Design Data

Section No.	Elevation	Size	M_{ux}	M_{nx}	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy}	M_{ny}	Ratio $\frac{M_{uy}}{M_{ny}}$
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
T2	180 - 160 (588)	C15x50	-59.55	184.14	0.323	0.00	15.31	0.000
T2	180 - 160 (589)	C15x50	-67.47	184.14	0.366	0.00	15.31	0.000
T2	180 - 160 (592)	C15x50	-67.36	184.14	0.366	-0.00	15.31	0.000
T2	180 - 160 (593)	C15x50	-60.53	184.14	0.329	-0.00	15.31	0.000
T2	180 - 160 (596)	C15x50	-62.97	184.14	0.342	0.00	15.31	0.000
T2	180 - 160 (597)	C15x50	-62.86	184.14	0.341	0.00	15.31	0.000
T5	120 - 100 (600)	C15x33.9	-29.70	136.08	0.218	0.00	12.60	0.000
T5	120 - 100 (601)	C15x33.9	-27.56	136.08	0.203	0.00	12.60	0.000
T5	120 - 100 (604)	C15x33.9	-27.57	136.08	0.203	-0.00	12.60	0.000
T5	120 - 100 (605)	C15x33.9	-31.49	136.08	0.231	-0.00	12.60	0.000
T5	120 - 100 (608)	C15x33.9	-29.52	136.08	0.217	-0.00	12.60	0.000
T5	120 - 100 (609)	C15x33.9	-31.48	136.08	0.231	0.00	12.60	0.000
T7	80 - 60 (612)	C12x25	-10.20	78.78	0.129	0.00	7.61	0.000
T7	80 - 60 (613)	C12x25	-10.16	78.78	0.129	0.00	7.61	0.000
T7	80 - 60 (616)	C12x25	-10.17	78.78	0.129	0.00	7.61	0.000
T7	80 - 60 (617)	C12x25	-10.19	78.78	0.129	0.00	7.61	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	M_{nx} kip-ft	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy} kip-ft	M_{ny} kip-ft	Ratio $\frac{M_{uy}}{M_{ny}}$
T7	80 - 60 (620)	C12x25	-10.86	78.78	0.138	-0.00	7.61	0.000
T7	80 - 60 (621)	C12x25	-11.05	78.78	0.140	-0.00	7.61	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{P_n}$	Ratio $\frac{M_{ux}}{M_{nx}}$	Ratio $\frac{M_{uy}}{M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T2	180 - 160 (588)	C15x50	0.015	0.323	0.000	0.331	1.000	4.8.1
T2	180 - 160 (589)	C15x50	0.000	0.366	0.000	0.366	1.000	4.8.1
T2	180 - 160 (592)	C15x50	0.000	0.366	0.000	0.366	1.000	4.8.1
T2	180 - 160 (593)	C15x50	0.015	0.329	0.000	0.336	1.000	4.8.1
T2	180 - 160 (596)	C15x50	0.017	0.342	0.000	0.350	1.000	4.8.1
T2	180 - 160 (597)	C15x50	0.017	0.341	0.000	0.350	1.000	4.8.1
T5	120 - 100 (600)	C15x33.9	0.000	0.218	0.000	0.218	1.000	4.8.1
T5	120 - 100 (601)	C15x33.9	0.002	0.203	0.000	0.203	1.000	4.8.1
T5	120 - 100 (604)	C15x33.9	0.011	0.203	0.000	0.208	1.000	4.8.1
T5	120 - 100 (605)	C15x33.9	0.000	0.231	0.000	0.231	1.000	4.8.1
T5	120 - 100 (608)	C15x33.9	0.011	0.217	0.000	0.223	1.000	4.8.1
T5	120 - 100 (609)	C15x33.9	0.000	0.231	0.000	0.231	1.000	4.8.1
T7	80 - 60 (612)	C12x25	0.005	0.129	0.000	0.132	1.000	4.8.1
T7	80 - 60 (613)	C12x25	0.005	0.129	0.000	0.131	1.000	4.8.1
T7	80 - 60 (616)	C12x25	0.004	0.129	0.000	0.131	1.000	4.8.1
T7	80 - 60 (617)	C12x25	0.004	0.129	0.000	0.132	1.000	4.8.1
T7	80 - 60 (620)	C12x25	0.009	0.138	0.000	0.142	1.000	4.8.1
T7	80 - 60 (621)	C12x25	0.010	0.140	0.000	0.145	1.000	4.8.1

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T1	193 - 180	Leg	ROHN 2.5 EH	2	-16193.50	101401.00	16.0	Pass
T2	180 - 160	Leg	ROHN 2.5 EH - Upgrade - DestekBoston	40	-90040.40	130759.00	68.9	Pass
T3	160 - 140	Leg	ROHN 2.5 EH - Upgrade - DestekBoston	123	-84622.00	132633.00	63.8	Pass
T4	140 - 120	Leg	ROHN 2.5 EH	203	-68730.60	94385.00	72.8	Pass
T5	120 - 100	Leg	ROHN 3 EH	259	-94702.70	134116.00	70.6	Pass
T6	100 - 80	Leg	ROHN 3 EH	340	-90122.90	129425.00	69.6	Pass
T7	80 - 60	Leg	ROHN 3 EH	397	-79319.70	129425.00	61.3	Pass
T8	60 - 40	Leg	ROHN 3 EH	454	-73746.40	135299.00	54.5	Pass
T9	40 - 20	Leg	ROHN 3 EH	512	-72150.20	112247.00	64.3	Pass
T10	20 - 5	Leg	ROHN 3 EH	545	-72399.90	112758.00	64.2	Pass
T11	5 - 0	Leg	ROHN 3 EH	572	-77643.20	133074.00	58.3	Pass
T1	193 - 180	Diagonal	L2x2x1/4	10	-2614.63	23271.00	11.2 15.1 (b)	Pass
T2	180 - 160	Diagonal	L2x2x1/4	70	-9121.48	23439.60	38.9 50.8 (b)	Pass
T3	160 - 140	Diagonal	L2x2x1/4	197	-5593.57	23126.00	24.2 51.2 (b)	Pass
T4	140 - 120	Diagonal	ROHN TS1.5x11 ga	214	-2096.36	11248.50	18.6 26.4 (b)	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T5	120 - 100	Diagonal	L2x2x1/4	289	-4866.45	23566.40	20.6	Pass
T6	100 - 80	Diagonal	ROHN TS1.5x16 ga	396	-2363.85	6036.49	39.2	Pass
							41.5 (b)	
T7	80 - 60	Diagonal	L1 3/4x1 3/4x3/16	411	-3746.62	14725.30	25.4	Pass
							43.4 (b)	
T8	60 - 40	Diagonal	ROHN TS1.5x11 ga	509	-3155.45	11454.50	27.5	Pass
							32.5 (b)	
T9	40 - 20	Diagonal	ROHN TS1.5x16 ga	543	-1899.35	6036.49	31.5	Pass
T10	20 - 5	Diagonal	ROHN TS1.5x11 ga	555	-1809.95	11503.90	15.7	Pass
							23.1 (b)	
T2	180 - 160	Secondary Horizontal	L2x2x1/4	65	-4735.26	23661.20	20.0	Pass
							51.7 (b)	
T3	160 - 140	Secondary Horizontal	L2x2x1/4	201	2365.58	27440.20	8.6	Pass
							23.2 (b)	
T5	120 - 100	Secondary Horizontal	L2x2x1/4	284	4054.64	27440.20	14.8	Pass
							39.7 (b)	
T1	193 - 180	Top Girt	L2x2x1/4	5	-14.29	17436.60	0.2	Pass
T2	180 - 160	Top Girt	L2x2x1/4	45	-1559.55	17436.60	8.9	Pass
							9.5 (b)	
T3	160 - 140	Top Girt	ROHN TS1.5x11 ga	125	-1465.70	13543.10	10.8	Pass
							18.4 (b)	
T4	140 - 120	Top Girt	ROHN TS1.5x11 ga	205	-1221.15	13543.10	9.0	Pass
							15.4 (b)	
T5	120 - 100	Top Girt	L2x2x1/4	264	-1640.30	17587.40	9.3	Pass
							10.0 (b)	
T6	100 - 80	Top Girt	ROHN TS1.5x16 ga	345	-1601.65	7122.75	22.5	Pass
							38.4 (b)	
T7	80 - 60	Top Girt	ROHN TS1.5x11 ga	402	-1373.86	13708.20	10.0	Pass
							17.3 (b)	
T8	60 - 40	Top Girt	ROHN TS1.5x11 ga	459	-1277.32	13708.20	9.3	Pass
							16.1 (b)	
T9	40 - 20	Top Girt	ROHN TS1.5x16 ga	514	-1253.34	7122.75	17.6	Pass
							30.1 (b)	
T10	20 - 5	Top Girt	ROHN TS1.5x11 ga	547	-1254.00	13708.20	9.1	Pass
							15.8 (b)	
T11	5 - 0	Top Girt	L3x3x1/2	575	12207.50	89100.00	13.7	Pass
T1	193 - 180	Bottom Girt	L2x2x1/4	8	-807.84	17436.60	4.6	Pass
							5.4 (b)	
T2	180 - 160	Bottom Girt	L2x2x1/4	47	-4490.52	17436.60	25.8	Pass
							34.2 (b)	
T3	160 - 140	Bottom Girt	ROHN TS1.5x11 ga	128	-1465.70	13543.10	10.8	Pass
							18.4 (b)	
T4	140 - 120	Bottom Girt	ROHN TS1.5x11 ga	208	-1221.15	13543.10	9.0	Pass
							15.4 (b)	
T5	120 - 100	Bottom Girt	L2x2x1/4	266	2468.14	24485.10	10.1	Pass
							15.0 (b)	
T6	100 - 80	Bottom Girt	ROHN TS1.5x16 ga	348	-1601.65	7122.75	22.5	Pass
							38.4 (b)	
T7	80 - 60	Bottom Girt	ROHN TS1.5x11 ga	405	-1373.86	13708.20	10.0	Pass
							19.2 (b)	
T8	60 - 40	Bottom Girt	ROHN TS1.5x11 ga	462	-1277.32	13708.20	9.3	Pass
							16.1 (b)	
T9	40 - 20	Bottom Girt	ROHN TS1.5x16 ga	517	-1253.34	7122.75	17.6	Pass
							30.1 (b)	
T10	20 - 5	Bottom Girt	ROHN TS1.5x11 ga	551	4502.52	19665.40	22.9	Pass
							41.4 (b)	
T11	5 - 0	Bottom Girt	L3x3x1/2	578	-3239.52	73476.00	5.9	Pass
T11	5 - 0	Mid Girt	L3x3x1/2	584	-665.00	63174.80	1.1	Pass
T2	180 - 160	Guy A@162.496	3/4	594	27560.40	34980.00	78.8	Pass
T5	120 - 100	Guy A@102.496	5/8	606	12745.20	25440.00	50.1	Pass
T7	80 - 60	Guy A@62.4961	1/2	618	6592.27	16140.00	40.8	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T2	180 - 160	Guy B@162.496	3/4	591	26548.20	34980.00	75.9	Pass
T5	120 - 100	Guy B@102.496	5/8	603	11984.40	25440.00	47.1	Pass
T7	80 - 60	Guy B@62.4961	1/2	615	6146.67	16140.00	38.1	Pass
T2	180 - 160	Guy C@162.496	3/4	587	27612.40	34980.00	78.9	Pass
T5	120 - 100	Guy C@102.496	5/8	599	12745.40	25440.00	50.1	Pass
T7	80 - 60	Guy C@62.4961	1/2	610	6601.40	16140.00	40.9	Pass
T2	180 - 160	Torque Arm Top@162.496	C15x50	588	-8706.53	426878.00	39.0	Pass
T5	120 - 100	Torque Arm Top@102.496	C15x33.9	605	-2913.37	292246.00	23.1	Pass
T7	80 - 60	Torque Arm Top@62.4961	C12x25	612	-2132.34	208448.00	16.3	Pass
							Summary	
						Leg (T4)	72.8	Pass
						Diagonal (T3)	51.2	Pass
						Secondary Horizontal (T2)	51.7	Pass
						Top Girt (T6)	38.4	Pass
						Bottom Girt (T10)	41.4	Pass
						Mid Girt (T11)	1.1	Pass
						Guy A (T2)	78.8	Pass
						Guy B (T2)	75.9	Pass
						Guy C (T2)	78.9	Pass
						Torque Arm Top (T2)	39.0	Pass
						Bolt Checks	51.7	Pass
						RATING =	**78.9**	**Pass**

Pier and Pad Foundation

BU # :	
Site Name:	Montville 4 CT
App. Number:	

TIA-222 Revision:	G
Tower Type:	Guyed

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	213.19	kips
Base Shear, Vu_comp:	2.51	kips
Moment, M_u:	0	ft-kips
Tower Height, **H**:	193	ft
BP Dist. Above Fdn, bp_{dist}:	3	in
Bolt Circle / Bearing Plate Width, **BC**:	9	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	2.5	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	7	
Pier Rebar Quantity, **mc**:	6	
Pier Tie/Spiral Size, **St**:	3	
Pier Tie/Spiral Quantity, **mt**:	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	7	ft
Pad Thickness, **T**:	1.75	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	7	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	6	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Net Bearing, Qnet:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:		
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	**Demand**	**Rating**	**Check**
Lateral (Sliding) (kips)	77.08	2.51	**3.3%**	**Pass**
Bearing Pressure (ksf)	7.56	5.31	**70.3%**	**Pass**
*Overturning (kip*ft)*	280.62	14.43	**5.1%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	331.06	9.41	**2.8%**	**Pass**
Pier Compression (kip)	2343.24	216.50	**9.2%**	**Pass**
*Pad Flexure (kip*ft)*	262.17	80.97	**30.9%**	**Pass**
Pad Shear - 1-way (kips)	115.17	27.63	**24.0%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.044	**26.5%**	**Pass**

Structural Rating:	**30.9%**
Soil Rating:	**70.3%**

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

BU#:	
Site Name:	Montville 4 CT
Order Number:	
Location:	Inner

TIA-222 Revision:	G

Design Reactions		
Shear, **S**:	25.74	kips
Uplift, **Ua**:	25.39	kips
Resultant Force, **Rf**:	36.16	kips
Tower Height, **H**:	193.00	ft
Guy Anchor Radius, **R**:	88.00	ft
Resultant Angle to Horizontal, **θ**:	44.6	deg

Guy Anchor Properties		
Depth to Bottom of Deadman, **Da**:	8	ft
Anchor Width, **Wa**:	6	ft
Anchor Thickness, **Ta**:	4	ft
Anchor Length, **La**:	12	ft
Concrete Volume, **Vc**:	10.7	yd^3
Toe Width, **toe**:	0	ft

Material Properties		
Wt. Avg.Concrete Density, **δx**:	0.150	kcf

Design Checks	**Capacity**	**Demand**	**Rating**	**Check**
Lateral Capacity (kips):	77.76	25.74	**33.1%**	**Pass**
Uplift Capacity (kips):	75.73	25.39	**33.5%**	**Pass**

Anchor Shaft Rating:	**N/A**
Structural Rating:	**N/A**
Soil Rating:	**33.5%**

Neglect Depth, **Neg**:	3.33	ft
Groundwater Level, **gw**:	N/A	ft

Soil Properties:			**No. of Soil Layers:**	2		
Layer	**φ, deg**	**cu, ksf**	**δ, pcf**		**Ultimate fs (ksf)**	**N (blows/ft)**
1	0	0.000	120	3.33		
2	30	0.000	120	8.00		

*key: φ = *Internal Angle of Friction*
cu = Cohesion / Undrained Shear Strength
δ = *Buoyant Soil Unit Weight*
d = Depth to Bottom of Layer
Ultimate fs = Geotechnical Report-provided skin friction / adhesion
N = SPT Blow Count

Version 4.0.0

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

BU#:	
Site Name:	Montville 4 CT
Order Number:	
Location:	Outer

TIA-222 Revision:	G

Design Reactions		
Shear, **S**:	34.51	kips
Uplift, **Ua**:	39.65	kips
Resultant Force, **Rf**:	52.56	kips
Tower Height, **H**:	193.00	ft
Guy Anchor Radius, **R**:	140.00	ft
Resultant Angle to Horizontal, **θ**:	49.0	deg

Guy Anchor Properties		
Depth to Bottom of Deadman, **Da**:	10	ft
Anchor Width, **Wa**:	5	ft
Anchor Thickness, **Ta**:	2	ft
Anchor Length, **La**:	9	ft
Concrete Volume, **Vc**:	3.3	yd^3
Toe Width, **toe**:	0	ft

Material Properties		
Wt. Avg.Concrete Density, **δx**:	0.150	kcf

Design Checks	Capacity	Demand	Rating	Check
Lateral Capacity (kips):	43.74	34.51	**78.9%**	**Pass**
Uplift Capacity (kips):	112.57	39.65	**35.2%**	**Pass**

Anchor Shaft Rating:	**N/A**
Structural Rating:	**N/A**
Soil Rating:	**78.9%**

Neglect Depth, **Neg**:	3.33	ft
Groundwater Level, **gw**:	N/A	ft

Soil Properties: No. of Soil Layers: 2

Layer	φ, deg	cu, ksf	δ, pcf		Ultimate fs (ksf)	N (blows/ft)
1	0	0.000	120	3.33		
2	30	0.000	120	10.00		

*key: φ = *Internal Angle of Friction*
cu = Cohesion / Undrained Shear Strength
δ = *Buoyant Soil Unit Weight*
d = Depth to Bottom of Layer
Ultimate fs = Geotechnical Report-provided skin friction / adhesion
N = SPT Blow Count

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Antenna Mount Analysis Report with Hardware Upgrades

Mount Analysis

SMART Tool Project #: 10037938
Maser Consulting Connecticut Project #: 21777019A

August 10, 2021

Site Information	*Site ID:*	*468972-VZW / Montville 4 CT*
	Site Name:	*Montville 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*57 Cook Dr.* *Montville, Connecticut 06353* *New London County*
	Latitude:	*41.474986°*
	Longitude:	*-72.105050°*
Structure Information	*Tower Type:*	*Guyed*
	Mount Type:	*12.50-Ft Sector Frame*

FUZE ID # 16271979

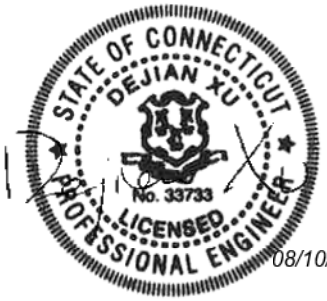
Analysis Results

Sector Frame: **67.2% Pass***

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

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements may also be Noted on A & E drawings

Report Prepared By: Dave Boddie



08/10/2021

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: 324409, dated July 30, 2021*
Mount Mapping Report	*Hudson Design Group, LLC., Site ID: 468972, dated February 25, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.987
Seismic Parameters:	S_S:	0.195
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
168.00	169.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		6	Antel	LPA-80080/4CF	Retained

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 Maser Consulting Connecticut 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 Maser Consulting Connecticut 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 by Maser Consulting Connecticut, 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. Maser Consulting 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 Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Horizontal mount pipe	66.3%	Pass
Standoff Plate	60.6%	Pass
Standoff Horizontal	49.3%	Pass
Standoff Diagonal	5.5%	Pass
Antenna Pipe	19.0%	Pass
Standoff Vertical	67.2%	Pass
Tieback	37.5%	Pass
Collector Pipe	11.6%	Pass
Tower Connection	27.1%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**67.2%**

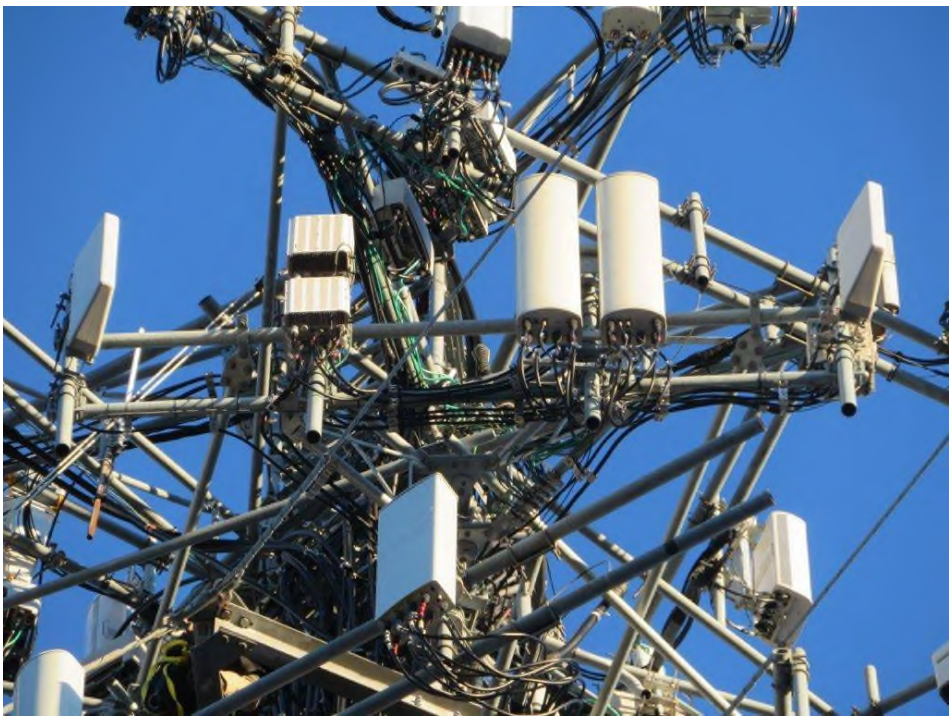
Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special instructions section of the below referenced PMI document, and do not require modifications.

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

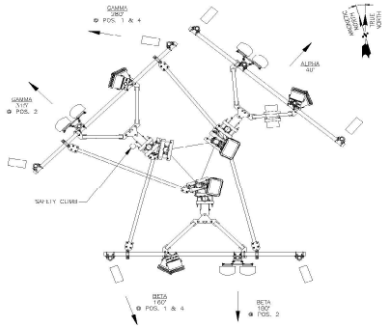


V3.0 Updated on 8-31-2020

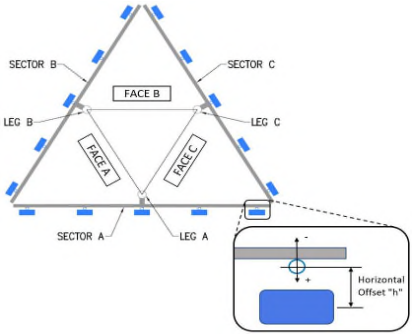
Antenna Mount Mapping Form (PATENT PENDING)

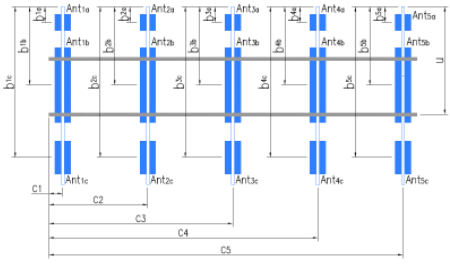
FCC # N/A

Tower Owner:	OTHER	**Mapping Date:**	2/25/2021
Site Name:	MONTVILLE 4 CT	**Tower Type:**	Guyed Tower
Site Number or ID:	468972	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	169.5



ANTENNA PLAN





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2-1/2" STD. X 96" Long	67.00	5.00	C1	Pipe 2-1/2" STD. X 96" Long	67.00	5.00
A2	Pipe 2-1/2" STD. X 96" Long	67.00	51.00	C2	Pipe 2-1/2" STD. X 96" Long	67.00	51.00
A3	Pipe 2-1/2" STD. X 96" Long	67.00	100.00	C3	Pipe 2-1/2" STD. X 96" Long	67.00	100.00
A4	Pipe 2-1/2" STD. X 96" Long	67.00	146.00	C4	Pipe 2-1/2" STD. X 96" Long	67.00	146.00
A5				C5			
A6				C6			
B1	Pipe 2-1/2" STD. X 96" Long	67.00	5.00	D1			
B2	Pipe 2-1/2" STD. X 96" Long	67.00	51.00	D2			
B3	Pipe 2-1/2" STD. X 96" Long	67.00	100.00	D3			
B4	Pipe 2-1/2" STD. X 96" Long	67.00	146.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	5.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	1.7

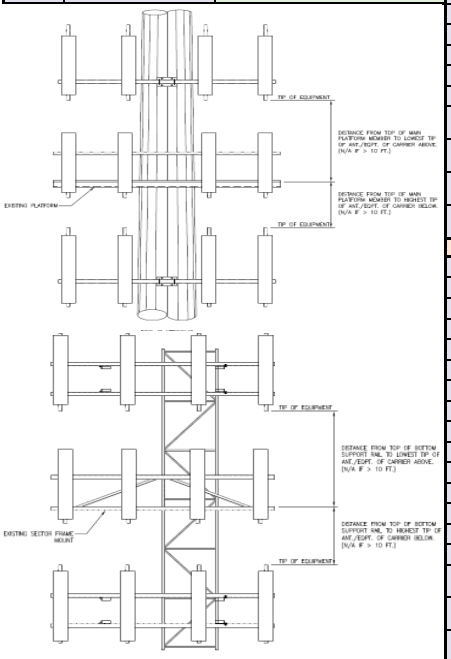
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):	3.2	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	3

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b},..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B66A (RRH)	12.00	7.00	25.50		170.75	47.00	-6.00		93
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	40.00	91
Ant_{1c}										
Ant_{2a}	(2) UBIFIX107U DUP	5.00	4.00	6.00		170.75	47.00			97
Ant_{2b}	(2) SBNHH-ID65B	17.00	7.00	73.00		171.583	37.00	11.00	40.00	99
Ant_{2c}										
Ant_{3a}	B25	12.00	7.00	20.50		173.75	11.00	6.00		104
Ant_{3b}										
Ant_{3c}	B13	12.00	9.00	22.50		170.667	48.00	6.00		105
Ant_{4a}										
Ant_{4b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	40.00	91
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) 700MRRH	9.00	5.00	4.00						114
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-45	15.00	10.00	28.00			50.00			132
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:	50.00	Deg
Sector B:	180.00	Deg	Leg B:	170.00	Deg
Sector C:	315.00	Deg	Leg C:	290.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	290.00	Deg	On Leg C
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was obstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}	B66A (RRH)	12.00	7.00	25.50		170.75	47.00	-6.00		93
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	160.00	91
Ant_{1c}										
Ant_{2a}	(2) UBIFIX107U DUP	5.00	4.00	6.00		170.75	47.00			97
Ant_{2b}	(2) SBNHH-ID65B	17.00	7.00	73.00		171.583	37.00	11.00	180.00	99
Ant_{2c}										
Ant_{3a}	B25	12.00	7.00	20.50		173.75	11.00	6.00		104
Ant_{3b}										
Ant_{3c}	B13	12.00	9.00	22.50		170.667	48.00	6.00		105
Ant_{4a}										
Ant_{4b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	160.00	91
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-45	15.00	10.00	28.00			50.00			132
Ant on Tower										
Sector C										
Ant_{1a}	B66A (RRH)	12.00	7.00	25.50		170.75	47.00	-6.00		93
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	280.00	91
Ant_{1c}										
Ant_{2a}	(2) UBIFIX107U DUP	5.00	4.00	6.00		170.75	47.00			97
Ant_{2b}	(2) SBNHH-ID65B	17.00	7.00	73.00		171.583	37.00	11.00	315.00	99
Ant_{2c}										
Ant_{3a}	B25	12.00	7.00	20.50		173.75	11.00	6.00		104
Ant_{3b}										
Ant_{3c}	B13	12.00	9.00	22.50		170.667	48.00	6.00		105
Ant_{4a}										
Ant_{4b}	LPA80080-4CF-EDIN	6.00	13.00	48.00		171.417	39.00	14.00	280.00	91
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1	Saftey climb obstructed	177
2	(12) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	189
3		
4		
5		
6		
7		
8		

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

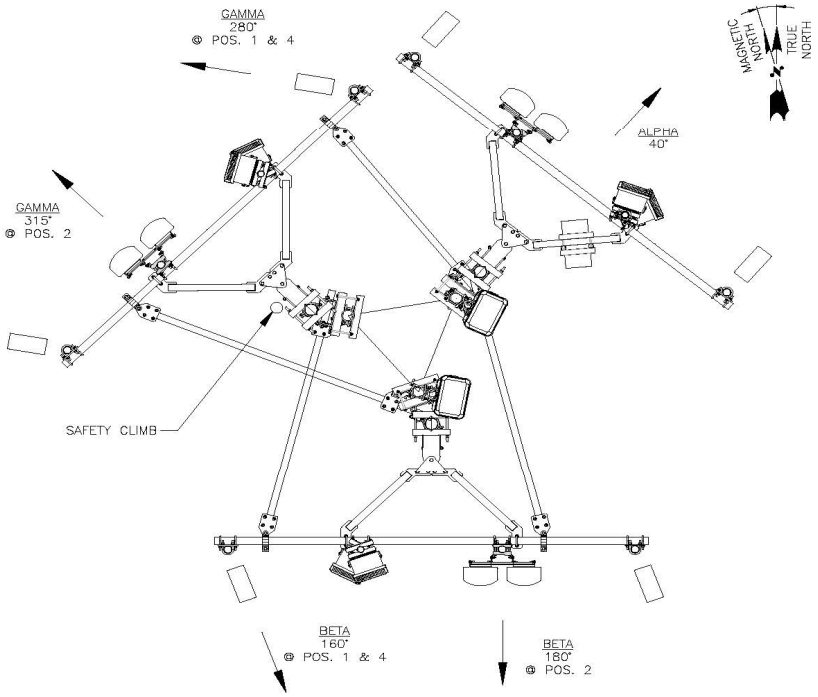
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	OTHER	**Mapping Date:**	2/25/2021
Site Name:	MONTVILLE 4 CT	**Tower Type:**	Guyed Tower
Site Number or ID:	468972	**Tower Height (Ft.):**	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	169.5

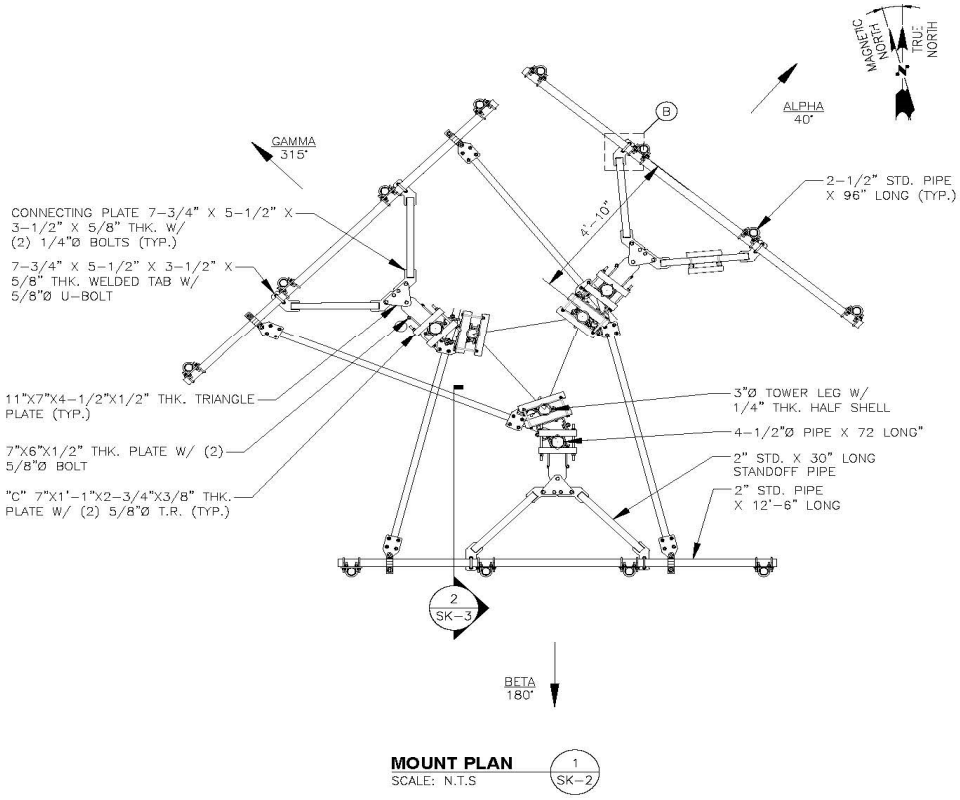
Please Insert Sketches of the Antenna Mount



ANTENNA PLAN 1 / SK-1

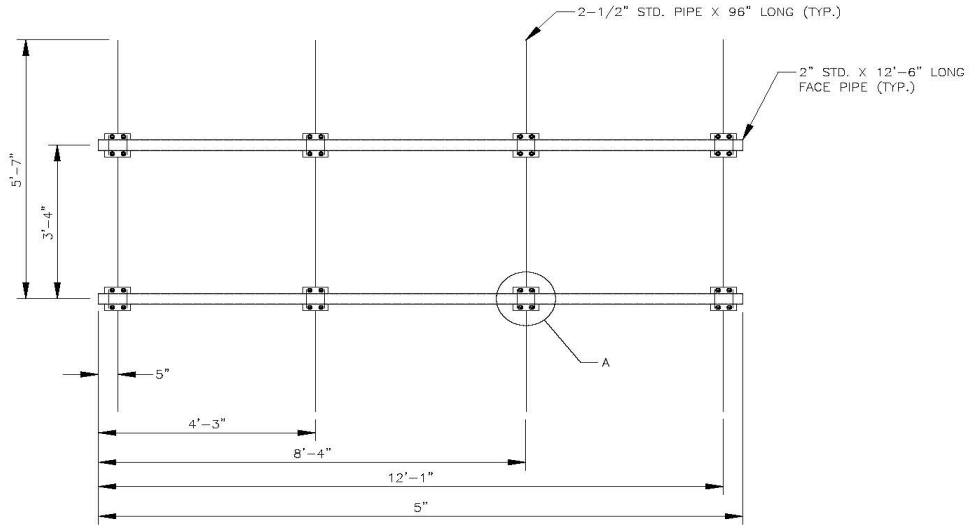
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

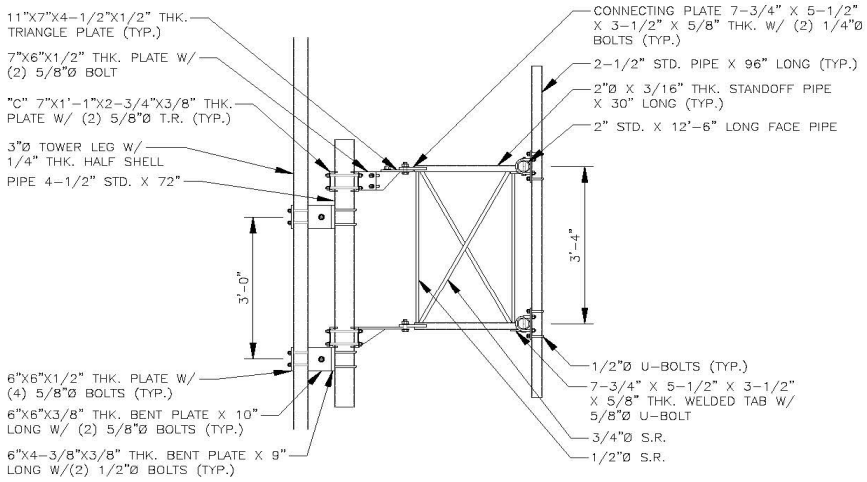


MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

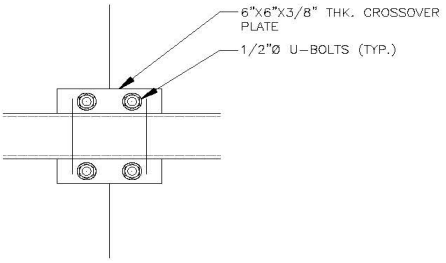


MOUNT FACE ELEVATION 1 / SK-3
SCALE: N.T.S

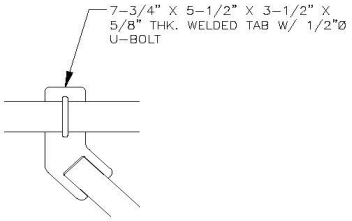


MOUNT SIDE ELEVATION 2 / SK-3
SCALE: N.T.S

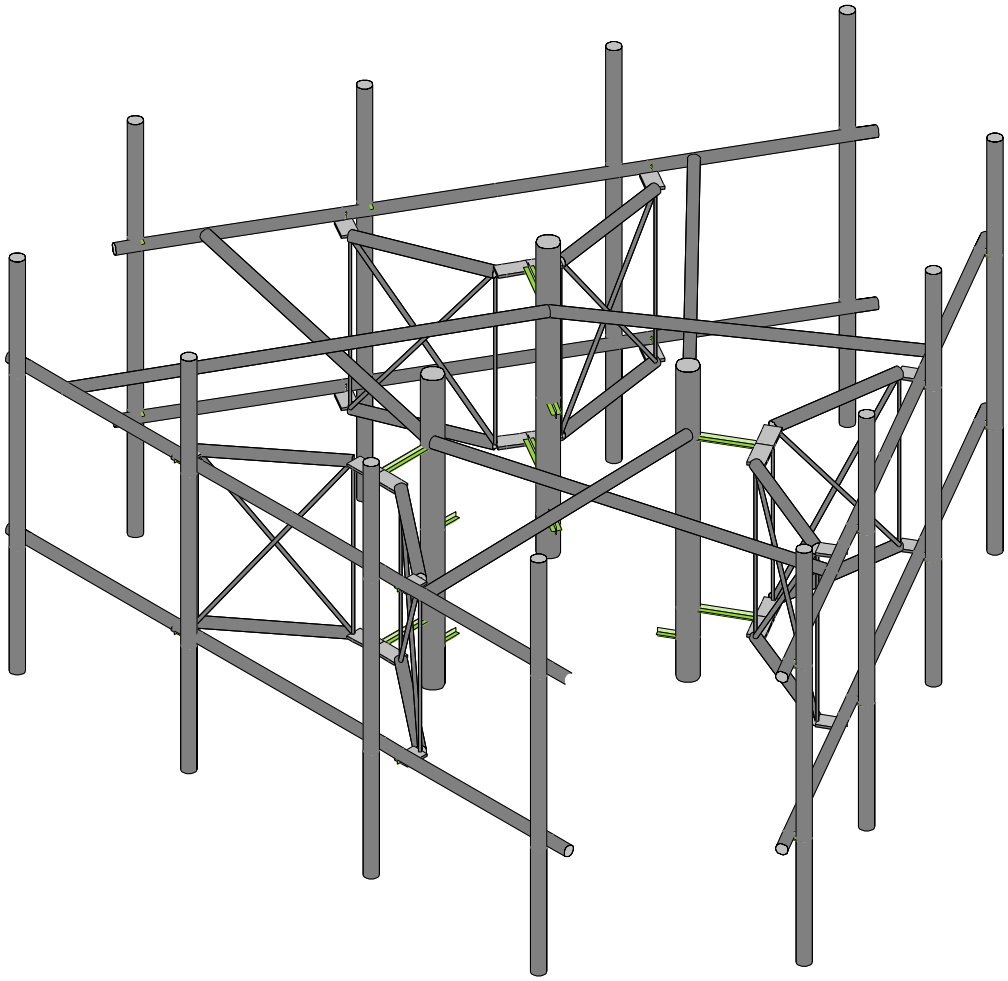
Please Insert Sketches of the Antenna Mount, cont'd



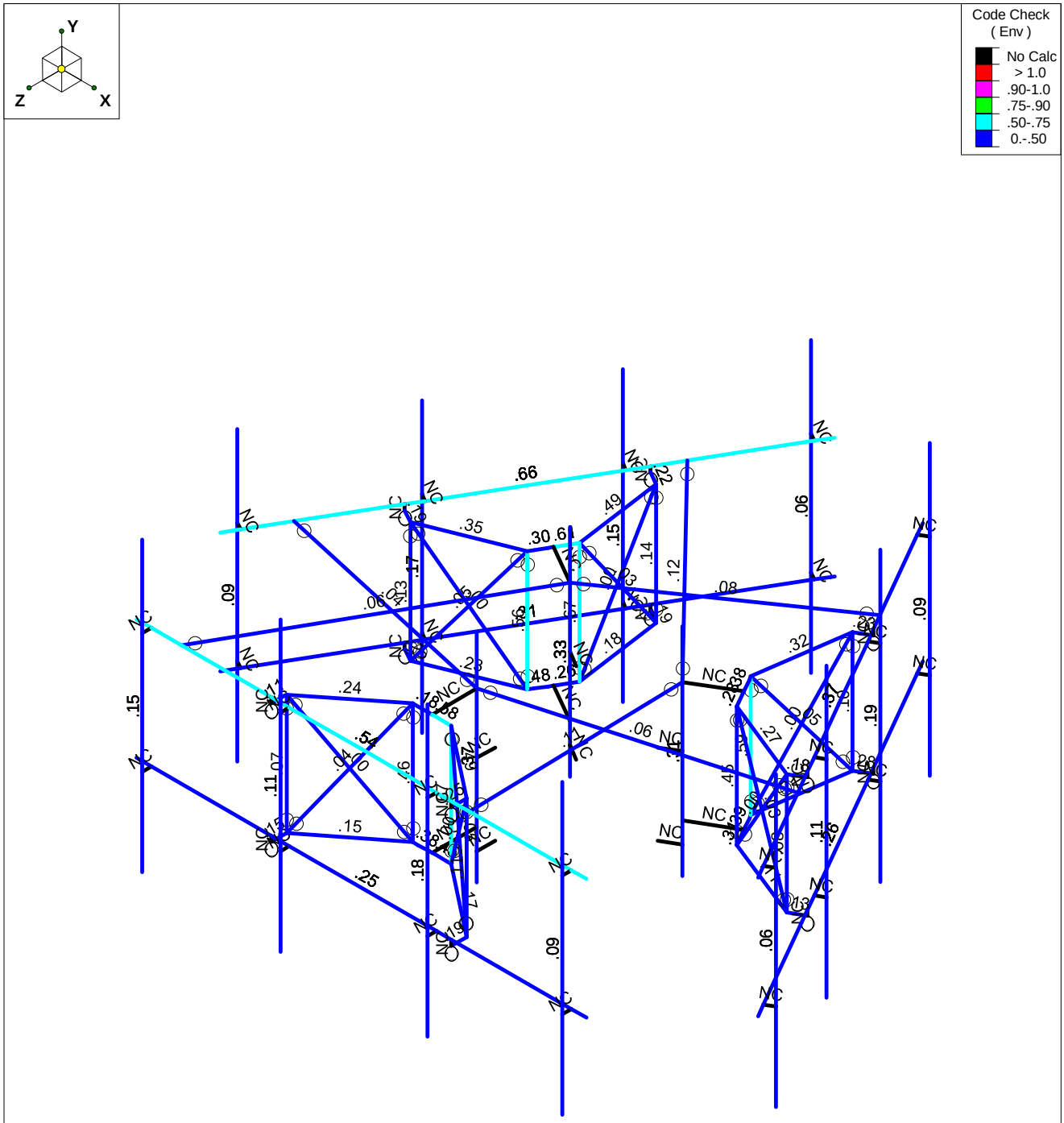
DETAIL A



DETAIL B



Maser Consulting	468972-VZW_MT_LO_H	SK - 1
DAB		Aug 10, 2021 at 9:38 AM
Project No. 21777019A		468972-VZW_MT_LOT_A_H.r3d



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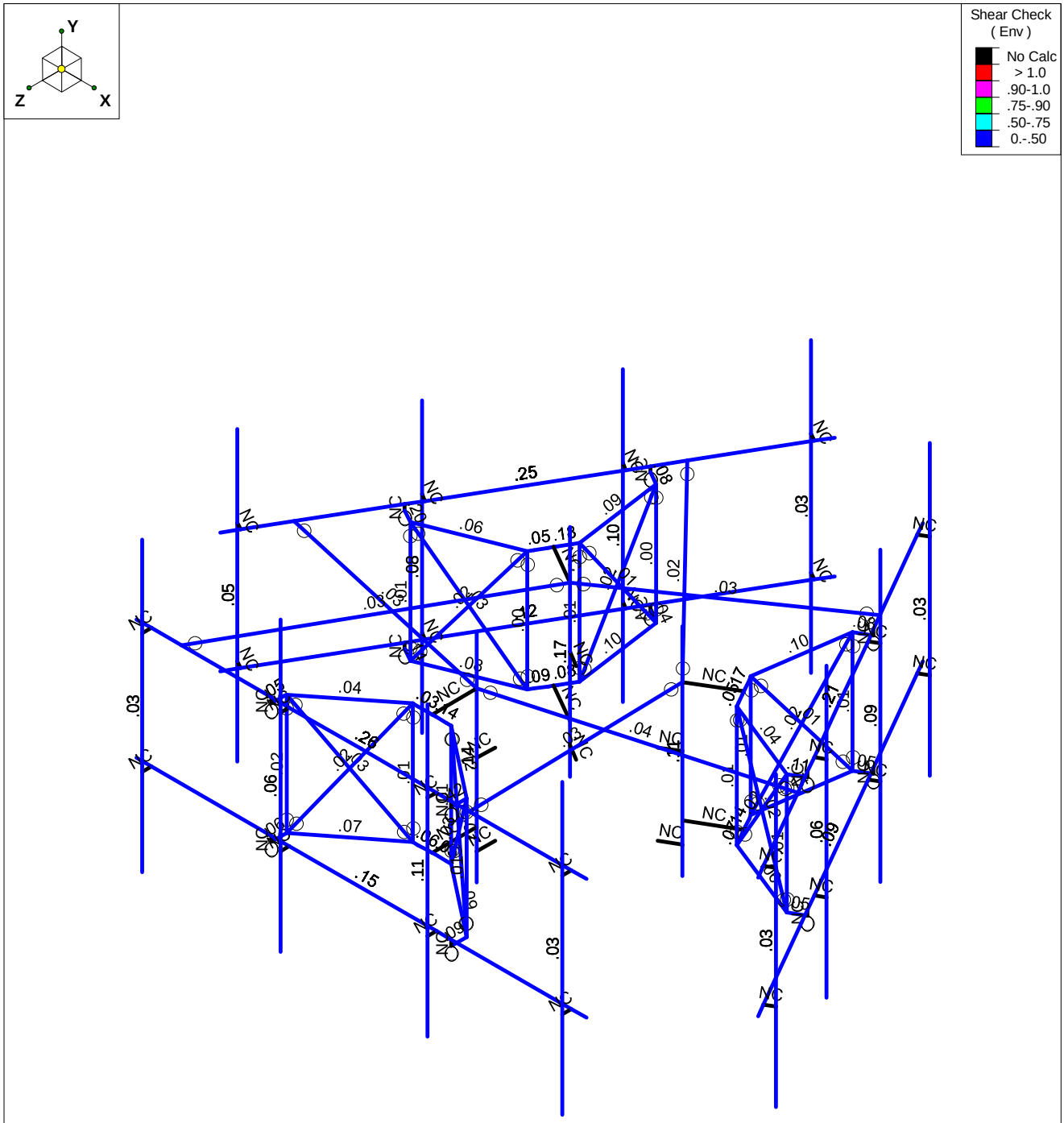
DAB		Aug 10, 2021 at 9:39 AM
Project No. 21777019A		468972-VZW_MT_LOT_A_H.r3d



Maser Consulting	468972-VZW_MT_LO_H	SK - 3
DAB		Aug 10, 2021 at 9:40 AM
Project No. 21777019A		468972-VZW_MT_LOT_A_H.r3d

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
2	M2	N4	N3			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
3	M3	N5	N13			RIGID	None	None	RIGID	Typical
4	M4	N6	N14			RIGID	None	None	RIGID	Typical
5	M5	N8	N16			RIGID	None	None	RIGID	Typical
6	M6	N7	N15			RIGID	None	None	RIGID	Typical
7	M9	N10	N18			RIGID	None	None	RIGID	Typical
8	M10	N9	N17			RIGID	None	None	RIGID	Typical
9	M11	N12	N20			RIGID	None	None	RIGID	Typical
10	M12	N11	N19			RIGID	None	None	RIGID	Typical
11	M13	N22	N26		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
12	M14	N21	N25		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
13	M15	N23	N27		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
14	M16	N24	N28		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
15	M17	N26	N32			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
16	M18	N25	N31			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
17	M19	N27	N33			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
18	M20	N28	N34			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
19	M21	N32	N30		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
20	M22	N34	N30		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
21	M23	N31	N29		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
22	M24	N33	N29		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
23	M25	N31	N26			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
24	M26	N32	N25			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
25	M27	N33	N28			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
26	M28	N27	N34			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
27	M29	N29	N35			RIGID	None	None	RIGID	Typical
28	M30	N30	N36			RIGID	None	None	RIGID	Typical
29	MP4A	N37	N41			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
30	MP3A	N38	N42			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
31	MP2A	N39	N43			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
32	MP1A	N40	N44			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M44	N25	N26			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
34	M45	N31	N32			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
35	M46	N33	N34			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
36	M47	N27	N28			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
37	M47B	N22	N56			RIGID	None	None	RIGID	Typical
38	M48A	N21	N55			RIGID	None	None	RIGID	Typical
39	M49A	N24	N58			RIGID	None	None	RIGID	Typical
40	M50A	N23	N57			RIGID	None	None	RIGID	Typical
41	M43A	N30	N36			RIGID	None	None	RIGID	Typical
42	M44B	N29	N35			RIGID	None	None	RIGID	Typical
43	M45A	N64	N66			Collector Pipe	Column	Pipe	A53 Gr. B	Typical
44	M47A	N67	N68			RIGID	None	None	RIGID	Typical
45	M48	N69	N70			RIGID	None	None	RIGID	Typical
46	M53	N74	N73			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
47	M54	N76	N75			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
48	M55	N77	N85			RIGID	None	None	RIGID	Typical
49	M56	N78	N86			RIGID	None	None	RIGID	Typical
50	M57	N80	N88			RIGID	None	None	RIGID	Typical
51	M58	N79	N87			RIGID	None	None	RIGID	Typical
52	M59	N82	N90			RIGID	None	None	RIGID	Typical
53	M60	N81	N89			RIGID	None	None	RIGID	Typical
54	M61	N84	N92			RIGID	None	None	RIGID	Typical
55	M62	N83	N91			RIGID	None	None	RIGID	Typical
56	M63	N94	N98		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
57	M64	N93	N97		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
58	M65	N95	N99		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
59	M66	N96	N100		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
60	M67	N98	N104			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
61	M68	N97	N103			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
62	M69	N99	N105			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design Rules
63	M70	N100	N106			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
64	M71	N104	N102		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
65	M72	N106	N102		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
66	M73	N103	N101		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
67	M74	N105	N101		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
68	M75	N103	N98			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
69	M76	N104	N97			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
70	M77	N105	N100			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
71	M78	N99	N106			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
72	MP4C	N109	N113			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
73	MP3C	N110	N114			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
74	MP2C	N111	N115			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
75	MP1C	N112	N116			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
76	M83	N97	N98			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
77	M84	N103	N104			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
78	M85	N105	N106			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
79	M86	N99	N100			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
80	M87	N94	N128			RIGID	None	None	RIGID	Typical
81	M88	N93	N127			RIGID	None	None	RIGID	Typical
82	M89	N96	N130			RIGID	None	None	RIGID	Typical
83	M90	N95	N129			RIGID	None	None	RIGID	Typical
84	M93	N102	N108			RIGID	None	None	RIGID	Typical
85	M94	N101	N107			RIGID	None	None	RIGID	Typical
86	M95	N135	N136			Collector Pipe	Column	Pipe	A53 Gr. B	Typical
87	M96	N137	N70A			RIGID	None	None	RIGID	Typical
88	M97	N139	N140			RIGID	None	None	RIGID	Typical
89	M98	N143	N142			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
90	M99	N145	N144			Horizontal mount pipe	Beam	Pipe	A53 Gr. B	Typical
91	M100	N146	N154			RIGID	None	None	RIGID	Typical
92	M101	N147	N155			RIGID	None	None	RIGID	Typical
93	M102	N149	N157			RIGID	None	None	RIGID	Typical
94	M103	N148	N156			RIGID	None	None	RIGID	Typical
95	M104	N151	N159			RIGID	None	None	RIGID	Typical
96	M105	N150	N158			RIGID	None	None	RIGID	Typical
97	M106	N153	N161			RIGID	None	None	RIGID	Typical
98	M107	N152	N160			RIGID	None	None	RIGID	Typical
99	M108	N163	N167		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
100	M109	N162	N166		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
101	M110	N164	N168		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
102	M111	N165	N169		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
103	M112	N167	N173			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
104	M113	N166	N172			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
105	M114	N168	N174			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
106	M115	N169	N175			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
107	M116	N173	N171		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
108	M117	N175	N171		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
109	M118	N172	N170		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
110	M119	N174	N170		90	Standoff Plate	Beam	BAR	A36 Gr.36	Typical
111	M120	N172	N167			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
112	M121	N173	N166			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
113	M122	N174	N169			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
114	M123	N168	N175			Standoff Diagonal	Beam	BAR	A36 Gr.36	Typical
115	MP4B	N178	N182			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
116	MP3B	N179	N183			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
117	MP2B	N180	N184			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
118	MP1B	N181	N185			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
119	M128	N166	N167			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
120	M129	N172	N173			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
121	M130	N174	N175			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
122	M131	N168	N169			Standoff Vertical	Beam	BAR	A36 Gr.36	Typical
123	M132	N163	N197			RIGID	None	None	RIGID	Typical
124	M133	N162	N196			RIGID	None	None	RIGID	Typical
125	M134	N165	N199			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design Rules
126	M135	N164	N198			RIGID	None	None	RIGID	Typical
127	M138	N171	N177			RIGID	None	None	RIGID	Typical
128	M139	N170	N176			RIGID	None	None	RIGID	Typical
129	M140	N204	N205			Collector Pipe	Column	Pipe	A53 Gr. B	Typical
130	M141	N206	N71			RIGID	None	None	RIGID	Typical
131	M142	N208	N209			RIGID	None	None	RIGID	Typical
132	M138A	N199B	N36			Tieback	Beam	Pipe	A53 Gr. B	Typical
133	M138B	N132	N177			Tieback	Beam	Pipe	A53 Gr. B	Typical
134	M138C	N60	N108			Tieback	Beam	Pipe	A53 Gr. B	Typical
135	M138D	N59	N177			Tieback	Beam	Pipe	A53 Gr. B	Typical
136	M138E	N201A	N36			Tieback	Beam	Pipe	A53 Gr. B	Typical
137	M138F	N199A	N108			Tieback	Beam	Pipe	A53 Gr. B	Typical

Joint Loads and Enforced Displacements

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-5.106	-5.106	0	%100
2	M2	Y	-5.106	-5.106	0	%100
3	M13	Y	-6.803	-6.803	0	%100
4	M14	Y	-6.803	-6.803	0	%100
5	M15	Y	-6.803	-6.803	0	%100
6	M16	Y	-6.803	-6.803	0	%100
7	M17	Y	-5.106	-5.106	0	%100
8	M18	Y	-5.106	-5.106	0	%100
9	M19	Y	-5.106	-5.106	0	%100
10	M20	Y	-5.106	-5.106	0	%100
11	M21	Y	-6.803	-6.803	0	%100
12	M22	Y	-6.803	-6.803	0	%100
13	M23	Y	-6.803	-6.803	0	%100
14	M24	Y	-6.803	-6.803	0	%100
15	M25	Y	-2.77	-2.77	0	%100
16	M26	Y	-2.77	-2.77	0	%100
17	M27	Y	-2.77	-2.77	0	%100
18	M28	Y	-2.77	-2.77	0	%100
19	MP4A	Y	-5.825	-5.825	0	%100
20	MP3A	Y	-5.825	-5.825	0	%100
21	MP2A	Y	-5.825	-5.825	0	%100
22	MP1A	Y	-5.825	-5.825	0	%100
23	M44	Y	-2.411	-2.411	0	%100
24	M45	Y	-2.411	-2.411	0	%100
25	M46	Y	-2.411	-2.411	0	%100
26	M47	Y	-2.411	-2.411	0	%100
27	M45A	Y	-8.161	-8.161	0	%100
28	M53	Y	-5.106	-5.106	0	%100
29	M54	Y	-5.106	-5.106	0	%100
30	M63	Y	-6.803	-6.803	0	%100
31	M64	Y	-6.803	-6.803	0	%100
32	M65	Y	-6.803	-6.803	0	%100
33	M66	Y	-6.803	-6.803	0	%100
34	M67	Y	-5.106	-5.106	0	%100
35	M68	Y	-5.106	-5.106	0	%100
36	M69	Y	-5.106	-5.106	0	%100
37	M70	Y	-5.106	-5.106	0	%100
38	M71	Y	-6.803	-6.803	0	%100
39	M72	Y	-6.803	-6.803	0	%100
40	M73	Y	-6.803	-6.803	0	%100
41	M74	Y	-6.803	-6.803	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	M75	Y	-2.77	-2.77	0	%100
43	M76	Y	-2.77	-2.77	0	%100
44	M77	Y	-2.77	-2.77	0	%100
45	M78	Y	-2.77	-2.77	0	%100
46	MP4C	Y	-5.825	-5.825	0	%100
47	MP3C	Y	-5.825	-5.825	0	%100
48	MP2C	Y	-5.825	-5.825	0	%100
49	MP1C	Y	-5.825	-5.825	0	%100
50	M83	Y	-2.411	-2.411	0	%100
51	M84	Y	-2.411	-2.411	0	%100
52	M85	Y	-2.411	-2.411	0	%100
53	M86	Y	-2.411	-2.411	0	%100
54	M95	Y	-8.161	-8.161	0	%100
55	M98	Y	-5.106	-5.106	0	%100
56	M99	Y	-5.106	-5.106	0	%100
57	M108	Y	-6.803	-6.803	0	%100
58	M109	Y	-6.803	-6.803	0	%100
59	M110	Y	-6.803	-6.803	0	%100
60	M111	Y	-6.803	-6.803	0	%100
61	M112	Y	-5.106	-5.106	0	%100
62	M113	Y	-5.106	-5.106	0	%100
63	M114	Y	-5.106	-5.106	0	%100
64	M115	Y	-5.106	-5.106	0	%100
65	M116	Y	-6.803	-6.803	0	%100
66	M117	Y	-6.803	-6.803	0	%100
67	M118	Y	-6.803	-6.803	0	%100
68	M119	Y	-6.803	-6.803	0	%100
69	M120	Y	-2.77	-2.77	0	%100
70	M121	Y	-2.77	-2.77	0	%100
71	M122	Y	-2.77	-2.77	0	%100
72	M123	Y	-2.77	-2.77	0	%100
73	MP4B	Y	-5.825	-5.825	0	%100
74	MP3B	Y	-5.825	-5.825	0	%100
75	MP2B	Y	-5.825	-5.825	0	%100
76	MP1B	Y	-5.825	-5.825	0	%100
77	M128	Y	-2.411	-2.411	0	%100
78	M129	Y	-2.411	-2.411	0	%100
79	M130	Y	-2.411	-2.411	0	%100
80	M131	Y	-2.411	-2.411	0	%100
81	M140	Y	-8.161	-8.161	0	%100
82	M138A	Y	-5.106	-5.106	0	%100
83	M138B	Y	-5.106	-5.106	0	%100
84	M138C	Y	-5.106	-5.106	0	%100
85	M138D	Y	-5.106	-5.106	0	%100
86	M138E	Y	-5.106	-5.106	0	%100
87	M138F	Y	-5.106	-5.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-9.188	-9.188	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.188	-9.188	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M17	Z	-4.391	-4.391	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-4.391	-4.391	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-4.391	-4.391	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-4.391	-4.391	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-2.418	-2.418	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-2.418	-2.418	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-2.418	-2.418	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-2.418	-2.418	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-2.504	-2.504	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-2.504	-2.504	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-2.504	-2.504	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-2.504	-2.504	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-11.122	-11.122	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-11.122	-11.122	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-11.122	-11.122	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-11.122	-11.122	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.934	-1.934	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.934	-1.934	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-1.934	-1.934	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.934	-1.934	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	-12.051	-12.051	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	-2.297	-2.297	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-2.297	-2.297	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-1.813	-1.813	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-1.813	-1.813	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-1.813	-1.813	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-1.813	-1.813	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-6.095	-6.095	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-6.095	-6.095	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-.139	-.139	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.139	-.139	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-.604	-.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M72	X	0	0	0	%100
78	M72	Z	-.604	-.604	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-.604	-.604	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-.604	-.604	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	-2.756	-2.756	0	%100
85	M76	X	0	0	0	%100
86	M76	Z	-2.756	-2.756	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-1.877	-1.877	0	%100
89	M78	X	0	0	0	%100
90	M78	Z	-1.877	-1.877	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-11.122	-11.122	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-11.122	-11.122	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-11.122	-11.122	0	%100
97	MP1C	X	0	0	0	%100
98	MP1C	Z	-11.122	-11.122	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	-1.934	-1.934	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	-1.934	-1.934	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	-1.934	-1.934	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	-1.934	-1.934	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	-12.051	-12.051	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-2.297	-2.297	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	-2.297	-2.297	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	-1.813	-1.813	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	-1.813	-1.813	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	-1.813	-1.813	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	-1.813	-1.813	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	-.139	-.139	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	-.139	-.139	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	-6.095	-6.095	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	-6.095	-6.095	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	-.604	-.604	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	-.604	-.604	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	-.604	-.604	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	-.604	-.604	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	-1.877	-1.877	0	%100
139	M121	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
140	M121	Z	-1.877	-1.877	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	-2.756	-2.756	0	%100
143	M123	X	0	0	0	%100
144	M123	Z	-2.756	-2.756	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	-11.122	-11.122	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	-11.122	-11.122	0	%100
149	MP2B	X	0	0	0	%100
150	MP2B	Z	-11.122	-11.122	0	%100
151	MP1B	X	0	0	0	%100
152	MP1B	Z	-11.122	-11.122	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	-1.934	-1.934	0	%100
155	M129	X	0	0	0	%100
156	M129	Z	-1.934	-1.934	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	-1.934	-1.934	0	%100
159	M131	X	0	0	0	%100
160	M131	Z	-1.934	-1.934	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	-12.051	-12.051	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	-9.176	-9.176	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	-6.494	-6.494	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	-.027	-.027	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	-2.017	-2.017	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	-7.269	-7.269	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	-2.593	-2.593	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.445	3.445	0	%100
2	M1	Z	-5.968	-5.968	0	%100
3	M2	X	3.445	3.445	0	%100
4	M2	Z	-5.968	-5.968	0	%100
5	M13	X	.302	.302	0	%100
6	M13	Z	-.523	-.523	0	%100
7	M14	X	.302	.302	0	%100
8	M14	Z	-.523	-.523	0	%100
9	M15	X	.302	.302	0	%100
10	M15	Z	-.523	-.523	0	%100
11	M16	X	.302	.302	0	%100
12	M16	Z	-.523	-.523	0	%100
13	M17	X	.494	.494	0	%100
14	M17	Z	-.856	-.856	0	%100
15	M18	X	.494	.494	0	%100
16	M18	Z	-.856	-.856	0	%100
17	M19	X	3.472	3.472	0	%100
18	M19	Z	-6.014	-6.014	0	%100
19	M20	X	3.472	3.472	0	%100
20	M20	Z	-6.014	-6.014	0	%100
21	M21	X	.907	.907	0	%100
22	M21	Z	-1.57	-1.57	0	%100
23	M22	X	.907	.907	0	%100
24	M22	Z	-1.57	-1.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M23	X	.907	.907	0	%100
26	M23	Z	-1.57	-1.57	0	%100
27	M24	X	.907	.907	0	%100
28	M24	Z	-1.57	-1.57	0	%100
29	M25	X	1.001	1.001	0	%100
30	M25	Z	-1.734	-1.734	0	%100
31	M26	X	1.001	1.001	0	%100
32	M26	Z	-1.734	-1.734	0	%100
33	M27	X	1.44	1.44	0	%100
34	M27	Z	-2.495	-2.495	0	%100
35	M28	X	1.44	1.44	0	%100
36	M28	Z	-2.495	-2.495	0	%100
37	MP4A	X	5.561	5.561	0	%100
38	MP4A	Z	-9.632	-9.632	0	%100
39	MP3A	X	5.561	5.561	0	%100
40	MP3A	Z	-9.632	-9.632	0	%100
41	MP2A	X	5.561	5.561	0	%100
42	MP2A	Z	-9.632	-9.632	0	%100
43	MP1A	X	5.561	5.561	0	%100
44	MP1A	Z	-9.632	-9.632	0	%100
45	M44	X	.967	.967	0	%100
46	M44	Z	-1.675	-1.675	0	%100
47	M45	X	.967	.967	0	%100
48	M45	Z	-1.675	-1.675	0	%100
49	M46	X	.967	.967	0	%100
50	M46	Z	-1.675	-1.675	0	%100
51	M47	X	.967	.967	0	%100
52	M47	Z	-1.675	-1.675	0	%100
53	M45A	X	6.026	6.026	0	%100
54	M45A	Z	-10.437	-10.437	0	%100
55	M53	X	3.445	3.445	0	%100
56	M53	Z	-5.968	-5.968	0	%100
57	M54	X	3.445	3.445	0	%100
58	M54	Z	-5.968	-5.968	0	%100
59	M63	X	.302	.302	0	%100
60	M63	Z	-.523	-.523	0	%100
61	M64	X	.302	.302	0	%100
62	M64	Z	-.523	-.523	0	%100
63	M65	X	.302	.302	0	%100
64	M65	Z	-.523	-.523	0	%100
65	M66	X	.302	.302	0	%100
66	M66	Z	-.523	-.523	0	%100
67	M67	X	3.472	3.472	0	%100
68	M67	Z	-6.014	-6.014	0	%100
69	M68	X	3.472	3.472	0	%100
70	M68	Z	-6.014	-6.014	0	%100
71	M69	X	.494	.494	0	%100
72	M69	Z	-.856	-.856	0	%100
73	M70	X	.494	.494	0	%100
74	M70	Z	-.856	-.856	0	%100
75	M71	X	.907	.907	0	%100
76	M71	Z	-1.57	-1.57	0	%100
77	M72	X	.907	.907	0	%100
78	M72	Z	-1.57	-1.57	0	%100
79	M73	X	.907	.907	0	%100
80	M73	Z	-1.57	-1.57	0	%100
81	M74	X	.907	.907	0	%100
82	M74	Z	-1.57	-1.57	0	%100
83	M75	X	1.44	1.44	0	%100
84	M75	Z	-2.495	-2.495	0	%100
85	M76	X	1.44	1.44	0	%100
86	M76	Z	-2.495	-2.495	0	%100
87	M77	X	1.001	1.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	M77	Z	-1.734	-1.734	0	%100
89	M78	X	1.001	1.001	0	%100
90	M78	Z	-1.734	-1.734	0	%100
91	MP4C	X	5.561	5.561	0	%100
92	MP4C	Z	-9.632	-9.632	0	%100
93	MP3C	X	5.561	5.561	0	%100
94	MP3C	Z	-9.632	-9.632	0	%100
95	MP2C	X	5.561	5.561	0	%100
96	MP2C	Z	-9.632	-9.632	0	%100
97	MP1C	X	5.561	5.561	0	%100
98	MP1C	Z	-9.632	-9.632	0	%100
99	M83	X	.967	.967	0	%100
100	M83	Z	-1.675	-1.675	0	%100
101	M84	X	.967	.967	0	%100
102	M84	Z	-1.675	-1.675	0	%100
103	M85	X	.967	.967	0	%100
104	M85	Z	-1.675	-1.675	0	%100
105	M86	X	.967	.967	0	%100
106	M86	Z	-1.675	-1.675	0	%100
107	M95	X	6.026	6.026	0	%100
108	M95	Z	-10.437	-10.437	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	1.209	1.209	0	%100
114	M108	Z	-2.094	-2.094	0	%100
115	M109	X	1.209	1.209	0	%100
116	M109	Z	-2.094	-2.094	0	%100
117	M110	X	1.209	1.209	0	%100
118	M110	Z	-2.094	-2.094	0	%100
119	M111	X	1.209	1.209	0	%100
120	M111	Z	-2.094	-2.094	0	%100
121	M112	X	1.346	1.346	0	%100
122	M112	Z	-2.332	-2.332	0	%100
123	M113	X	1.346	1.346	0	%100
124	M113	Z	-2.332	-2.332	0	%100
125	M114	X	1.346	1.346	0	%100
126	M114	Z	-2.332	-2.332	0	%100
127	M115	X	1.346	1.346	0	%100
128	M115	Z	-2.332	-2.332	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	1.127	1.127	0	%100
138	M120	Z	-1.952	-1.952	0	%100
139	M121	X	1.127	1.127	0	%100
140	M121	Z	-1.952	-1.952	0	%100
141	M122	X	1.127	1.127	0	%100
142	M122	Z	-1.952	-1.952	0	%100
143	M123	X	1.127	1.127	0	%100
144	M123	Z	-1.952	-1.952	0	%100
145	MP4B	X	5.561	5.561	0	%100
146	MP4B	Z	-9.632	-9.632	0	%100
147	MP3B	X	5.561	5.561	0	%100
148	MP3B	Z	-9.632	-9.632	0	%100
149	MP2B	X	5.561	5.561	0	%100
150	MP2B	Z	-9.632	-9.632	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
151	MP1B	X	5.561	5.561	0	%100
152	MP1B	Z	-9.632	-9.632	0	%100
153	M128	X	.967	.967	0	%100
154	M128	Z	-1.675	-1.675	0	%100
155	M129	X	.967	.967	0	%100
156	M129	Z	-1.675	-1.675	0	%100
157	M130	X	.967	.967	0	%100
158	M130	Z	-1.675	-1.675	0	%100
159	M131	X	.967	.967	0	%100
160	M131	Z	-1.675	-1.675	0	%100
161	M140	X	6.026	6.026	0	%100
162	M140	Z	-10.437	-10.437	0	%100
163	M138A	X	3.299	3.299	0	%100
164	M138A	Z	-5.714	-5.714	0	%100
165	M138B	X	.962	.962	0	%100
166	M138B	Z	-1.666	-1.666	0	%100
167	M138C	X	1.35	1.35	0	%100
168	M138C	Z	-2.338	-2.338	0	%100
169	M138D	X	.008	.008	0	%100
170	M138D	Z	-.013	-.013	0	%100
171	M138E	X	4.583	4.583	0	%100
172	M138E	Z	-7.938	-7.938	0	%100
173	M138F	X	3.587	3.587	0	%100
174	M138F	Z	-6.213	-6.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.989	1.989	0	%100
2	M1	Z	-1.148	-1.148	0	%100
3	M2	X	1.989	1.989	0	%100
4	M2	Z	-1.148	-1.148	0	%100
5	M13	X	1.57	1.57	0	%100
6	M13	Z	-.907	-.907	0	%100
7	M14	X	1.57	1.57	0	%100
8	M14	Z	-.907	-.907	0	%100
9	M15	X	1.57	1.57	0	%100
10	M15	Z	-.907	-.907	0	%100
11	M16	X	1.57	1.57	0	%100
12	M16	Z	-.907	-.907	0	%100
13	M17	X	.121	.121	0	%100
14	M17	Z	-.07	-.07	0	%100
15	M18	X	.121	.121	0	%100
16	M18	Z	-.07	-.07	0	%100
17	M19	X	5.279	5.279	0	%100
18	M19	Z	-3.048	-3.048	0	%100
19	M20	X	5.279	5.279	0	%100
20	M20	Z	-3.048	-3.048	0	%100
21	M21	X	.523	.523	0	%100
22	M21	Z	-.302	-.302	0	%100
23	M22	X	.523	.523	0	%100
24	M22	Z	-.302	-.302	0	%100
25	M23	X	.523	.523	0	%100
26	M23	Z	-.302	-.302	0	%100
27	M24	X	.523	.523	0	%100
28	M24	Z	-.302	-.302	0	%100
29	M25	X	1.626	1.626	0	%100
30	M25	Z	-.939	-.939	0	%100
31	M26	X	1.626	1.626	0	%100
32	M26	Z	-.939	-.939	0	%100
33	M27	X	2.386	2.386	0	%100
34	M27	Z	-1.378	-1.378	0	%100
35	M28	X	2.386	2.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M28	Z	-1.378	-1.378	0	%100
37	MP4A	X	9.632	9.632	0	%100
38	MP4A	Z	-5.561	-5.561	0	%100
39	MP3A	X	9.632	9.632	0	%100
40	MP3A	Z	-5.561	-5.561	0	%100
41	MP2A	X	9.632	9.632	0	%100
42	MP2A	Z	-5.561	-5.561	0	%100
43	MP1A	X	9.632	9.632	0	%100
44	MP1A	Z	-5.561	-5.561	0	%100
45	M44	X	1.675	1.675	0	%100
46	M44	Z	-.967	-.967	0	%100
47	M45	X	1.675	1.675	0	%100
48	M45	Z	-.967	-.967	0	%100
49	M46	X	1.675	1.675	0	%100
50	M46	Z	-.967	-.967	0	%100
51	M47	X	1.675	1.675	0	%100
52	M47	Z	-.967	-.967	0	%100
53	M45A	X	10.437	10.437	0	%100
54	M45A	Z	-6.026	-6.026	0	%100
55	M53	X	7.957	7.957	0	%100
56	M53	Z	-4.594	-4.594	0	%100
57	M54	X	7.957	7.957	0	%100
58	M54	Z	-4.594	-4.594	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	3.803	3.803	0	%100
68	M67	Z	-2.196	-2.196	0	%100
69	M68	X	3.803	3.803	0	%100
70	M68	Z	-2.196	-2.196	0	%100
71	M69	X	3.803	3.803	0	%100
72	M69	Z	-2.196	-2.196	0	%100
73	M70	X	3.803	3.803	0	%100
74	M70	Z	-2.196	-2.196	0	%100
75	M71	X	2.094	2.094	0	%100
76	M71	Z	-1.209	-1.209	0	%100
77	M72	X	2.094	2.094	0	%100
78	M72	Z	-1.209	-1.209	0	%100
79	M73	X	2.094	2.094	0	%100
80	M73	Z	-1.209	-1.209	0	%100
81	M74	X	2.094	2.094	0	%100
82	M74	Z	-1.209	-1.209	0	%100
83	M75	X	2.169	2.169	0	%100
84	M75	Z	-1.252	-1.252	0	%100
85	M76	X	2.169	2.169	0	%100
86	M76	Z	-1.252	-1.252	0	%100
87	M77	X	2.169	2.169	0	%100
88	M77	Z	-1.252	-1.252	0	%100
89	M78	X	2.169	2.169	0	%100
90	M78	Z	-1.252	-1.252	0	%100
91	MP4C	X	9.632	9.632	0	%100
92	MP4C	Z	-5.561	-5.561	0	%100
93	MP3C	X	9.632	9.632	0	%100
94	MP3C	Z	-5.561	-5.561	0	%100
95	MP2C	X	9.632	9.632	0	%100
96	MP2C	Z	-5.561	-5.561	0	%100
97	MP1C	X	9.632	9.632	0	%100
98	MP1C	Z	-5.561	-5.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	M83	X	1.675	1.675	0	%100
100	M83	Z	-.967	-.967	0	%100
101	M84	X	1.675	1.675	0	%100
102	M84	Z	-.967	-.967	0	%100
103	M85	X	1.675	1.675	0	%100
104	M85	Z	-.967	-.967	0	%100
105	M86	X	1.675	1.675	0	%100
106	M86	Z	-.967	-.967	0	%100
107	M95	X	10.437	10.437	0	%100
108	M95	Z	-6.026	-6.026	0	%100
109	M98	X	1.989	1.989	0	%100
110	M98	Z	-1.148	-1.148	0	%100
111	M99	X	1.989	1.989	0	%100
112	M99	Z	-1.148	-1.148	0	%100
113	M108	X	1.57	1.57	0	%100
114	M108	Z	-.907	-.907	0	%100
115	M109	X	1.57	1.57	0	%100
116	M109	Z	-.907	-.907	0	%100
117	M110	X	1.57	1.57	0	%100
118	M110	Z	-.907	-.907	0	%100
119	M111	X	1.57	1.57	0	%100
120	M111	Z	-.907	-.907	0	%100
121	M112	X	5.279	5.279	0	%100
122	M112	Z	-3.048	-3.048	0	%100
123	M113	X	5.279	5.279	0	%100
124	M113	Z	-3.048	-3.048	0	%100
125	M114	X	.121	.121	0	%100
126	M114	Z	-.07	-.07	0	%100
127	M115	X	.121	.121	0	%100
128	M115	Z	-.07	-.07	0	%100
129	M116	X	.523	.523	0	%100
130	M116	Z	-.302	-.302	0	%100
131	M117	X	.523	.523	0	%100
132	M117	Z	-.302	-.302	0	%100
133	M118	X	.523	.523	0	%100
134	M118	Z	-.302	-.302	0	%100
135	M119	X	.523	.523	0	%100
136	M119	Z	-.302	-.302	0	%100
137	M120	X	2.386	2.386	0	%100
138	M120	Z	-1.378	-1.378	0	%100
139	M121	X	2.386	2.386	0	%100
140	M121	Z	-1.378	-1.378	0	%100
141	M122	X	1.626	1.626	0	%100
142	M122	Z	-.939	-.939	0	%100
143	M123	X	1.626	1.626	0	%100
144	M123	Z	-.939	-.939	0	%100
145	MP4B	X	9.632	9.632	0	%100
146	MP4B	Z	-5.561	-5.561	0	%100
147	MP3B	X	9.632	9.632	0	%100
148	MP3B	Z	-5.561	-5.561	0	%100
149	MP2B	X	9.632	9.632	0	%100
150	MP2B	Z	-5.561	-5.561	0	%100
151	MP1B	X	9.632	9.632	0	%100
152	MP1B	Z	-5.561	-5.561	0	%100
153	M128	X	1.675	1.675	0	%100
154	M128	Z	-.967	-.967	0	%100
155	M129	X	1.675	1.675	0	%100
156	M129	Z	-.967	-.967	0	%100
157	M130	X	1.675	1.675	0	%100
158	M130	Z	-.967	-.967	0	%100
159	M131	X	1.675	1.675	0	%100
160	M131	Z	-.967	-.967	0	%100
161	M140	X	10.437	10.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
162	M140	Z	-6.026	-6.026	0	%100
163	M138A	X	1.747	1.747	0	%100
164	M138A	Z	-1.009	-1.009	0	%100
165	M138B	X	.023	.023	0	%100
166	M138B	Z	-.013	-.013	0	%100
167	M138C	X	6.295	6.295	0	%100
168	M138C	Z	-3.634	-3.634	0	%100
169	M138D	X	2.246	2.246	0	%100
170	M138D	Z	-1.297	-1.297	0	%100
171	M138E	X	5.624	5.624	0	%100
172	M138E	Z	-3.247	-3.247	0	%100
173	M138F	X	7.947	7.947	0	%100
174	M138F	Z	-4.588	-4.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	2.418	2.418	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	2.418	2.418	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	2.418	2.418	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	2.418	2.418	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	2.693	2.693	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	2.693	2.693	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.693	2.693	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	2.693	2.693	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.254	2.254	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	2.254	2.254	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	2.254	2.254	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	2.254	2.254	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	11.122	11.122	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	11.122	11.122	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	11.122	11.122	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	11.122	11.122	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	1.934	1.934	0	%100
46	M44	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M45	X	1.934	1.934	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	1.934	1.934	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	1.934	1.934	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	12.051	12.051	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	6.891	6.891	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	6.891	6.891	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	.604	.604	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	.604	.604	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.604	.604	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	.604	.604	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	.989	.989	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	.989	.989	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	6.945	6.945	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	6.945	6.945	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	1.813	1.813	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	1.813	1.813	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	1.813	1.813	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	1.813	1.813	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	2.002	2.002	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	2.002	2.002	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	2.881	2.881	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	2.881	2.881	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	11.122	11.122	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	11.122	11.122	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	11.122	11.122	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	11.122	11.122	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	1.934	1.934	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	1.934	1.934	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	1.934	1.934	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	1.934	1.934	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	12.051	12.051	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	6.891	6.891	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	M98	Z	0	0	0	%100
111	M99	X	6.891	6.891	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	.604	.604	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	.604	.604	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	.604	.604	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	.604	.604	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	6.945	6.945	0	%100
122	M112	Z	0	0	0	%100
123	M113	X	6.945	6.945	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	.989	.989	0	%100
126	M114	Z	0	0	0	%100
127	M115	X	.989	.989	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	1.813	1.813	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	1.813	1.813	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	1.813	1.813	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	1.813	1.813	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	2.881	2.881	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	2.881	2.881	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	2.002	2.002	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	2.002	2.002	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	11.122	11.122	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	11.122	11.122	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	11.122	11.122	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	11.122	11.122	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	1.934	1.934	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	1.934	1.934	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	1.934	1.934	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	1.934	1.934	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	12.051	12.051	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	.015	.015	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	2.699	2.699	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	9.166	9.166	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	7.174	7.174	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	1.924	1.924	0	%100
172	M138E	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
173	M138F	X	6.598	6.598	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.989	1.989	0	%100
2	M1	Z	1.148	1.148	0	%100
3	M2	X	1.989	1.989	0	%100
4	M2	Z	1.148	1.148	0	%100
5	M13	X	1.57	1.57	0	%100
6	M13	Z	.907	.907	0	%100
7	M14	X	1.57	1.57	0	%100
8	M14	Z	.907	.907	0	%100
9	M15	X	1.57	1.57	0	%100
10	M15	Z	.907	.907	0	%100
11	M16	X	1.57	1.57	0	%100
12	M16	Z	.907	.907	0	%100
13	M17	X	5.279	5.279	0	%100
14	M17	Z	3.048	3.048	0	%100
15	M18	X	5.279	5.279	0	%100
16	M18	Z	3.048	3.048	0	%100
17	M19	X	.121	.121	0	%100
18	M19	Z	.07	.07	0	%100
19	M20	X	.121	.121	0	%100
20	M20	Z	.07	.07	0	%100
21	M21	X	.523	.523	0	%100
22	M21	Z	.302	.302	0	%100
23	M22	X	.523	.523	0	%100
24	M22	Z	.302	.302	0	%100
25	M23	X	.523	.523	0	%100
26	M23	Z	.302	.302	0	%100
27	M24	X	.523	.523	0	%100
28	M24	Z	.302	.302	0	%100
29	M25	X	2.386	2.386	0	%100
30	M25	Z	1.378	1.378	0	%100
31	M26	X	2.386	2.386	0	%100
32	M26	Z	1.378	1.378	0	%100
33	M27	X	1.626	1.626	0	%100
34	M27	Z	.939	.939	0	%100
35	M28	X	1.626	1.626	0	%100
36	M28	Z	.939	.939	0	%100
37	MP4A	X	9.632	9.632	0	%100
38	MP4A	Z	5.561	5.561	0	%100
39	MP3A	X	9.632	9.632	0	%100
40	MP3A	Z	5.561	5.561	0	%100
41	MP2A	X	9.632	9.632	0	%100
42	MP2A	Z	5.561	5.561	0	%100
43	MP1A	X	9.632	9.632	0	%100
44	MP1A	Z	5.561	5.561	0	%100
45	M44	X	1.675	1.675	0	%100
46	M44	Z	.967	.967	0	%100
47	M45	X	1.675	1.675	0	%100
48	M45	Z	.967	.967	0	%100
49	M46	X	1.675	1.675	0	%100
50	M46	Z	.967	.967	0	%100
51	M47	X	1.675	1.675	0	%100
52	M47	Z	.967	.967	0	%100
53	M45A	X	10.437	10.437	0	%100
54	M45A	Z	6.026	6.026	0	%100
55	M53	X	1.989	1.989	0	%100
56	M53	Z	1.148	1.148	0	%100
57	M54	X	1.989	1.989	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M54	Z	1.148	1.148	0	%100
59	M63	X	1.57	1.57	0	%100
60	M63	Z	.907	.907	0	%100
61	M64	X	1.57	1.57	0	%100
62	M64	Z	.907	.907	0	%100
63	M65	X	1.57	1.57	0	%100
64	M65	Z	.907	.907	0	%100
65	M66	X	1.57	1.57	0	%100
66	M66	Z	.907	.907	0	%100
67	M67	X	.121	.121	0	%100
68	M67	Z	.07	.07	0	%100
69	M68	X	.121	.121	0	%100
70	M68	Z	.07	.07	0	%100
71	M69	X	5.279	5.279	0	%100
72	M69	Z	3.048	3.048	0	%100
73	M70	X	5.279	5.279	0	%100
74	M70	Z	3.048	3.048	0	%100
75	M71	X	.523	.523	0	%100
76	M71	Z	.302	.302	0	%100
77	M72	X	.523	.523	0	%100
78	M72	Z	.302	.302	0	%100
79	M73	X	.523	.523	0	%100
80	M73	Z	.302	.302	0	%100
81	M74	X	.523	.523	0	%100
82	M74	Z	.302	.302	0	%100
83	M75	X	1.626	1.626	0	%100
84	M75	Z	.939	.939	0	%100
85	M76	X	1.626	1.626	0	%100
86	M76	Z	.939	.939	0	%100
87	M77	X	2.386	2.386	0	%100
88	M77	Z	1.378	1.378	0	%100
89	M78	X	2.386	2.386	0	%100
90	M78	Z	1.378	1.378	0	%100
91	MP4C	X	9.632	9.632	0	%100
92	MP4C	Z	5.561	5.561	0	%100
93	MP3C	X	9.632	9.632	0	%100
94	MP3C	Z	5.561	5.561	0	%100
95	MP2C	X	9.632	9.632	0	%100
96	MP2C	Z	5.561	5.561	0	%100
97	MP1C	X	9.632	9.632	0	%100
98	MP1C	Z	5.561	5.561	0	%100
99	M83	X	1.675	1.675	0	%100
100	M83	Z	.967	.967	0	%100
101	M84	X	1.675	1.675	0	%100
102	M84	Z	.967	.967	0	%100
103	M85	X	1.675	1.675	0	%100
104	M85	Z	.967	.967	0	%100
105	M86	X	1.675	1.675	0	%100
106	M86	Z	.967	.967	0	%100
107	M95	X	10.437	10.437	0	%100
108	M95	Z	6.026	6.026	0	%100
109	M98	X	7.957	7.957	0	%100
110	M98	Z	4.594	4.594	0	%100
111	M99	X	7.957	7.957	0	%100
112	M99	Z	4.594	4.594	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M112	X	3.803	3.803	0	%100
122	M112	Z	2.196	2.196	0	%100
123	M113	X	3.803	3.803	0	%100
124	M113	Z	2.196	2.196	0	%100
125	M114	X	3.803	3.803	0	%100
126	M114	Z	2.196	2.196	0	%100
127	M115	X	3.803	3.803	0	%100
128	M115	Z	2.196	2.196	0	%100
129	M116	X	2.094	2.094	0	%100
130	M116	Z	1.209	1.209	0	%100
131	M117	X	2.094	2.094	0	%100
132	M117	Z	1.209	1.209	0	%100
133	M118	X	2.094	2.094	0	%100
134	M118	Z	1.209	1.209	0	%100
135	M119	X	2.094	2.094	0	%100
136	M119	Z	1.209	1.209	0	%100
137	M120	X	2.169	2.169	0	%100
138	M120	Z	1.252	1.252	0	%100
139	M121	X	2.169	2.169	0	%100
140	M121	Z	1.252	1.252	0	%100
141	M122	X	2.169	2.169	0	%100
142	M122	Z	1.252	1.252	0	%100
143	M123	X	2.169	2.169	0	%100
144	M123	Z	1.252	1.252	0	%100
145	MP4B	X	9.632	9.632	0	%100
146	MP4B	Z	5.561	5.561	0	%100
147	MP3B	X	9.632	9.632	0	%100
148	MP3B	Z	5.561	5.561	0	%100
149	MP2B	X	9.632	9.632	0	%100
150	MP2B	Z	5.561	5.561	0	%100
151	MP1B	X	9.632	9.632	0	%100
152	MP1B	Z	5.561	5.561	0	%100
153	M128	X	1.675	1.675	0	%100
154	M128	Z	.967	.967	0	%100
155	M129	X	1.675	1.675	0	%100
156	M129	Z	.967	.967	0	%100
157	M130	X	1.675	1.675	0	%100
158	M130	Z	.967	.967	0	%100
159	M131	X	1.675	1.675	0	%100
160	M131	Z	.967	.967	0	%100
161	M140	X	10.437	10.437	0	%100
162	M140	Z	6.026	6.026	0	%100
163	M138A	X	2.246	2.246	0	%100
164	M138A	Z	1.297	1.297	0	%100
165	M138B	X	6.295	6.295	0	%100
166	M138B	Z	3.634	3.634	0	%100
167	M138C	X	5.624	5.624	0	%100
168	M138C	Z	3.247	3.247	0	%100
169	M138D	X	7.947	7.947	0	%100
170	M138D	Z	4.588	4.588	0	%100
171	M138E	X	.023	.023	0	%100
172	M138E	Z	.013	.013	0	%100
173	M138F	X	1.747	1.747	0	%100
174	M138F	Z	1.009	1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.445	3.445	0	%100
2	M1	Z	5.968	5.968	0	%100
3	M2	X	3.445	3.445	0	%100
4	M2	Z	5.968	5.968	0	%100
5	M13	X	.302	.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M13	Z	.523	.523	0	%100
7	M14	X	.302	.302	0	%100
8	M14	Z	.523	.523	0	%100
9	M15	X	.302	.302	0	%100
10	M15	Z	.523	.523	0	%100
11	M16	X	.302	.302	0	%100
12	M16	Z	.523	.523	0	%100
13	M17	X	3.472	3.472	0	%100
14	M17	Z	6.014	6.014	0	%100
15	M18	X	3.472	3.472	0	%100
16	M18	Z	6.014	6.014	0	%100
17	M19	X	.494	.494	0	%100
18	M19	Z	.856	.856	0	%100
19	M20	X	.494	.494	0	%100
20	M20	Z	.856	.856	0	%100
21	M21	X	.907	.907	0	%100
22	M21	Z	1.57	1.57	0	%100
23	M22	X	.907	.907	0	%100
24	M22	Z	1.57	1.57	0	%100
25	M23	X	.907	.907	0	%100
26	M23	Z	1.57	1.57	0	%100
27	M24	X	.907	.907	0	%100
28	M24	Z	1.57	1.57	0	%100
29	M25	X	1.44	1.44	0	%100
30	M25	Z	2.495	2.495	0	%100
31	M26	X	1.44	1.44	0	%100
32	M26	Z	2.495	2.495	0	%100
33	M27	X	1.001	1.001	0	%100
34	M27	Z	1.734	1.734	0	%100
35	M28	X	1.001	1.001	0	%100
36	M28	Z	1.734	1.734	0	%100
37	MP4A	X	5.561	5.561	0	%100
38	MP4A	Z	9.632	9.632	0	%100
39	MP3A	X	5.561	5.561	0	%100
40	MP3A	Z	9.632	9.632	0	%100
41	MP2A	X	5.561	5.561	0	%100
42	MP2A	Z	9.632	9.632	0	%100
43	MP1A	X	5.561	5.561	0	%100
44	MP1A	Z	9.632	9.632	0	%100
45	M44	X	.967	.967	0	%100
46	M44	Z	1.675	1.675	0	%100
47	M45	X	.967	.967	0	%100
48	M45	Z	1.675	1.675	0	%100
49	M46	X	.967	.967	0	%100
50	M46	Z	1.675	1.675	0	%100
51	M47	X	.967	.967	0	%100
52	M47	Z	1.675	1.675	0	%100
53	M45A	X	6.026	6.026	0	%100
54	M45A	Z	10.437	10.437	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	1.209	1.209	0	%100
60	M63	Z	2.094	2.094	0	%100
61	M64	X	1.209	1.209	0	%100
62	M64	Z	2.094	2.094	0	%100
63	M65	X	1.209	1.209	0	%100
64	M65	Z	2.094	2.094	0	%100
65	M66	X	1.209	1.209	0	%100
66	M66	Z	2.094	2.094	0	%100
67	M67	X	1.346	1.346	0	%100
68	M67	Z	2.332	2.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M68	X	1.346	1.346	0	%100
70	M68	Z	2.332	2.332	0	%100
71	M69	X	1.346	1.346	0	%100
72	M69	Z	2.332	2.332	0	%100
73	M70	X	1.346	1.346	0	%100
74	M70	Z	2.332	2.332	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	1.127	1.127	0	%100
84	M75	Z	1.952	1.952	0	%100
85	M76	X	1.127	1.127	0	%100
86	M76	Z	1.952	1.952	0	%100
87	M77	X	1.127	1.127	0	%100
88	M77	Z	1.952	1.952	0	%100
89	M78	X	1.127	1.127	0	%100
90	M78	Z	1.952	1.952	0	%100
91	MP4C	X	5.561	5.561	0	%100
92	MP4C	Z	9.632	9.632	0	%100
93	MP3C	X	5.561	5.561	0	%100
94	MP3C	Z	9.632	9.632	0	%100
95	MP2C	X	5.561	5.561	0	%100
96	MP2C	Z	9.632	9.632	0	%100
97	MP1C	X	5.561	5.561	0	%100
98	MP1C	Z	9.632	9.632	0	%100
99	M83	X	.967	.967	0	%100
100	M83	Z	1.675	1.675	0	%100
101	M84	X	.967	.967	0	%100
102	M84	Z	1.675	1.675	0	%100
103	M85	X	.967	.967	0	%100
104	M85	Z	1.675	1.675	0	%100
105	M86	X	.967	.967	0	%100
106	M86	Z	1.675	1.675	0	%100
107	M95	X	6.026	6.026	0	%100
108	M95	Z	10.437	10.437	0	%100
109	M98	X	3.445	3.445	0	%100
110	M98	Z	5.968	5.968	0	%100
111	M99	X	3.445	3.445	0	%100
112	M99	Z	5.968	5.968	0	%100
113	M108	X	.302	.302	0	%100
114	M108	Z	.523	.523	0	%100
115	M109	X	.302	.302	0	%100
116	M109	Z	.523	.523	0	%100
117	M110	X	.302	.302	0	%100
118	M110	Z	.523	.523	0	%100
119	M111	X	.302	.302	0	%100
120	M111	Z	.523	.523	0	%100
121	M112	X	.494	.494	0	%100
122	M112	Z	.856	.856	0	%100
123	M113	X	.494	.494	0	%100
124	M113	Z	.856	.856	0	%100
125	M114	X	3.472	3.472	0	%100
126	M114	Z	6.014	6.014	0	%100
127	M115	X	3.472	3.472	0	%100
128	M115	Z	6.014	6.014	0	%100
129	M116	X	.907	.907	0	%100
130	M116	Z	1.57	1.57	0	%100
131	M117	X	.907	.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
132	M117	Z	1.57	1.57	0	%100
133	M118	X	.907	.907	0	%100
134	M118	Z	1.57	1.57	0	%100
135	M119	X	.907	.907	0	%100
136	M119	Z	1.57	1.57	0	%100
137	M120	X	1.001	1.001	0	%100
138	M120	Z	1.734	1.734	0	%100
139	M121	X	1.001	1.001	0	%100
140	M121	Z	1.734	1.734	0	%100
141	M122	X	1.44	1.44	0	%100
142	M122	Z	2.495	2.495	0	%100
143	M123	X	1.44	1.44	0	%100
144	M123	Z	2.495	2.495	0	%100
145	MP4B	X	5.561	5.561	0	%100
146	MP4B	Z	9.632	9.632	0	%100
147	MP3B	X	5.561	5.561	0	%100
148	MP3B	Z	9.632	9.632	0	%100
149	MP2B	X	5.561	5.561	0	%100
150	MP2B	Z	9.632	9.632	0	%100
151	MP1B	X	5.561	5.561	0	%100
152	MP1B	Z	9.632	9.632	0	%100
153	M128	X	.967	.967	0	%100
154	M128	Z	1.675	1.675	0	%100
155	M129	X	.967	.967	0	%100
156	M129	Z	1.675	1.675	0	%100
157	M130	X	.967	.967	0	%100
158	M130	Z	1.675	1.675	0	%100
159	M131	X	.967	.967	0	%100
160	M131	Z	1.675	1.675	0	%100
161	M140	X	6.026	6.026	0	%100
162	M140	Z	10.437	10.437	0	%100
163	M138A	X	3.587	3.587	0	%100
164	M138A	Z	6.213	6.213	0	%100
165	M138B	X	4.583	4.583	0	%100
166	M138B	Z	7.938	7.938	0	%100
167	M138C	X	.962	.962	0	%100
168	M138C	Z	1.666	1.666	0	%100
169	M138D	X	3.299	3.299	0	%100
170	M138D	Z	5.714	5.714	0	%100
171	M138E	X	1.35	1.35	0	%100
172	M138E	Z	2.338	2.338	0	%100
173	M138F	X	.008	.008	0	%100
174	M138F	Z	.013	.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	9.188	9.188	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.188	9.188	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	4.391	4.391	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	4.391	4.391	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	0	0	0	%100
18	M19	Z	4.391	4.391	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	4.391	4.391	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	2.418	2.418	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	2.418	2.418	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	2.418	2.418	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	2.418	2.418	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	2.504	2.504	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	2.504	2.504	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	2.504	2.504	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	2.504	2.504	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	11.122	11.122	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	11.122	11.122	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	11.122	11.122	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	11.122	11.122	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.934	1.934	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.934	1.934	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	1.934	1.934	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	1.934	1.934	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	12.051	12.051	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	2.297	2.297	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	2.297	2.297	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	1.813	1.813	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	1.813	1.813	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	1.813	1.813	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	1.813	1.813	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	6.095	6.095	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	6.095	6.095	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	.139	.139	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	.139	.139	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	.604	.604	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	.604	.604	0	%100
79	M73	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
80	M73	Z	.604	.604	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	.604	.604	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	2.756	2.756	0	%100
85	M76	X	0	0	0	%100
86	M76	Z	2.756	2.756	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	1.877	1.877	0	%100
89	M78	X	0	0	0	%100
90	M78	Z	1.877	1.877	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	11.122	11.122	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	11.122	11.122	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	11.122	11.122	0	%100
97	MP1C	X	0	0	0	%100
98	MP1C	Z	11.122	11.122	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	1.934	1.934	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	1.934	1.934	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	1.934	1.934	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	1.934	1.934	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	12.051	12.051	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	2.297	2.297	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	2.297	2.297	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	1.813	1.813	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	1.813	1.813	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	1.813	1.813	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	1.813	1.813	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	.139	.139	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	.139	.139	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	6.095	6.095	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	6.095	6.095	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	.604	.604	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	.604	.604	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	.604	.604	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	.604	.604	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	1.877	1.877	0	%100
139	M121	X	0	0	0	%100
140	M121	Z	1.877	1.877	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	2.756	2.756	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
143	M123	X	0	0	0	%100
144	M123	Z	2.756	2.756	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	11.122	11.122	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	11.122	11.122	0	%100
149	MP2B	X	0	0	0	%100
150	MP2B	Z	11.122	11.122	0	%100
151	MP1B	X	0	0	0	%100
152	MP1B	Z	11.122	11.122	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	1.934	1.934	0	%100
155	M129	X	0	0	0	%100
156	M129	Z	1.934	1.934	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	1.934	1.934	0	%100
159	M131	X	0	0	0	%100
160	M131	Z	1.934	1.934	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	12.051	12.051	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	9.176	9.176	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	6.494	6.494	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	.027	.027	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	2.017	2.017	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	7.269	7.269	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	2.593	2.593	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.445	-3.445	0	%100
2	M1	Z	5.968	5.968	0	%100
3	M2	X	-3.445	-3.445	0	%100
4	M2	Z	5.968	5.968	0	%100
5	M13	X	-.302	-.302	0	%100
6	M13	Z	.523	.523	0	%100
7	M14	X	-.302	-.302	0	%100
8	M14	Z	.523	.523	0	%100
9	M15	X	-.302	-.302	0	%100
10	M15	Z	.523	.523	0	%100
11	M16	X	-.302	-.302	0	%100
12	M16	Z	.523	.523	0	%100
13	M17	X	-.494	-.494	0	%100
14	M17	Z	.856	.856	0	%100
15	M18	X	-.494	-.494	0	%100
16	M18	Z	.856	.856	0	%100
17	M19	X	-3.472	-3.472	0	%100
18	M19	Z	6.014	6.014	0	%100
19	M20	X	-3.472	-3.472	0	%100
20	M20	Z	6.014	6.014	0	%100
21	M21	X	-.907	-.907	0	%100
22	M21	Z	1.57	1.57	0	%100
23	M22	X	-.907	-.907	0	%100
24	M22	Z	1.57	1.57	0	%100
25	M23	X	-.907	-.907	0	%100
26	M23	Z	1.57	1.57	0	%100
27	M24	X	-.907	-.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M24	Z	1.57	1.57	0	%100
29	M25	X	-1.001	-1.001	0	%100
30	M25	Z	1.734	1.734	0	%100
31	M26	X	-1.001	-1.001	0	%100
32	M26	Z	1.734	1.734	0	%100
33	M27	X	-1.44	-1.44	0	%100
34	M27	Z	2.495	2.495	0	%100
35	M28	X	-1.44	-1.44	0	%100
36	M28	Z	2.495	2.495	0	%100
37	MP4A	X	-5.561	-5.561	0	%100
38	MP4A	Z	9.632	9.632	0	%100
39	MP3A	X	-5.561	-5.561	0	%100
40	MP3A	Z	9.632	9.632	0	%100
41	MP2A	X	-5.561	-5.561	0	%100
42	MP2A	Z	9.632	9.632	0	%100
43	MP1A	X	-5.561	-5.561	0	%100
44	MP1A	Z	9.632	9.632	0	%100
45	M44	X	-.967	-.967	0	%100
46	M44	Z	1.675	1.675	0	%100
47	M45	X	-.967	-.967	0	%100
48	M45	Z	1.675	1.675	0	%100
49	M46	X	-.967	-.967	0	%100
50	M46	Z	1.675	1.675	0	%100
51	M47	X	-.967	-.967	0	%100
52	M47	Z	1.675	1.675	0	%100
53	M45A	X	-6.026	-6.026	0	%100
54	M45A	Z	10.437	10.437	0	%100
55	M53	X	-3.445	-3.445	0	%100
56	M53	Z	5.968	5.968	0	%100
57	M54	X	-3.445	-3.445	0	%100
58	M54	Z	5.968	5.968	0	%100
59	M63	X	-.302	-.302	0	%100
60	M63	Z	.523	.523	0	%100
61	M64	X	-.302	-.302	0	%100
62	M64	Z	.523	.523	0	%100
63	M65	X	-.302	-.302	0	%100
64	M65	Z	.523	.523	0	%100
65	M66	X	-.302	-.302	0	%100
66	M66	Z	.523	.523	0	%100
67	M67	X	-3.472	-3.472	0	%100
68	M67	Z	6.014	6.014	0	%100
69	M68	X	-3.472	-3.472	0	%100
70	M68	Z	6.014	6.014	0	%100
71	M69	X	-.494	-.494	0	%100
72	M69	Z	.856	.856	0	%100
73	M70	X	-.494	-.494	0	%100
74	M70	Z	.856	.856	0	%100
75	M71	X	-.907	-.907	0	%100
76	M71	Z	1.57	1.57	0	%100
77	M72	X	-.907	-.907	0	%100
78	M72	Z	1.57	1.57	0	%100
79	M73	X	-.907	-.907	0	%100
80	M73	Z	1.57	1.57	0	%100
81	M74	X	-.907	-.907	0	%100
82	M74	Z	1.57	1.57	0	%100
83	M75	X	-1.44	-1.44	0	%100
84	M75	Z	2.495	2.495	0	%100
85	M76	X	-1.44	-1.44	0	%100
86	M76	Z	2.495	2.495	0	%100
87	M77	X	-1.001	-1.001	0	%100
88	M77	Z	1.734	1.734	0	%100
89	M78	X	-1.001	-1.001	0	%100
90	M78	Z	1.734	1.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP4C	X	-5.561	-5.561	0	%100
92	MP4C	Z	9.632	9.632	0	%100
93	MP3C	X	-5.561	-5.561	0	%100
94	MP3C	Z	9.632	9.632	0	%100
95	MP2C	X	-5.561	-5.561	0	%100
96	MP2C	Z	9.632	9.632	0	%100
97	MP1C	X	-5.561	-5.561	0	%100
98	MP1C	Z	9.632	9.632	0	%100
99	M83	X	-.967	-.967	0	%100
100	M83	Z	1.675	1.675	0	%100
101	M84	X	-.967	-.967	0	%100
102	M84	Z	1.675	1.675	0	%100
103	M85	X	-.967	-.967	0	%100
104	M85	Z	1.675	1.675	0	%100
105	M86	X	-.967	-.967	0	%100
106	M86	Z	1.675	1.675	0	%100
107	M95	X	-6.026	-6.026	0	%100
108	M95	Z	10.437	10.437	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	-1.209	-1.209	0	%100
114	M108	Z	2.094	2.094	0	%100
115	M109	X	-1.209	-1.209	0	%100
116	M109	Z	2.094	2.094	0	%100
117	M110	X	-1.209	-1.209	0	%100
118	M110	Z	2.094	2.094	0	%100
119	M111	X	-1.209	-1.209	0	%100
120	M111	Z	2.094	2.094	0	%100
121	M112	X	-1.346	-1.346	0	%100
122	M112	Z	2.332	2.332	0	%100
123	M113	X	-1.346	-1.346	0	%100
124	M113	Z	2.332	2.332	0	%100
125	M114	X	-1.346	-1.346	0	%100
126	M114	Z	2.332	2.332	0	%100
127	M115	X	-1.346	-1.346	0	%100
128	M115	Z	2.332	2.332	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-1.127	-1.127	0	%100
138	M120	Z	1.952	1.952	0	%100
139	M121	X	-1.127	-1.127	0	%100
140	M121	Z	1.952	1.952	0	%100
141	M122	X	-1.127	-1.127	0	%100
142	M122	Z	1.952	1.952	0	%100
143	M123	X	-1.127	-1.127	0	%100
144	M123	Z	1.952	1.952	0	%100
145	MP4B	X	-5.561	-5.561	0	%100
146	MP4B	Z	9.632	9.632	0	%100
147	MP3B	X	-5.561	-5.561	0	%100
148	MP3B	Z	9.632	9.632	0	%100
149	MP2B	X	-5.561	-5.561	0	%100
150	MP2B	Z	9.632	9.632	0	%100
151	MP1B	X	-5.561	-5.561	0	%100
152	MP1B	Z	9.632	9.632	0	%100
153	M128	X	-.967	-.967	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
154	M128	Z	1.675	1.675	0	%100
155	M129	X	-.967	-.967	0	%100
156	M129	Z	1.675	1.675	0	%100
157	M130	X	-.967	-.967	0	%100
158	M130	Z	1.675	1.675	0	%100
159	M131	X	-.967	-.967	0	%100
160	M131	Z	1.675	1.675	0	%100
161	M140	X	-6.026	-6.026	0	%100
162	M140	Z	10.437	10.437	0	%100
163	M138A	X	-3.299	-3.299	0	%100
164	M138A	Z	5.714	5.714	0	%100
165	M138B	X	-.962	-.962	0	%100
166	M138B	Z	1.666	1.666	0	%100
167	M138C	X	-1.35	-1.35	0	%100
168	M138C	Z	2.338	2.338	0	%100
169	M138D	X	-.008	-.008	0	%100
170	M138D	Z	.013	.013	0	%100
171	M138E	X	-4.583	-4.583	0	%100
172	M138E	Z	7.938	7.938	0	%100
173	M138F	X	-3.587	-3.587	0	%100
174	M138F	Z	6.213	6.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.989	-1.989	0	%100
2	M1	Z	1.148	1.148	0	%100
3	M2	X	-1.989	-1.989	0	%100
4	M2	Z	1.148	1.148	0	%100
5	M13	X	-1.57	-1.57	0	%100
6	M13	Z	.907	.907	0	%100
7	M14	X	-1.57	-1.57	0	%100
8	M14	Z	.907	.907	0	%100
9	M15	X	-1.57	-1.57	0	%100
10	M15	Z	.907	.907	0	%100
11	M16	X	-1.57	-1.57	0	%100
12	M16	Z	.907	.907	0	%100
13	M17	X	-.121	-.121	0	%100
14	M17	Z	.07	.07	0	%100
15	M18	X	-.121	-.121	0	%100
16	M18	Z	.07	.07	0	%100
17	M19	X	-5.279	-5.279	0	%100
18	M19	Z	3.048	3.048	0	%100
19	M20	X	-5.279	-5.279	0	%100
20	M20	Z	3.048	3.048	0	%100
21	M21	X	-.523	-.523	0	%100
22	M21	Z	.302	.302	0	%100
23	M22	X	-.523	-.523	0	%100
24	M22	Z	.302	.302	0	%100
25	M23	X	-.523	-.523	0	%100
26	M23	Z	.302	.302	0	%100
27	M24	X	-.523	-.523	0	%100
28	M24	Z	.302	.302	0	%100
29	M25	X	-1.626	-1.626	0	%100
30	M25	Z	.939	.939	0	%100
31	M26	X	-1.626	-1.626	0	%100
32	M26	Z	.939	.939	0	%100
33	M27	X	-2.386	-2.386	0	%100
34	M27	Z	1.378	1.378	0	%100
35	M28	X	-2.386	-2.386	0	%100
36	M28	Z	1.378	1.378	0	%100
37	MP4A	X	-9.632	-9.632	0	%100
38	MP4A	Z	5.561	5.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	MP3A	X	-9.632	-9.632	0	%100
40	MP3A	Z	5.561	5.561	0	%100
41	MP2A	X	-9.632	-9.632	0	%100
42	MP2A	Z	5.561	5.561	0	%100
43	MP1A	X	-9.632	-9.632	0	%100
44	MP1A	Z	5.561	5.561	0	%100
45	M44	X	-1.675	-1.675	0	%100
46	M44	Z	.967	.967	0	%100
47	M45	X	-1.675	-1.675	0	%100
48	M45	Z	.967	.967	0	%100
49	M46	X	-1.675	-1.675	0	%100
50	M46	Z	.967	.967	0	%100
51	M47	X	-1.675	-1.675	0	%100
52	M47	Z	.967	.967	0	%100
53	M45A	X	-10.437	-10.437	0	%100
54	M45A	Z	6.026	6.026	0	%100
55	M53	X	-7.957	-7.957	0	%100
56	M53	Z	4.594	4.594	0	%100
57	M54	X	-7.957	-7.957	0	%100
58	M54	Z	4.594	4.594	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-3.803	-3.803	0	%100
68	M67	Z	2.196	2.196	0	%100
69	M68	X	-3.803	-3.803	0	%100
70	M68	Z	2.196	2.196	0	%100
71	M69	X	-3.803	-3.803	0	%100
72	M69	Z	2.196	2.196	0	%100
73	M70	X	-3.803	-3.803	0	%100
74	M70	Z	2.196	2.196	0	%100
75	M71	X	-2.094	-2.094	0	%100
76	M71	Z	1.209	1.209	0	%100
77	M72	X	-2.094	-2.094	0	%100
78	M72	Z	1.209	1.209	0	%100
79	M73	X	-2.094	-2.094	0	%100
80	M73	Z	1.209	1.209	0	%100
81	M74	X	-2.094	-2.094	0	%100
82	M74	Z	1.209	1.209	0	%100
83	M75	X	-2.169	-2.169	0	%100
84	M75	Z	1.252	1.252	0	%100
85	M76	X	-2.169	-2.169	0	%100
86	M76	Z	1.252	1.252	0	%100
87	M77	X	-2.169	-2.169	0	%100
88	M77	Z	1.252	1.252	0	%100
89	M78	X	-2.169	-2.169	0	%100
90	M78	Z	1.252	1.252	0	%100
91	MP4C	X	-9.632	-9.632	0	%100
92	MP4C	Z	5.561	5.561	0	%100
93	MP3C	X	-9.632	-9.632	0	%100
94	MP3C	Z	5.561	5.561	0	%100
95	MP2C	X	-9.632	-9.632	0	%100
96	MP2C	Z	5.561	5.561	0	%100
97	MP1C	X	-9.632	-9.632	0	%100
98	MP1C	Z	5.561	5.561	0	%100
99	M83	X	-1.675	-1.675	0	%100
100	M83	Z	.967	.967	0	%100
101	M84	X	-1.675	-1.675	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
102	M84	Z	.967	.967	0	%100
103	M85	X	-1.675	-1.675	0	%100
104	M85	Z	.967	.967	0	%100
105	M86	X	-1.675	-1.675	0	%100
106	M86	Z	.967	.967	0	%100
107	M95	X	-10.437	-10.437	0	%100
108	M95	Z	6.026	6.026	0	%100
109	M98	X	-1.989	-1.989	0	%100
110	M98	Z	1.148	1.148	0	%100
111	M99	X	-1.989	-1.989	0	%100
112	M99	Z	1.148	1.148	0	%100
113	M108	X	-1.57	-1.57	0	%100
114	M108	Z	.907	.907	0	%100
115	M109	X	-1.57	-1.57	0	%100
116	M109	Z	.907	.907	0	%100
117	M110	X	-1.57	-1.57	0	%100
118	M110	Z	.907	.907	0	%100
119	M111	X	-1.57	-1.57	0	%100
120	M111	Z	.907	.907	0	%100
121	M112	X	-5.279	-5.279	0	%100
122	M112	Z	3.048	3.048	0	%100
123	M113	X	-5.279	-5.279	0	%100
124	M113	Z	3.048	3.048	0	%100
125	M114	X	-.121	-.121	0	%100
126	M114	Z	.07	.07	0	%100
127	M115	X	-.121	-.121	0	%100
128	M115	Z	.07	.07	0	%100
129	M116	X	-.523	-.523	0	%100
130	M116	Z	.302	.302	0	%100
131	M117	X	-.523	-.523	0	%100
132	M117	Z	.302	.302	0	%100
133	M118	X	-.523	-.523	0	%100
134	M118	Z	.302	.302	0	%100
135	M119	X	-.523	-.523	0	%100
136	M119	Z	.302	.302	0	%100
137	M120	X	-2.386	-2.386	0	%100
138	M120	Z	1.378	1.378	0	%100
139	M121	X	-2.386	-2.386	0	%100
140	M121	Z	1.378	1.378	0	%100
141	M122	X	-1.626	-1.626	0	%100
142	M122	Z	.939	.939	0	%100
143	M123	X	-1.626	-1.626	0	%100
144	M123	Z	.939	.939	0	%100
145	MP4B	X	-9.632	-9.632	0	%100
146	MP4B	Z	5.561	5.561	0	%100
147	MP3B	X	-9.632	-9.632	0	%100
148	MP3B	Z	5.561	5.561	0	%100
149	MP2B	X	-9.632	-9.632	0	%100
150	MP2B	Z	5.561	5.561	0	%100
151	MP1B	X	-9.632	-9.632	0	%100
152	MP1B	Z	5.561	5.561	0	%100
153	M128	X	-1.675	-1.675	0	%100
154	M128	Z	.967	.967	0	%100
155	M129	X	-1.675	-1.675	0	%100
156	M129	Z	.967	.967	0	%100
157	M130	X	-1.675	-1.675	0	%100
158	M130	Z	.967	.967	0	%100
159	M131	X	-1.675	-1.675	0	%100
160	M131	Z	.967	.967	0	%100
161	M140	X	-10.437	-10.437	0	%100
162	M140	Z	6.026	6.026	0	%100
163	M138A	X	-1.747	-1.747	0	%100
164	M138A	Z	1.009	1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
165	M138B	X	-.023	-.023	0	%100
166	M138B	Z	.013	.013	0	%100
167	M138C	X	-6.295	-6.295	0	%100
168	M138C	Z	3.634	3.634	0	%100
169	M138D	X	-2.246	-2.246	0	%100
170	M138D	Z	1.297	1.297	0	%100
171	M138E	X	-5.624	-5.624	0	%100
172	M138E	Z	3.247	3.247	0	%100
173	M138F	X	-7.947	-7.947	0	%100
174	M138F	Z	4.588	4.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-2.418	-2.418	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-2.418	-2.418	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-2.418	-2.418	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-2.418	-2.418	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-2.693	-2.693	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-2.693	-2.693	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.693	-2.693	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.693	-2.693	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.254	-2.254	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-2.254	-2.254	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-2.254	-2.254	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-2.254	-2.254	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-11.122	-11.122	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-11.122	-11.122	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-11.122	-11.122	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-11.122	-11.122	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-1.934	-1.934	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.934	-1.934	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-1.934	-1.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M46	Z	0	0	0	%100
51	M47	X	-1.934	-1.934	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	-12.051	-12.051	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	-6.891	-6.891	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	-6.891	-6.891	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	-.604	-.604	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	-.604	-.604	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.604	-.604	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	-.604	-.604	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-.989	-.989	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	-.989	-.989	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	-6.945	-6.945	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-6.945	-6.945	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	-1.813	-1.813	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-1.813	-1.813	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	-1.813	-1.813	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-1.813	-1.813	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-2.002	-2.002	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	-2.002	-2.002	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	-2.881	-2.881	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	-2.881	-2.881	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	-11.122	-11.122	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	-11.122	-11.122	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	-11.122	-11.122	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	-11.122	-11.122	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	-1.934	-1.934	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	-1.934	-1.934	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	-1.934	-1.934	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	-1.934	-1.934	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	-12.051	-12.051	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	-6.891	-6.891	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	-6.891	-6.891	0	%100
112	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M108	X	-.604	-.604	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	-.604	-.604	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	-.604	-.604	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	-.604	-.604	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-6.945	-6.945	0	%100
122	M112	Z	0	0	0	%100
123	M113	X	-6.945	-6.945	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	-.989	-.989	0	%100
126	M114	Z	0	0	0	%100
127	M115	X	-.989	-.989	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	-1.813	-1.813	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	-1.813	-1.813	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	-1.813	-1.813	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	-1.813	-1.813	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-2.881	-2.881	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	-2.881	-2.881	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	-2.002	-2.002	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	-2.002	-2.002	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	-11.122	-11.122	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	-11.122	-11.122	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	-11.122	-11.122	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	-11.122	-11.122	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	-1.934	-1.934	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	-1.934	-1.934	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	-1.934	-1.934	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	-1.934	-1.934	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	-12.051	-12.051	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	-.015	-.015	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	-2.699	-2.699	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	-9.166	-9.166	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	-7.174	-7.174	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	-1.924	-1.924	0	%100
172	M138E	Z	0	0	0	%100
173	M138F	X	-6.598	-6.598	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.989	-1.989	0	%100
2	M1	Z	-1.148	-1.148	0	%100
3	M2	X	-1.989	-1.989	0	%100
4	M2	Z	-1.148	-1.148	0	%100
5	M13	X	-1.57	-1.57	0	%100
6	M13	Z	-.907	-.907	0	%100
7	M14	X	-1.57	-1.57	0	%100
8	M14	Z	-.907	-.907	0	%100
9	M15	X	-1.57	-1.57	0	%100
10	M15	Z	-.907	-.907	0	%100
11	M16	X	-1.57	-1.57	0	%100
12	M16	Z	-.907	-.907	0	%100
13	M17	X	-5.279	-5.279	0	%100
14	M17	Z	-3.048	-3.048	0	%100
15	M18	X	-5.279	-5.279	0	%100
16	M18	Z	-3.048	-3.048	0	%100
17	M19	X	-.121	-.121	0	%100
18	M19	Z	-.07	-.07	0	%100
19	M20	X	-.121	-.121	0	%100
20	M20	Z	-.07	-.07	0	%100
21	M21	X	-.523	-.523	0	%100
22	M21	Z	-.302	-.302	0	%100
23	M22	X	-.523	-.523	0	%100
24	M22	Z	-.302	-.302	0	%100
25	M23	X	-.523	-.523	0	%100
26	M23	Z	-.302	-.302	0	%100
27	M24	X	-.523	-.523	0	%100
28	M24	Z	-.302	-.302	0	%100
29	M25	X	-2.386	-2.386	0	%100
30	M25	Z	-1.378	-1.378	0	%100
31	M26	X	-2.386	-2.386	0	%100
32	M26	Z	-1.378	-1.378	0	%100
33	M27	X	-1.626	-1.626	0	%100
34	M27	Z	-.939	-.939	0	%100
35	M28	X	-1.626	-1.626	0	%100
36	M28	Z	-.939	-.939	0	%100
37	MP4A	X	-9.632	-9.632	0	%100
38	MP4A	Z	-5.561	-5.561	0	%100
39	MP3A	X	-9.632	-9.632	0	%100
40	MP3A	Z	-5.561	-5.561	0	%100
41	MP2A	X	-9.632	-9.632	0	%100
42	MP2A	Z	-5.561	-5.561	0	%100
43	MP1A	X	-9.632	-9.632	0	%100
44	MP1A	Z	-5.561	-5.561	0	%100
45	M44	X	-1.675	-1.675	0	%100
46	M44	Z	-.967	-.967	0	%100
47	M45	X	-1.675	-1.675	0	%100
48	M45	Z	-.967	-.967	0	%100
49	M46	X	-1.675	-1.675	0	%100
50	M46	Z	-.967	-.967	0	%100
51	M47	X	-1.675	-1.675	0	%100
52	M47	Z	-.967	-.967	0	%100
53	M45A	X	-10.437	-10.437	0	%100
54	M45A	Z	-6.026	-6.026	0	%100
55	M53	X	-1.989	-1.989	0	%100
56	M53	Z	-1.148	-1.148	0	%100
57	M54	X	-1.989	-1.989	0	%100
58	M54	Z	-1.148	-1.148	0	%100
59	M63	X	-1.57	-1.57	0	%100
60	M63	Z	-.907	-.907	0	%100
61	M64	X	-1.57	-1.57	0	%100
62	M64	Z	-.907	-.907	0	%100
63	M65	X	-1.57	-1.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M65	Z	-.907	-.907	0	%100
65	M66	X	-1.57	-1.57	0	%100
66	M66	Z	-.907	-.907	0	%100
67	M67	X	-.121	-.121	0	%100
68	M67	Z	-.07	-.07	0	%100
69	M68	X	-.121	-.121	0	%100
70	M68	Z	-.07	-.07	0	%100
71	M69	X	-5.279	-5.279	0	%100
72	M69	Z	-3.048	-3.048	0	%100
73	M70	X	-5.279	-5.279	0	%100
74	M70	Z	-3.048	-3.048	0	%100
75	M71	X	-.523	-.523	0	%100
76	M71	Z	-.302	-.302	0	%100
77	M72	X	-.523	-.523	0	%100
78	M72	Z	-.302	-.302	0	%100
79	M73	X	-.523	-.523	0	%100
80	M73	Z	-.302	-.302	0	%100
81	M74	X	-.523	-.523	0	%100
82	M74	Z	-.302	-.302	0	%100
83	M75	X	-1.626	-1.626	0	%100
84	M75	Z	-.939	-.939	0	%100
85	M76	X	-1.626	-1.626	0	%100
86	M76	Z	-.939	-.939	0	%100
87	M77	X	-2.386	-2.386	0	%100
88	M77	Z	-1.378	-1.378	0	%100
89	M78	X	-2.386	-2.386	0	%100
90	M78	Z	-1.378	-1.378	0	%100
91	MP4C	X	-9.632	-9.632	0	%100
92	MP4C	Z	-5.561	-5.561	0	%100
93	MP3C	X	-9.632	-9.632	0	%100
94	MP3C	Z	-5.561	-5.561	0	%100
95	MP2C	X	-9.632	-9.632	0	%100
96	MP2C	Z	-5.561	-5.561	0	%100
97	MP1C	X	-9.632	-9.632	0	%100
98	MP1C	Z	-5.561	-5.561	0	%100
99	M83	X	-1.675	-1.675	0	%100
100	M83	Z	-.967	-.967	0	%100
101	M84	X	-1.675	-1.675	0	%100
102	M84	Z	-.967	-.967	0	%100
103	M85	X	-1.675	-1.675	0	%100
104	M85	Z	-.967	-.967	0	%100
105	M86	X	-1.675	-1.675	0	%100
106	M86	Z	-.967	-.967	0	%100
107	M95	X	-10.437	-10.437	0	%100
108	M95	Z	-6.026	-6.026	0	%100
109	M98	X	-7.957	-7.957	0	%100
110	M98	Z	-4.594	-4.594	0	%100
111	M99	X	-7.957	-7.957	0	%100
112	M99	Z	-4.594	-4.594	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-3.803	-3.803	0	%100
122	M112	Z	-2.196	-2.196	0	%100
123	M113	X	-3.803	-3.803	0	%100
124	M113	Z	-2.196	-2.196	0	%100
125	M114	X	-3.803	-3.803	0	%100
126	M114	Z	-2.196	-2.196	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
127	M115	X	-3.803	-3.803	0	%100
128	M115	Z	-2.196	-2.196	0	%100
129	M116	X	-2.094	-2.094	0	%100
130	M116	Z	-1.209	-1.209	0	%100
131	M117	X	-2.094	-2.094	0	%100
132	M117	Z	-1.209	-1.209	0	%100
133	M118	X	-2.094	-2.094	0	%100
134	M118	Z	-1.209	-1.209	0	%100
135	M119	X	-2.094	-2.094	0	%100
136	M119	Z	-1.209	-1.209	0	%100
137	M120	X	-2.169	-2.169	0	%100
138	M120	Z	-1.252	-1.252	0	%100
139	M121	X	-2.169	-2.169	0	%100
140	M121	Z	-1.252	-1.252	0	%100
141	M122	X	-2.169	-2.169	0	%100
142	M122	Z	-1.252	-1.252	0	%100
143	M123	X	-2.169	-2.169	0	%100
144	M123	Z	-1.252	-1.252	0	%100
145	MP4B	X	-9.632	-9.632	0	%100
146	MP4B	Z	-5.561	-5.561	0	%100
147	MP3B	X	-9.632	-9.632	0	%100
148	MP3B	Z	-5.561	-5.561	0	%100
149	MP2B	X	-9.632	-9.632	0	%100
150	MP2B	Z	-5.561	-5.561	0	%100
151	MP1B	X	-9.632	-9.632	0	%100
152	MP1B	Z	-5.561	-5.561	0	%100
153	M128	X	-1.675	-1.675	0	%100
154	M128	Z	-.967	-.967	0	%100
155	M129	X	-1.675	-1.675	0	%100
156	M129	Z	-.967	-.967	0	%100
157	M130	X	-1.675	-1.675	0	%100
158	M130	Z	-.967	-.967	0	%100
159	M131	X	-1.675	-1.675	0	%100
160	M131	Z	-.967	-.967	0	%100
161	M140	X	-10.437	-10.437	0	%100
162	M140	Z	-6.026	-6.026	0	%100
163	M138A	X	-2.246	-2.246	0	%100
164	M138A	Z	-1.297	-1.297	0	%100
165	M138B	X	-6.295	-6.295	0	%100
166	M138B	Z	-3.634	-3.634	0	%100
167	M138C	X	-5.624	-5.624	0	%100
168	M138C	Z	-3.247	-3.247	0	%100
169	M138D	X	-7.947	-7.947	0	%100
170	M138D	Z	-4.588	-4.588	0	%100
171	M138E	X	-.023	-.023	0	%100
172	M138E	Z	-.013	-.013	0	%100
173	M138F	X	-1.747	-1.747	0	%100
174	M138F	Z	-1.009	-1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.445	-3.445	0	%100
2	M1	Z	-5.968	-5.968	0	%100
3	M2	X	-3.445	-3.445	0	%100
4	M2	Z	-5.968	-5.968	0	%100
5	M13	X	-.302	-.302	0	%100
6	M13	Z	-.523	-.523	0	%100
7	M14	X	-.302	-.302	0	%100
8	M14	Z	-.523	-.523	0	%100
9	M15	X	-.302	-.302	0	%100
10	M15	Z	-.523	-.523	0	%100
11	M16	X	-.302	-.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M16	Z	-.523	-.523	0	%100
13	M17	X	-3.472	-3.472	0	%100
14	M17	Z	-6.014	-6.014	0	%100
15	M18	X	-3.472	-3.472	0	%100
16	M18	Z	-6.014	-6.014	0	%100
17	M19	X	-.494	-.494	0	%100
18	M19	Z	-.856	-.856	0	%100
19	M20	X	-.494	-.494	0	%100
20	M20	Z	-.856	-.856	0	%100
21	M21	X	-.907	-.907	0	%100
22	M21	Z	-1.57	-1.57	0	%100
23	M22	X	-.907	-.907	0	%100
24	M22	Z	-1.57	-1.57	0	%100
25	M23	X	-.907	-.907	0	%100
26	M23	Z	-1.57	-1.57	0	%100
27	M24	X	-.907	-.907	0	%100
28	M24	Z	-1.57	-1.57	0	%100
29	M25	X	-1.44	-1.44	0	%100
30	M25	Z	-2.495	-2.495	0	%100
31	M26	X	-1.44	-1.44	0	%100
32	M26	Z	-2.495	-2.495	0	%100
33	M27	X	-1.001	-1.001	0	%100
34	M27	Z	-1.734	-1.734	0	%100
35	M28	X	-1.001	-1.001	0	%100
36	M28	Z	-1.734	-1.734	0	%100
37	MP4A	X	-5.561	-5.561	0	%100
38	MP4A	Z	-9.632	-9.632	0	%100
39	MP3A	X	-5.561	-5.561	0	%100
40	MP3A	Z	-9.632	-9.632	0	%100
41	MP2A	X	-5.561	-5.561	0	%100
42	MP2A	Z	-9.632	-9.632	0	%100
43	MP1A	X	-5.561	-5.561	0	%100
44	MP1A	Z	-9.632	-9.632	0	%100
45	M44	X	-.967	-.967	0	%100
46	M44	Z	-1.675	-1.675	0	%100
47	M45	X	-.967	-.967	0	%100
48	M45	Z	-1.675	-1.675	0	%100
49	M46	X	-.967	-.967	0	%100
50	M46	Z	-1.675	-1.675	0	%100
51	M47	X	-.967	-.967	0	%100
52	M47	Z	-1.675	-1.675	0	%100
53	M45A	X	-6.026	-6.026	0	%100
54	M45A	Z	-10.437	-10.437	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	-1.209	-1.209	0	%100
60	M63	Z	-2.094	-2.094	0	%100
61	M64	X	-1.209	-1.209	0	%100
62	M64	Z	-2.094	-2.094	0	%100
63	M65	X	-1.209	-1.209	0	%100
64	M65	Z	-2.094	-2.094	0	%100
65	M66	X	-1.209	-1.209	0	%100
66	M66	Z	-2.094	-2.094	0	%100
67	M67	X	-1.346	-1.346	0	%100
68	M67	Z	-2.332	-2.332	0	%100
69	M68	X	-1.346	-1.346	0	%100
70	M68	Z	-2.332	-2.332	0	%100
71	M69	X	-1.346	-1.346	0	%100
72	M69	Z	-2.332	-2.332	0	%100
73	M70	X	-1.346	-1.346	0	%100
74	M70	Z	-2.332	-2.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-1.127	-1.127	0	%100
84	M75	Z	-1.952	-1.952	0	%100
85	M76	X	-1.127	-1.127	0	%100
86	M76	Z	-1.952	-1.952	0	%100
87	M77	X	-1.127	-1.127	0	%100
88	M77	Z	-1.952	-1.952	0	%100
89	M78	X	-1.127	-1.127	0	%100
90	M78	Z	-1.952	-1.952	0	%100
91	MP4C	X	-5.561	-5.561	0	%100
92	MP4C	Z	-9.632	-9.632	0	%100
93	MP3C	X	-5.561	-5.561	0	%100
94	MP3C	Z	-9.632	-9.632	0	%100
95	MP2C	X	-5.561	-5.561	0	%100
96	MP2C	Z	-9.632	-9.632	0	%100
97	MP1C	X	-5.561	-5.561	0	%100
98	MP1C	Z	-9.632	-9.632	0	%100
99	M83	X	-.967	-.967	0	%100
100	M83	Z	-1.675	-1.675	0	%100
101	M84	X	-.967	-.967	0	%100
102	M84	Z	-1.675	-1.675	0	%100
103	M85	X	-.967	-.967	0	%100
104	M85	Z	-1.675	-1.675	0	%100
105	M86	X	-.967	-.967	0	%100
106	M86	Z	-1.675	-1.675	0	%100
107	M95	X	-6.026	-6.026	0	%100
108	M95	Z	-10.437	-10.437	0	%100
109	M98	X	-3.445	-3.445	0	%100
110	M98	Z	-5.968	-5.968	0	%100
111	M99	X	-3.445	-3.445	0	%100
112	M99	Z	-5.968	-5.968	0	%100
113	M108	X	-.302	-.302	0	%100
114	M108	Z	-.523	-.523	0	%100
115	M109	X	-.302	-.302	0	%100
116	M109	Z	-.523	-.523	0	%100
117	M110	X	-.302	-.302	0	%100
118	M110	Z	-.523	-.523	0	%100
119	M111	X	-.302	-.302	0	%100
120	M111	Z	-.523	-.523	0	%100
121	M112	X	-.494	-.494	0	%100
122	M112	Z	-.856	-.856	0	%100
123	M113	X	-.494	-.494	0	%100
124	M113	Z	-.856	-.856	0	%100
125	M114	X	-3.472	-3.472	0	%100
126	M114	Z	-6.014	-6.014	0	%100
127	M115	X	-3.472	-3.472	0	%100
128	M115	Z	-6.014	-6.014	0	%100
129	M116	X	-.907	-.907	0	%100
130	M116	Z	-1.57	-1.57	0	%100
131	M117	X	-.907	-.907	0	%100
132	M117	Z	-1.57	-1.57	0	%100
133	M118	X	-.907	-.907	0	%100
134	M118	Z	-1.57	-1.57	0	%100
135	M119	X	-.907	-.907	0	%100
136	M119	Z	-1.57	-1.57	0	%100
137	M120	X	-1.001	-1.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
138	M120	Z	-1.734	-1.734	0	%100
139	M121	X	-1.001	-1.001	0	%100
140	M121	Z	-1.734	-1.734	0	%100
141	M122	X	-1.44	-1.44	0	%100
142	M122	Z	-2.495	-2.495	0	%100
143	M123	X	-1.44	-1.44	0	%100
144	M123	Z	-2.495	-2.495	0	%100
145	MP4B	X	-5.561	-5.561	0	%100
146	MP4B	Z	-9.632	-9.632	0	%100
147	MP3B	X	-5.561	-5.561	0	%100
148	MP3B	Z	-9.632	-9.632	0	%100
149	MP2B	X	-5.561	-5.561	0	%100
150	MP2B	Z	-9.632	-9.632	0	%100
151	MP1B	X	-5.561	-5.561	0	%100
152	MP1B	Z	-9.632	-9.632	0	%100
153	M128	X	-.967	-.967	0	%100
154	M128	Z	-1.675	-1.675	0	%100
155	M129	X	-.967	-.967	0	%100
156	M129	Z	-1.675	-1.675	0	%100
157	M130	X	-.967	-.967	0	%100
158	M130	Z	-1.675	-1.675	0	%100
159	M131	X	-.967	-.967	0	%100
160	M131	Z	-1.675	-1.675	0	%100
161	M140	X	-6.026	-6.026	0	%100
162	M140	Z	-10.437	-10.437	0	%100
163	M138A	X	-3.587	-3.587	0	%100
164	M138A	Z	-6.213	-6.213	0	%100
165	M138B	X	-4.583	-4.583	0	%100
166	M138B	Z	-7.938	-7.938	0	%100
167	M138C	X	-.962	-.962	0	%100
168	M138C	Z	-1.666	-1.666	0	%100
169	M138D	X	-3.299	-3.299	0	%100
170	M138D	Z	-5.714	-5.714	0	%100
171	M138E	X	-1.35	-1.35	0	%100
172	M138E	Z	-2.338	-2.338	0	%100
173	M138F	X	-.008	-.008	0	%100
174	M138F	Z	-.013	-.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.927	-2.927	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.927	-2.927	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-1.401	-1.401	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-1.401	-1.401	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.401	-1.401	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.401	-1.401	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.242	-1.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M22	X	0	0	0	%100
24	M22	Z	-1.242	-1.242	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.242	-1.242	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.242	-1.242	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.571	-1.571	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.571	-1.571	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.571	-1.571	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.571	-1.571	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-3.236	-3.236	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-3.236	-3.236	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-3.236	-3.236	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-3.236	-3.236	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.55	-1.55	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.55	-1.55	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-1.55	-1.55	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-1.55	-1.55	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	-3.778	-3.778	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	-.732	-.732	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-.732	-.732	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-.927	-.927	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-.927	-.927	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-.927	-.927	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-.927	-.927	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-1.944	-1.944	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-1.944	-1.944	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-.044	-.044	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.044	-.044	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-.311	-.311	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-.311	-.311	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-.311	-.311	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-.311	-.311	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	-1.728	-1.728	0	%100
85	M76	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	M76	Z	-1.728	-1.728	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-1.177	-1.177	0	%100
89	M78	X	0	0	0	%100
90	M78	Z	-1.177	-1.177	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-3.236	-3.236	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-3.236	-3.236	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-3.236	-3.236	0	%100
97	MP1C	X	0	0	0	%100
98	MP1C	Z	-3.236	-3.236	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	-1.55	-1.55	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	-1.55	-1.55	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	-1.55	-1.55	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	-1.55	-1.55	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	-3.778	-3.778	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-.732	-.732	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	-.732	-.732	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	-.927	-.927	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	-.927	-.927	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	-.927	-.927	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	-.927	-.927	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	-.044	-.044	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	-.044	-.044	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	-1.944	-1.944	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	-1.944	-1.944	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	-.311	-.311	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	-.311	-.311	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	-.311	-.311	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	-.311	-.311	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	-1.177	-1.177	0	%100
139	M121	X	0	0	0	%100
140	M121	Z	-1.177	-1.177	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	-1.728	-1.728	0	%100
143	M123	X	0	0	0	%100
144	M123	Z	-1.728	-1.728	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	-3.236	-3.236	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	-3.236	-3.236	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
149	MP2B	X	0	0	0	%100
150	MP2B	Z	-3.236	-3.236	0	%100
151	MP1B	X	0	0	0	%100
152	MP1B	Z	-3.236	-3.236	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	-1.55	-1.55	0	%100
155	M129	X	0	0	0	%100
156	M129	Z	-1.55	-1.55	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	-1.55	-1.55	0	%100
159	M131	X	0	0	0	%100
160	M131	Z	-1.55	-1.55	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	-3.778	-3.778	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	-2.923	-2.923	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	-2.069	-2.069	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	-.009	-.009	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	-.643	-.643	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	-2.316	-2.316	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	-.826	-.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.098	1.098	0	%100
2	M1	Z	-1.901	-1.901	0	%100
3	M2	X	1.098	1.098	0	%100
4	M2	Z	-1.901	-1.901	0	%100
5	M13	X	.155	.155	0	%100
6	M13	Z	-.268	-.268	0	%100
7	M14	X	.155	.155	0	%100
8	M14	Z	-.268	-.268	0	%100
9	M15	X	.155	.155	0	%100
10	M15	Z	-.268	-.268	0	%100
11	M16	X	.155	.155	0	%100
12	M16	Z	-.268	-.268	0	%100
13	M17	X	.158	.158	0	%100
14	M17	Z	-.273	-.273	0	%100
15	M18	X	.158	.158	0	%100
16	M18	Z	-.273	-.273	0	%100
17	M19	X	1.108	1.108	0	%100
18	M19	Z	-1.918	-1.918	0	%100
19	M20	X	1.108	1.108	0	%100
20	M20	Z	-1.918	-1.918	0	%100
21	M21	X	.466	.466	0	%100
22	M21	Z	-.807	-.807	0	%100
23	M22	X	.466	.466	0	%100
24	M22	Z	-.807	-.807	0	%100
25	M23	X	.466	.466	0	%100
26	M23	Z	-.807	-.807	0	%100
27	M24	X	.466	.466	0	%100
28	M24	Z	-.807	-.807	0	%100
29	M25	X	.628	.628	0	%100
30	M25	Z	-1.088	-1.088	0	%100
31	M26	X	.628	.628	0	%100
32	M26	Z	-1.088	-1.088	0	%100
33	M27	X	.903	.903	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M27	Z	-1.565	-1.565	0	%100
35	M28	X	.903	.903	0	%100
36	M28	Z	-1.565	-1.565	0	%100
37	MP4A	X	1.618	1.618	0	%100
38	MP4A	Z	-2.803	-2.803	0	%100
39	MP3A	X	1.618	1.618	0	%100
40	MP3A	Z	-2.803	-2.803	0	%100
41	MP2A	X	1.618	1.618	0	%100
42	MP2A	Z	-2.803	-2.803	0	%100
43	MP1A	X	1.618	1.618	0	%100
44	MP1A	Z	-2.803	-2.803	0	%100
45	M44	X	.775	.775	0	%100
46	M44	Z	-1.343	-1.343	0	%100
47	M45	X	.775	.775	0	%100
48	M45	Z	-1.343	-1.343	0	%100
49	M46	X	.775	.775	0	%100
50	M46	Z	-1.343	-1.343	0	%100
51	M47	X	.775	.775	0	%100
52	M47	Z	-1.343	-1.343	0	%100
53	M45A	X	1.889	1.889	0	%100
54	M45A	Z	-3.272	-3.272	0	%100
55	M53	X	1.098	1.098	0	%100
56	M53	Z	-1.901	-1.901	0	%100
57	M54	X	1.098	1.098	0	%100
58	M54	Z	-1.901	-1.901	0	%100
59	M63	X	.155	.155	0	%100
60	M63	Z	-.268	-.268	0	%100
61	M64	X	.155	.155	0	%100
62	M64	Z	-.268	-.268	0	%100
63	M65	X	.155	.155	0	%100
64	M65	Z	-.268	-.268	0	%100
65	M66	X	.155	.155	0	%100
66	M66	Z	-.268	-.268	0	%100
67	M67	X	1.108	1.108	0	%100
68	M67	Z	-1.918	-1.918	0	%100
69	M68	X	1.108	1.108	0	%100
70	M68	Z	-1.918	-1.918	0	%100
71	M69	X	.158	.158	0	%100
72	M69	Z	-.273	-.273	0	%100
73	M70	X	.158	.158	0	%100
74	M70	Z	-.273	-.273	0	%100
75	M71	X	.466	.466	0	%100
76	M71	Z	-.807	-.807	0	%100
77	M72	X	.466	.466	0	%100
78	M72	Z	-.807	-.807	0	%100
79	M73	X	.466	.466	0	%100
80	M73	Z	-.807	-.807	0	%100
81	M74	X	.466	.466	0	%100
82	M74	Z	-.807	-.807	0	%100
83	M75	X	.903	.903	0	%100
84	M75	Z	-1.565	-1.565	0	%100
85	M76	X	.903	.903	0	%100
86	M76	Z	-1.565	-1.565	0	%100
87	M77	X	.628	.628	0	%100
88	M77	Z	-1.088	-1.088	0	%100
89	M78	X	.628	.628	0	%100
90	M78	Z	-1.088	-1.088	0	%100
91	MP4C	X	1.618	1.618	0	%100
92	MP4C	Z	-2.803	-2.803	0	%100
93	MP3C	X	1.618	1.618	0	%100
94	MP3C	Z	-2.803	-2.803	0	%100
95	MP2C	X	1.618	1.618	0	%100
96	MP2C	Z	-2.803	-2.803	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP1C	X	1.618	1.618	0	%100
98	MP1C	Z	-2.803	-2.803	0	%100
99	M83	X	.775	.775	0	%100
100	M83	Z	-1.343	-1.343	0	%100
101	M84	X	.775	.775	0	%100
102	M84	Z	-1.343	-1.343	0	%100
103	M85	X	.775	.775	0	%100
104	M85	Z	-1.343	-1.343	0	%100
105	M86	X	.775	.775	0	%100
106	M86	Z	-1.343	-1.343	0	%100
107	M95	X	1.889	1.889	0	%100
108	M95	Z	-3.272	-3.272	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	.618	.618	0	%100
114	M108	Z	-1.071	-1.071	0	%100
115	M109	X	.618	.618	0	%100
116	M109	Z	-1.071	-1.071	0	%100
117	M110	X	.618	.618	0	%100
118	M110	Z	-1.071	-1.071	0	%100
119	M111	X	.618	.618	0	%100
120	M111	Z	-1.071	-1.071	0	%100
121	M112	X	.429	.429	0	%100
122	M112	Z	-.744	-.744	0	%100
123	M113	X	.429	.429	0	%100
124	M113	Z	-.744	-.744	0	%100
125	M114	X	.429	.429	0	%100
126	M114	Z	-.744	-.744	0	%100
127	M115	X	.429	.429	0	%100
128	M115	Z	-.744	-.744	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	.707	.707	0	%100
138	M120	Z	-1.224	-1.224	0	%100
139	M121	X	.707	.707	0	%100
140	M121	Z	-1.224	-1.224	0	%100
141	M122	X	.707	.707	0	%100
142	M122	Z	-1.224	-1.224	0	%100
143	M123	X	.707	.707	0	%100
144	M123	Z	-1.224	-1.224	0	%100
145	MP4B	X	1.618	1.618	0	%100
146	MP4B	Z	-2.803	-2.803	0	%100
147	MP3B	X	1.618	1.618	0	%100
148	MP3B	Z	-2.803	-2.803	0	%100
149	MP2B	X	1.618	1.618	0	%100
150	MP2B	Z	-2.803	-2.803	0	%100
151	MP1B	X	1.618	1.618	0	%100
152	MP1B	Z	-2.803	-2.803	0	%100
153	M128	X	.775	.775	0	%100
154	M128	Z	-1.343	-1.343	0	%100
155	M129	X	.775	.775	0	%100
156	M129	Z	-1.343	-1.343	0	%100
157	M130	X	.775	.775	0	%100
158	M130	Z	-1.343	-1.343	0	%100
159	M131	X	.775	.775	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
160	M131	Z	-1.343	-1.343	0	%100
161	M140	X	1.889	1.889	0	%100
162	M140	Z	-3.272	-3.272	0	%100
163	M138A	X	1.051	1.051	0	%100
164	M138A	Z	-1.82	-1.82	0	%100
165	M138B	X	.306	.306	0	%100
166	M138B	Z	-.531	-.531	0	%100
167	M138C	X	.43	.43	0	%100
168	M138C	Z	-.745	-.745	0	%100
169	M138D	X	.002	.002	0	%100
170	M138D	Z	-.004	-.004	0	%100
171	M138E	X	1.46	1.46	0	%100
172	M138E	Z	-2.529	-2.529	0	%100
173	M138F	X	1.143	1.143	0	%100
174	M138F	Z	-1.979	-1.979	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.634	.634	0	%100
2	M1	Z	-.366	-.366	0	%100
3	M2	X	.634	.634	0	%100
4	M2	Z	-.366	-.366	0	%100
5	M13	X	.803	.803	0	%100
6	M13	Z	-.464	-.464	0	%100
7	M14	X	.803	.803	0	%100
8	M14	Z	-.464	-.464	0	%100
9	M15	X	.803	.803	0	%100
10	M15	Z	-.464	-.464	0	%100
11	M16	X	.803	.803	0	%100
12	M16	Z	-.464	-.464	0	%100
13	M17	X	.039	.039	0	%100
14	M17	Z	-.022	-.022	0	%100
15	M18	X	.039	.039	0	%100
16	M18	Z	-.022	-.022	0	%100
17	M19	X	1.684	1.684	0	%100
18	M19	Z	-.972	-.972	0	%100
19	M20	X	1.684	1.684	0	%100
20	M20	Z	-.972	-.972	0	%100
21	M21	X	.269	.269	0	%100
22	M21	Z	-.155	-.155	0	%100
23	M22	X	.269	.269	0	%100
24	M22	Z	-.155	-.155	0	%100
25	M23	X	.269	.269	0	%100
26	M23	Z	-.155	-.155	0	%100
27	M24	X	.269	.269	0	%100
28	M24	Z	-.155	-.155	0	%100
29	M25	X	1.02	1.02	0	%100
30	M25	Z	-.589	-.589	0	%100
31	M26	X	1.02	1.02	0	%100
32	M26	Z	-.589	-.589	0	%100
33	M27	X	1.497	1.497	0	%100
34	M27	Z	-.864	-.864	0	%100
35	M28	X	1.497	1.497	0	%100
36	M28	Z	-.864	-.864	0	%100
37	MP4A	X	2.803	2.803	0	%100
38	MP4A	Z	-1.618	-1.618	0	%100
39	MP3A	X	2.803	2.803	0	%100
40	MP3A	Z	-1.618	-1.618	0	%100
41	MP2A	X	2.803	2.803	0	%100
42	MP2A	Z	-1.618	-1.618	0	%100
43	MP1A	X	2.803	2.803	0	%100
44	MP1A	Z	-1.618	-1.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M44	X	1.343	1.343	0	%100
46	M44	Z	-.775	-.775	0	%100
47	M45	X	1.343	1.343	0	%100
48	M45	Z	-.775	-.775	0	%100
49	M46	X	1.343	1.343	0	%100
50	M46	Z	-.775	-.775	0	%100
51	M47	X	1.343	1.343	0	%100
52	M47	Z	-.775	-.775	0	%100
53	M45A	X	3.272	3.272	0	%100
54	M45A	Z	-1.889	-1.889	0	%100
55	M53	X	2.535	2.535	0	%100
56	M53	Z	-1.463	-1.463	0	%100
57	M54	X	2.535	2.535	0	%100
58	M54	Z	-1.463	-1.463	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	1.213	1.213	0	%100
68	M67	Z	-.7	-.7	0	%100
69	M68	X	1.213	1.213	0	%100
70	M68	Z	-.7	-.7	0	%100
71	M69	X	1.213	1.213	0	%100
72	M69	Z	-.7	-.7	0	%100
73	M70	X	1.213	1.213	0	%100
74	M70	Z	-.7	-.7	0	%100
75	M71	X	1.076	1.076	0	%100
76	M71	Z	-.621	-.621	0	%100
77	M72	X	1.076	1.076	0	%100
78	M72	Z	-.621	-.621	0	%100
79	M73	X	1.076	1.076	0	%100
80	M73	Z	-.621	-.621	0	%100
81	M74	X	1.076	1.076	0	%100
82	M74	Z	-.621	-.621	0	%100
83	M75	X	1.36	1.36	0	%100
84	M75	Z	-.785	-.785	0	%100
85	M76	X	1.36	1.36	0	%100
86	M76	Z	-.785	-.785	0	%100
87	M77	X	1.36	1.36	0	%100
88	M77	Z	-.785	-.785	0	%100
89	M78	X	1.36	1.36	0	%100
90	M78	Z	-.785	-.785	0	%100
91	MP4C	X	2.803	2.803	0	%100
92	MP4C	Z	-1.618	-1.618	0	%100
93	MP3C	X	2.803	2.803	0	%100
94	MP3C	Z	-1.618	-1.618	0	%100
95	MP2C	X	2.803	2.803	0	%100
96	MP2C	Z	-1.618	-1.618	0	%100
97	MP1C	X	2.803	2.803	0	%100
98	MP1C	Z	-1.618	-1.618	0	%100
99	M83	X	1.343	1.343	0	%100
100	M83	Z	-.775	-.775	0	%100
101	M84	X	1.343	1.343	0	%100
102	M84	Z	-.775	-.775	0	%100
103	M85	X	1.343	1.343	0	%100
104	M85	Z	-.775	-.775	0	%100
105	M86	X	1.343	1.343	0	%100
106	M86	Z	-.775	-.775	0	%100
107	M95	X	3.272	3.272	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	M95	Z	-1.889	-1.889	0	%100
109	M98	X	.634	.634	0	%100
110	M98	Z	-.366	-.366	0	%100
111	M99	X	.634	.634	0	%100
112	M99	Z	-.366	-.366	0	%100
113	M108	X	.803	.803	0	%100
114	M108	Z	-.464	-.464	0	%100
115	M109	X	.803	.803	0	%100
116	M109	Z	-.464	-.464	0	%100
117	M110	X	.803	.803	0	%100
118	M110	Z	-.464	-.464	0	%100
119	M111	X	.803	.803	0	%100
120	M111	Z	-.464	-.464	0	%100
121	M112	X	1.684	1.684	0	%100
122	M112	Z	-.972	-.972	0	%100
123	M113	X	1.684	1.684	0	%100
124	M113	Z	-.972	-.972	0	%100
125	M114	X	.039	.039	0	%100
126	M114	Z	-.022	-.022	0	%100
127	M115	X	.039	.039	0	%100
128	M115	Z	-.022	-.022	0	%100
129	M116	X	.269	.269	0	%100
130	M116	Z	-.155	-.155	0	%100
131	M117	X	.269	.269	0	%100
132	M117	Z	-.155	-.155	0	%100
133	M118	X	.269	.269	0	%100
134	M118	Z	-.155	-.155	0	%100
135	M119	X	.269	.269	0	%100
136	M119	Z	-.155	-.155	0	%100
137	M120	X	1.497	1.497	0	%100
138	M120	Z	-.864	-.864	0	%100
139	M121	X	1.497	1.497	0	%100
140	M121	Z	-.864	-.864	0	%100
141	M122	X	1.02	1.02	0	%100
142	M122	Z	-.589	-.589	0	%100
143	M123	X	1.02	1.02	0	%100
144	M123	Z	-.589	-.589	0	%100
145	MP4B	X	2.803	2.803	0	%100
146	MP4B	Z	-1.618	-1.618	0	%100
147	MP3B	X	2.803	2.803	0	%100
148	MP3B	Z	-1.618	-1.618	0	%100
149	MP2B	X	2.803	2.803	0	%100
150	MP2B	Z	-1.618	-1.618	0	%100
151	MP1B	X	2.803	2.803	0	%100
152	MP1B	Z	-1.618	-1.618	0	%100
153	M128	X	1.343	1.343	0	%100
154	M128	Z	-.775	-.775	0	%100
155	M129	X	1.343	1.343	0	%100
156	M129	Z	-.775	-.775	0	%100
157	M130	X	1.343	1.343	0	%100
158	M130	Z	-.775	-.775	0	%100
159	M131	X	1.343	1.343	0	%100
160	M131	Z	-.775	-.775	0	%100
161	M140	X	3.272	3.272	0	%100
162	M140	Z	-1.889	-1.889	0	%100
163	M138A	X	.557	.557	0	%100
164	M138A	Z	-.321	-.321	0	%100
165	M138B	X	.007	.007	0	%100
166	M138B	Z	-.004	-.004	0	%100
167	M138C	X	2.005	2.005	0	%100
168	M138C	Z	-1.158	-1.158	0	%100
169	M138D	X	.715	.715	0	%100
170	M138D	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,F...	Start Location[ft,%]	End Location[ft,%]
171	M138E	X	1.791	1.791	0	%100
172	M138E	Z	-1.034	-1.034	0	%100
173	M138F	X	2.531	2.531	0	%100
174	M138F	Z	-1.461	-1.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.237	1.237	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.237	1.237	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.237	1.237	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.237	1.237	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.859	.859	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.859	.859	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.859	.859	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.859	.859	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.414	1.414	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.414	1.414	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.414	1.414	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.414	1.414	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	3.236	3.236	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	3.236	3.236	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	3.236	3.236	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	3.236	3.236	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	1.55	1.55	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	1.55	1.55	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	1.55	1.55	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	1.55	1.55	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	3.778	3.778	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	2.195	2.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
56	M53	Z	0	0	0	%100
57	M54	X	2.195	2.195	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	.309	.309	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	.309	.309	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.309	.309	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	.309	.309	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	.315	.315	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	.315	.315	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	2.215	2.215	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	2.215	2.215	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	.932	.932	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	.932	.932	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	.932	.932	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	.932	.932	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	1.256	1.256	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	1.256	1.256	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	1.807	1.807	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	1.807	1.807	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	3.236	3.236	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	3.236	3.236	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	3.236	3.236	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	3.236	3.236	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	1.55	1.55	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	1.55	1.55	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	1.55	1.55	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	1.55	1.55	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	3.778	3.778	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	2.195	2.195	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	2.195	2.195	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	.309	.309	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	.309	.309	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	.309	.309	0	%100
118	M110	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	M111	X	.309	.309	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	2.215	2.215	0	%100
122	M112	Z	0	0	0	%100
123	M113	X	2.215	2.215	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	.315	.315	0	%100
126	M114	Z	0	0	0	%100
127	M115	X	.315	.315	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	.932	.932	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	.932	.932	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	.932	.932	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	.932	.932	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	1.807	1.807	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	1.807	1.807	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	1.256	1.256	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	1.256	1.256	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	3.236	3.236	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	3.236	3.236	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	3.236	3.236	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	3.236	3.236	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	1.55	1.55	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	1.55	1.55	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	1.55	1.55	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	1.55	1.55	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	3.778	3.778	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	.005	.005	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	.86	.86	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	2.92	2.92	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	2.285	2.285	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	.613	.613	0	%100
172	M138E	Z	0	0	0	%100
173	M138F	X	2.102	2.102	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.634	.634	0	%100
2	M1	Z	.366	.366	0	%100
3	M2	X	.634	.634	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	.366	.366	0	%100
5	M13	X	.803	.803	0	%100
6	M13	Z	.464	.464	0	%100
7	M14	X	.803	.803	0	%100
8	M14	Z	.464	.464	0	%100
9	M15	X	.803	.803	0	%100
10	M15	Z	.464	.464	0	%100
11	M16	X	.803	.803	0	%100
12	M16	Z	.464	.464	0	%100
13	M17	X	1.684	1.684	0	%100
14	M17	Z	.972	.972	0	%100
15	M18	X	1.684	1.684	0	%100
16	M18	Z	.972	.972	0	%100
17	M19	X	.039	.039	0	%100
18	M19	Z	.022	.022	0	%100
19	M20	X	.039	.039	0	%100
20	M20	Z	.022	.022	0	%100
21	M21	X	.269	.269	0	%100
22	M21	Z	.155	.155	0	%100
23	M22	X	.269	.269	0	%100
24	M22	Z	.155	.155	0	%100
25	M23	X	.269	.269	0	%100
26	M23	Z	.155	.155	0	%100
27	M24	X	.269	.269	0	%100
28	M24	Z	.155	.155	0	%100
29	M25	X	1.497	1.497	0	%100
30	M25	Z	.864	.864	0	%100
31	M26	X	1.497	1.497	0	%100
32	M26	Z	.864	.864	0	%100
33	M27	X	1.02	1.02	0	%100
34	M27	Z	.589	.589	0	%100
35	M28	X	1.02	1.02	0	%100
36	M28	Z	.589	.589	0	%100
37	MP4A	X	2.803	2.803	0	%100
38	MP4A	Z	1.618	1.618	0	%100
39	MP3A	X	2.803	2.803	0	%100
40	MP3A	Z	1.618	1.618	0	%100
41	MP2A	X	2.803	2.803	0	%100
42	MP2A	Z	1.618	1.618	0	%100
43	MP1A	X	2.803	2.803	0	%100
44	MP1A	Z	1.618	1.618	0	%100
45	M44	X	1.343	1.343	0	%100
46	M44	Z	.775	.775	0	%100
47	M45	X	1.343	1.343	0	%100
48	M45	Z	.775	.775	0	%100
49	M46	X	1.343	1.343	0	%100
50	M46	Z	.775	.775	0	%100
51	M47	X	1.343	1.343	0	%100
52	M47	Z	.775	.775	0	%100
53	M45A	X	3.272	3.272	0	%100
54	M45A	Z	1.889	1.889	0	%100
55	M53	X	.634	.634	0	%100
56	M53	Z	.366	.366	0	%100
57	M54	X	.634	.634	0	%100
58	M54	Z	.366	.366	0	%100
59	M63	X	.803	.803	0	%100
60	M63	Z	.464	.464	0	%100
61	M64	X	.803	.803	0	%100
62	M64	Z	.464	.464	0	%100
63	M65	X	.803	.803	0	%100
64	M65	Z	.464	.464	0	%100
65	M66	X	.803	.803	0	%100
66	M66	Z	.464	.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M67	X	.039	.039	0	%100
68	M67	Z	.022	.022	0	%100
69	M68	X	.039	.039	0	%100
70	M68	Z	.022	.022	0	%100
71	M69	X	1.684	1.684	0	%100
72	M69	Z	.972	.972	0	%100
73	M70	X	1.684	1.684	0	%100
74	M70	Z	.972	.972	0	%100
75	M71	X	.269	.269	0	%100
76	M71	Z	.155	.155	0	%100
77	M72	X	.269	.269	0	%100
78	M72	Z	.155	.155	0	%100
79	M73	X	.269	.269	0	%100
80	M73	Z	.155	.155	0	%100
81	M74	X	.269	.269	0	%100
82	M74	Z	.155	.155	0	%100
83	M75	X	1.02	1.02	0	%100
84	M75	Z	.589	.589	0	%100
85	M76	X	1.02	1.02	0	%100
86	M76	Z	.589	.589	0	%100
87	M77	X	1.497	1.497	0	%100
88	M77	Z	.864	.864	0	%100
89	M78	X	1.497	1.497	0	%100
90	M78	Z	.864	.864	0	%100
91	MP4C	X	2.803	2.803	0	%100
92	MP4C	Z	1.618	1.618	0	%100
93	MP3C	X	2.803	2.803	0	%100
94	MP3C	Z	1.618	1.618	0	%100
95	MP2C	X	2.803	2.803	0	%100
96	MP2C	Z	1.618	1.618	0	%100
97	MP1C	X	2.803	2.803	0	%100
98	MP1C	Z	1.618	1.618	0	%100
99	M83	X	1.343	1.343	0	%100
100	M83	Z	.775	.775	0	%100
101	M84	X	1.343	1.343	0	%100
102	M84	Z	.775	.775	0	%100
103	M85	X	1.343	1.343	0	%100
104	M85	Z	.775	.775	0	%100
105	M86	X	1.343	1.343	0	%100
106	M86	Z	.775	.775	0	%100
107	M95	X	3.272	3.272	0	%100
108	M95	Z	1.889	1.889	0	%100
109	M98	X	2.535	2.535	0	%100
110	M98	Z	1.463	1.463	0	%100
111	M99	X	2.535	2.535	0	%100
112	M99	Z	1.463	1.463	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	1.213	1.213	0	%100
122	M112	Z	.7	.7	0	%100
123	M113	X	1.213	1.213	0	%100
124	M113	Z	.7	.7	0	%100
125	M114	X	1.213	1.213	0	%100
126	M114	Z	.7	.7	0	%100
127	M115	X	1.213	1.213	0	%100
128	M115	Z	.7	.7	0	%100
129	M116	X	1.076	1.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
130	M116	Z	.621	.621	0	%100
131	M117	X	1.076	1.076	0	%100
132	M117	Z	.621	.621	0	%100
133	M118	X	1.076	1.076	0	%100
134	M118	Z	.621	.621	0	%100
135	M119	X	1.076	1.076	0	%100
136	M119	Z	.621	.621	0	%100
137	M120	X	1.36	1.36	0	%100
138	M120	Z	.785	.785	0	%100
139	M121	X	1.36	1.36	0	%100
140	M121	Z	.785	.785	0	%100
141	M122	X	1.36	1.36	0	%100
142	M122	Z	.785	.785	0	%100
143	M123	X	1.36	1.36	0	%100
144	M123	Z	.785	.785	0	%100
145	MP4B	X	2.803	2.803	0	%100
146	MP4B	Z	1.618	1.618	0	%100
147	MP3B	X	2.803	2.803	0	%100
148	MP3B	Z	1.618	1.618	0	%100
149	MP2B	X	2.803	2.803	0	%100
150	MP2B	Z	1.618	1.618	0	%100
151	MP1B	X	2.803	2.803	0	%100
152	MP1B	Z	1.618	1.618	0	%100
153	M128	X	1.343	1.343	0	%100
154	M128	Z	.775	.775	0	%100
155	M129	X	1.343	1.343	0	%100
156	M129	Z	.775	.775	0	%100
157	M130	X	1.343	1.343	0	%100
158	M130	Z	.775	.775	0	%100
159	M131	X	1.343	1.343	0	%100
160	M131	Z	.775	.775	0	%100
161	M140	X	3.272	3.272	0	%100
162	M140	Z	1.889	1.889	0	%100
163	M138A	X	.715	.715	0	%100
164	M138A	Z	.413	.413	0	%100
165	M138B	X	2.005	2.005	0	%100
166	M138B	Z	1.158	1.158	0	%100
167	M138C	X	1.791	1.791	0	%100
168	M138C	Z	1.034	1.034	0	%100
169	M138D	X	2.531	2.531	0	%100
170	M138D	Z	1.461	1.461	0	%100
171	M138E	X	.007	.007	0	%100
172	M138E	Z	.004	.004	0	%100
173	M138F	X	.557	.557	0	%100
174	M138F	Z	.321	.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.098	1.098	0	%100
2	M1	Z	1.901	1.901	0	%100
3	M2	X	1.098	1.098	0	%100
4	M2	Z	1.901	1.901	0	%100
5	M13	X	.155	.155	0	%100
6	M13	Z	.268	.268	0	%100
7	M14	X	.155	.155	0	%100
8	M14	Z	.268	.268	0	%100
9	M15	X	.155	.155	0	%100
10	M15	Z	.268	.268	0	%100
11	M16	X	.155	.155	0	%100
12	M16	Z	.268	.268	0	%100
13	M17	X	1.108	1.108	0	%100
14	M17	Z	1.918	1.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M18	X	1.108	1.108	0	%100
16	M18	Z	1.918	1.918	0	%100
17	M19	X	.158	.158	0	%100
18	M19	Z	.273	.273	0	%100
19	M20	X	.158	.158	0	%100
20	M20	Z	.273	.273	0	%100
21	M21	X	.466	.466	0	%100
22	M21	Z	.807	.807	0	%100
23	M22	X	.466	.466	0	%100
24	M22	Z	.807	.807	0	%100
25	M23	X	.466	.466	0	%100
26	M23	Z	.807	.807	0	%100
27	M24	X	.466	.466	0	%100
28	M24	Z	.807	.807	0	%100
29	M25	X	.903	.903	0	%100
30	M25	Z	1.565	1.565	0	%100
31	M26	X	.903	.903	0	%100
32	M26	Z	1.565	1.565	0	%100
33	M27	X	.628	.628	0	%100
34	M27	Z	1.088	1.088	0	%100
35	M28	X	.628	.628	0	%100
36	M28	Z	1.088	1.088	0	%100
37	MP4A	X	1.618	1.618	0	%100
38	MP4A	Z	2.803	2.803	0	%100
39	MP3A	X	1.618	1.618	0	%100
40	MP3A	Z	2.803	2.803	0	%100
41	MP2A	X	1.618	1.618	0	%100
42	MP2A	Z	2.803	2.803	0	%100
43	MP1A	X	1.618	1.618	0	%100
44	MP1A	Z	2.803	2.803	0	%100
45	M44	X	.775	.775	0	%100
46	M44	Z	1.343	1.343	0	%100
47	M45	X	.775	.775	0	%100
48	M45	Z	1.343	1.343	0	%100
49	M46	X	.775	.775	0	%100
50	M46	Z	1.343	1.343	0	%100
51	M47	X	.775	.775	0	%100
52	M47	Z	1.343	1.343	0	%100
53	M45A	X	1.889	1.889	0	%100
54	M45A	Z	3.272	3.272	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	.618	.618	0	%100
60	M63	Z	1.071	1.071	0	%100
61	M64	X	.618	.618	0	%100
62	M64	Z	1.071	1.071	0	%100
63	M65	X	.618	.618	0	%100
64	M65	Z	1.071	1.071	0	%100
65	M66	X	.618	.618	0	%100
66	M66	Z	1.071	1.071	0	%100
67	M67	X	.429	.429	0	%100
68	M67	Z	.744	.744	0	%100
69	M68	X	.429	.429	0	%100
70	M68	Z	.744	.744	0	%100
71	M69	X	.429	.429	0	%100
72	M69	Z	.744	.744	0	%100
73	M70	X	.429	.429	0	%100
74	M70	Z	.744	.744	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	.707	.707	0	%100
84	M75	Z	1.224	1.224	0	%100
85	M76	X	.707	.707	0	%100
86	M76	Z	1.224	1.224	0	%100
87	M77	X	.707	.707	0	%100
88	M77	Z	1.224	1.224	0	%100
89	M78	X	.707	.707	0	%100
90	M78	Z	1.224	1.224	0	%100
91	MP4C	X	1.618	1.618	0	%100
92	MP4C	Z	2.803	2.803	0	%100
93	MP3C	X	1.618	1.618	0	%100
94	MP3C	Z	2.803	2.803	0	%100
95	MP2C	X	1.618	1.618	0	%100
96	MP2C	Z	2.803	2.803	0	%100
97	MP1C	X	1.618	1.618	0	%100
98	MP1C	Z	2.803	2.803	0	%100
99	M83	X	.775	.775	0	%100
100	M83	Z	1.343	1.343	0	%100
101	M84	X	.775	.775	0	%100
102	M84	Z	1.343	1.343	0	%100
103	M85	X	.775	.775	0	%100
104	M85	Z	1.343	1.343	0	%100
105	M86	X	.775	.775	0	%100
106	M86	Z	1.343	1.343	0	%100
107	M95	X	1.889	1.889	0	%100
108	M95	Z	3.272	3.272	0	%100
109	M98	X	1.098	1.098	0	%100
110	M98	Z	1.901	1.901	0	%100
111	M99	X	1.098	1.098	0	%100
112	M99	Z	1.901	1.901	0	%100
113	M108	X	.155	.155	0	%100
114	M108	Z	.268	.268	0	%100
115	M109	X	.155	.155	0	%100
116	M109	Z	.268	.268	0	%100
117	M110	X	.155	.155	0	%100
118	M110	Z	.268	.268	0	%100
119	M111	X	.155	.155	0	%100
120	M111	Z	.268	.268	0	%100
121	M112	X	.158	.158	0	%100
122	M112	Z	.273	.273	0	%100
123	M113	X	.158	.158	0	%100
124	M113	Z	.273	.273	0	%100
125	M114	X	1.108	1.108	0	%100
126	M114	Z	1.918	1.918	0	%100
127	M115	X	1.108	1.108	0	%100
128	M115	Z	1.918	1.918	0	%100
129	M116	X	.466	.466	0	%100
130	M116	Z	.807	.807	0	%100
131	M117	X	.466	.466	0	%100
132	M117	Z	.807	.807	0	%100
133	M118	X	.466	.466	0	%100
134	M118	Z	.807	.807	0	%100
135	M119	X	.466	.466	0	%100
136	M119	Z	.807	.807	0	%100
137	M120	X	.628	.628	0	%100
138	M120	Z	1.088	1.088	0	%100
139	M121	X	.628	.628	0	%100
140	M121	Z	1.088	1.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
141	M122	X	.903	.903	0	%100
142	M122	Z	1.565	1.565	0	%100
143	M123	X	.903	.903	0	%100
144	M123	Z	1.565	1.565	0	%100
145	MP4B	X	1.618	1.618	0	%100
146	MP4B	Z	2.803	2.803	0	%100
147	MP3B	X	1.618	1.618	0	%100
148	MP3B	Z	2.803	2.803	0	%100
149	MP2B	X	1.618	1.618	0	%100
150	MP2B	Z	2.803	2.803	0	%100
151	MP1B	X	1.618	1.618	0	%100
152	MP1B	Z	2.803	2.803	0	%100
153	M128	X	.775	.775	0	%100
154	M128	Z	1.343	1.343	0	%100
155	M129	X	.775	.775	0	%100
156	M129	Z	1.343	1.343	0	%100
157	M130	X	.775	.775	0	%100
158	M130	Z	1.343	1.343	0	%100
159	M131	X	.775	.775	0	%100
160	M131	Z	1.343	1.343	0	%100
161	M140	X	1.889	1.889	0	%100
162	M140	Z	3.272	3.272	0	%100
163	M138A	X	1.143	1.143	0	%100
164	M138A	Z	1.979	1.979	0	%100
165	M138B	X	1.46	1.46	0	%100
166	M138B	Z	2.529	2.529	0	%100
167	M138C	X	.306	.306	0	%100
168	M138C	Z	.531	.531	0	%100
169	M138D	X	1.051	1.051	0	%100
170	M138D	Z	1.82	1.82	0	%100
171	M138E	X	.43	.43	0	%100
172	M138E	Z	.745	.745	0	%100
173	M138F	X	.002	.002	0	%100
174	M138F	Z	.004	.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.927	2.927	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.927	2.927	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	1.401	1.401	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.401	1.401	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.401	1.401	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.401	1.401	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.242	1.242	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.242	1.242	0	%100
25	M23	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M23	Z	1.242	1.242	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.242	1.242	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.571	1.571	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.571	1.571	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.571	1.571	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.571	1.571	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	3.236	3.236	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	3.236	3.236	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	3.236	3.236	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	3.236	3.236	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.55	1.55	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.55	1.55	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	1.55	1.55	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	1.55	1.55	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	3.778	3.778	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	.732	.732	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.732	.732	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	.927	.927	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	.927	.927	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	.927	.927	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	.927	.927	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	1.944	1.944	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	1.944	1.944	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	.044	.044	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	.044	.044	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	.311	.311	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	.311	.311	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	.311	.311	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	.311	.311	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	1.728	1.728	0	%100
85	M76	X	0	0	0	%100
86	M76	Z	1.728	1.728	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	1.177	1.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	M78	X	0	0	0	%100
90	M78	Z	1.177	1.177	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	3.236	3.236	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	3.236	3.236	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	3.236	3.236	0	%100
97	MP1C	X	0	0	0	%100
98	MP1C	Z	3.236	3.236	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	1.55	1.55	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	1.55	1.55	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	1.55	1.55	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	1.55	1.55	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	3.778	3.778	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	.732	.732	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	.732	.732	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	.927	.927	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	.927	.927	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	.927	.927	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	.927	.927	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	.044	.044	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	.044	.044	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	1.944	1.944	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	1.944	1.944	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	.311	.311	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	.311	.311	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	.311	.311	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	.311	.311	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	1.177	1.177	0	%100
139	M121	X	0	0	0	%100
140	M121	Z	1.177	1.177	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	1.728	1.728	0	%100
143	M123	X	0	0	0	%100
144	M123	Z	1.728	1.728	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	3.236	3.236	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	3.236	3.236	0	%100
149	MP2B	X	0	0	0	%100
150	MP2B	Z	3.236	3.236	0	%100
151	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
152	MP1B	Z	3.236	3.236	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	1.55	1.55	0	%100
155	M129	X	0	0	0	%100
156	M129	Z	1.55	1.55	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	1.55	1.55	0	%100
159	M131	X	0	0	0	%100
160	M131	Z	1.55	1.55	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	3.778	3.778	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	2.923	2.923	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	2.069	2.069	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	.009	.009	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	.643	.643	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	2.316	2.316	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	.826	.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.098	-1.098	0	%100
2	M1	Z	1.901	1.901	0	%100
3	M2	X	-1.098	-1.098	0	%100
4	M2	Z	1.901	1.901	0	%100
5	M13	X	-.155	-.155	0	%100
6	M13	Z	.268	.268	0	%100
7	M14	X	-.155	-.155	0	%100
8	M14	Z	.268	.268	0	%100
9	M15	X	-.155	-.155	0	%100
10	M15	Z	.268	.268	0	%100
11	M16	X	-.155	-.155	0	%100
12	M16	Z	.268	.268	0	%100
13	M17	X	-.158	-.158	0	%100
14	M17	Z	.273	.273	0	%100
15	M18	X	-.158	-.158	0	%100
16	M18	Z	.273	.273	0	%100
17	M19	X	-1.108	-1.108	0	%100
18	M19	Z	1.918	1.918	0	%100
19	M20	X	-1.108	-1.108	0	%100
20	M20	Z	1.918	1.918	0	%100
21	M21	X	-.466	-.466	0	%100
22	M21	Z	.807	.807	0	%100
23	M22	X	-.466	-.466	0	%100
24	M22	Z	.807	.807	0	%100
25	M23	X	-.466	-.466	0	%100
26	M23	Z	.807	.807	0	%100
27	M24	X	-.466	-.466	0	%100
28	M24	Z	.807	.807	0	%100
29	M25	X	-.628	-.628	0	%100
30	M25	Z	1.088	1.088	0	%100
31	M26	X	-.628	-.628	0	%100
32	M26	Z	1.088	1.088	0	%100
33	M27	X	-.903	-.903	0	%100
34	M27	Z	1.565	1.565	0	%100
35	M28	X	-.903	-.903	0	%100
36	M28	Z	1.565	1.565	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4A	X	-1.618	-1.618	0	%100
38	MP4A	Z	2.803	2.803	0	%100
39	MP3A	X	-1.618	-1.618	0	%100
40	MP3A	Z	2.803	2.803	0	%100
41	MP2A	X	-1.618	-1.618	0	%100
42	MP2A	Z	2.803	2.803	0	%100
43	MP1A	X	-1.618	-1.618	0	%100
44	MP1A	Z	2.803	2.803	0	%100
45	M44	X	-.775	-.775	0	%100
46	M44	Z	1.343	1.343	0	%100
47	M45	X	-.775	-.775	0	%100
48	M45	Z	1.343	1.343	0	%100
49	M46	X	-.775	-.775	0	%100
50	M46	Z	1.343	1.343	0	%100
51	M47	X	-.775	-.775	0	%100
52	M47	Z	1.343	1.343	0	%100
53	M45A	X	-1.889	-1.889	0	%100
54	M45A	Z	3.272	3.272	0	%100
55	M53	X	-1.098	-1.098	0	%100
56	M53	Z	1.901	1.901	0	%100
57	M54	X	-1.098	-1.098	0	%100
58	M54	Z	1.901	1.901	0	%100
59	M63	X	-.155	-.155	0	%100
60	M63	Z	.268	.268	0	%100
61	M64	X	-.155	-.155	0	%100
62	M64	Z	.268	.268	0	%100
63	M65	X	-.155	-.155	0	%100
64	M65	Z	.268	.268	0	%100
65	M66	X	-.155	-.155	0	%100
66	M66	Z	.268	.268	0	%100
67	M67	X	-1.108	-1.108	0	%100
68	M67	Z	1.918	1.918	0	%100
69	M68	X	-1.108	-1.108	0	%100
70	M68	Z	1.918	1.918	0	%100
71	M69	X	-.158	-.158	0	%100
72	M69	Z	.273	.273	0	%100
73	M70	X	-.158	-.158	0	%100
74	M70	Z	.273	.273	0	%100
75	M71	X	-.466	-.466	0	%100
76	M71	Z	.807	.807	0	%100
77	M72	X	-.466	-.466	0	%100
78	M72	Z	.807	.807	0	%100
79	M73	X	-.466	-.466	0	%100
80	M73	Z	.807	.807	0	%100
81	M74	X	-.466	-.466	0	%100
82	M74	Z	.807	.807	0	%100
83	M75	X	-.903	-.903	0	%100
84	M75	Z	1.565	1.565	0	%100
85	M76	X	-.903	-.903	0	%100
86	M76	Z	1.565	1.565	0	%100
87	M77	X	-.628	-.628	0	%100
88	M77	Z	1.088	1.088	0	%100
89	M78	X	-.628	-.628	0	%100
90	M78	Z	1.088	1.088	0	%100
91	MP4C	X	-1.618	-1.618	0	%100
92	MP4C	Z	2.803	2.803	0	%100
93	MP3C	X	-1.618	-1.618	0	%100
94	MP3C	Z	2.803	2.803	0	%100
95	MP2C	X	-1.618	-1.618	0	%100
96	MP2C	Z	2.803	2.803	0	%100
97	MP1C	X	-1.618	-1.618	0	%100
98	MP1C	Z	2.803	2.803	0	%100
99	M83	X	-.775	-.775	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	M83	Z	1.343	1.343	0	%100
101	M84	X	-.775	-.775	0	%100
102	M84	Z	1.343	1.343	0	%100
103	M85	X	-.775	-.775	0	%100
104	M85	Z	1.343	1.343	0	%100
105	M86	X	-.775	-.775	0	%100
106	M86	Z	1.343	1.343	0	%100
107	M95	X	-1.889	-1.889	0	%100
108	M95	Z	3.272	3.272	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	-.618	-.618	0	%100
114	M108	Z	1.071	1.071	0	%100
115	M109	X	-.618	-.618	0	%100
116	M109	Z	1.071	1.071	0	%100
117	M110	X	-.618	-.618	0	%100
118	M110	Z	1.071	1.071	0	%100
119	M111	X	-.618	-.618	0	%100
120	M111	Z	1.071	1.071	0	%100
121	M112	X	-.429	-.429	0	%100
122	M112	Z	.744	.744	0	%100
123	M113	X	-.429	-.429	0	%100
124	M113	Z	.744	.744	0	%100
125	M114	X	-.429	-.429	0	%100
126	M114	Z	.744	.744	0	%100
127	M115	X	-.429	-.429	0	%100
128	M115	Z	.744	.744	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-.707	-.707	0	%100
138	M120	Z	1.224	1.224	0	%100
139	M121	X	-.707	-.707	0	%100
140	M121	Z	1.224	1.224	0	%100
141	M122	X	-.707	-.707	0	%100
142	M122	Z	1.224	1.224	0	%100
143	M123	X	-.707	-.707	0	%100
144	M123	Z	1.224	1.224	0	%100
145	MP4B	X	-1.618	-1.618	0	%100
146	MP4B	Z	2.803	2.803	0	%100
147	MP3B	X	-1.618	-1.618	0	%100
148	MP3B	Z	2.803	2.803	0	%100
149	MP2B	X	-1.618	-1.618	0	%100
150	MP2B	Z	2.803	2.803	0	%100
151	MP1B	X	-1.618	-1.618	0	%100
152	MP1B	Z	2.803	2.803	0	%100
153	M128	X	-.775	-.775	0	%100
154	M128	Z	1.343	1.343	0	%100
155	M129	X	-.775	-.775	0	%100
156	M129	Z	1.343	1.343	0	%100
157	M130	X	-.775	-.775	0	%100
158	M130	Z	1.343	1.343	0	%100
159	M131	X	-.775	-.775	0	%100
160	M131	Z	1.343	1.343	0	%100
161	M140	X	-1.889	-1.889	0	%100
162	M140	Z	3.272	3.272	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
163	M138A	X	-1.051	-1.051	0	%100
164	M138A	Z	1.82	1.82	0	%100
165	M138B	X	-.306	-.306	0	%100
166	M138B	Z	.531	.531	0	%100
167	M138C	X	-.43	-.43	0	%100
168	M138C	Z	.745	.745	0	%100
169	M138D	X	-.002	-.002	0	%100
170	M138D	Z	.004	.004	0	%100
171	M138E	X	-1.46	-1.46	0	%100
172	M138E	Z	2.529	2.529	0	%100
173	M138F	X	-1.143	-1.143	0	%100
174	M138F	Z	1.979	1.979	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.634	-.634	0	%100
2	M1	Z	.366	.366	0	%100
3	M2	X	-.634	-.634	0	%100
4	M2	Z	.366	.366	0	%100
5	M13	X	-.803	-.803	0	%100
6	M13	Z	.464	.464	0	%100
7	M14	X	-.803	-.803	0	%100
8	M14	Z	.464	.464	0	%100
9	M15	X	-.803	-.803	0	%100
10	M15	Z	.464	.464	0	%100
11	M16	X	-.803	-.803	0	%100
12	M16	Z	.464	.464	0	%100
13	M17	X	-.039	-.039	0	%100
14	M17	Z	.022	.022	0	%100
15	M18	X	-.039	-.039	0	%100
16	M18	Z	.022	.022	0	%100
17	M19	X	-1.684	-1.684	0	%100
18	M19	Z	.972	.972	0	%100
19	M20	X	-1.684	-1.684	0	%100
20	M20	Z	.972	.972	0	%100
21	M21	X	-.269	-.269	0	%100
22	M21	Z	.155	.155	0	%100
23	M22	X	-.269	-.269	0	%100
24	M22	Z	.155	.155	0	%100
25	M23	X	-.269	-.269	0	%100
26	M23	Z	.155	.155	0	%100
27	M24	X	-.269	-.269	0	%100
28	M24	Z	.155	.155	0	%100
29	M25	X	-1.02	-1.02	0	%100
30	M25	Z	.589	.589	0	%100
31	M26	X	-1.02	-1.02	0	%100
32	M26	Z	.589	.589	0	%100
33	M27	X	-1.497	-1.497	0	%100
34	M27	Z	.864	.864	0	%100
35	M28	X	-1.497	-1.497	0	%100
36	M28	Z	.864	.864	0	%100
37	MP4A	X	-2.803	-2.803	0	%100
38	MP4A	Z	1.618	1.618	0	%100
39	MP3A	X	-2.803	-2.803	0	%100
40	MP3A	Z	1.618	1.618	0	%100
41	MP2A	X	-2.803	-2.803	0	%100
42	MP2A	Z	1.618	1.618	0	%100
43	MP1A	X	-2.803	-2.803	0	%100
44	MP1A	Z	1.618	1.618	0	%100
45	M44	X	-1.343	-1.343	0	%100
46	M44	Z	.775	.775	0	%100
47	M45	X	-1.343	-1.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M45	Z	.775	.775	0	%100
49	M46	X	-1.343	-1.343	0	%100
50	M46	Z	.775	.775	0	%100
51	M47	X	-1.343	-1.343	0	%100
52	M47	Z	.775	.775	0	%100
53	M45A	X	-3.272	-3.272	0	%100
54	M45A	Z	1.889	1.889	0	%100
55	M53	X	-2.535	-2.535	0	%100
56	M53	Z	1.463	1.463	0	%100
57	M54	X	-2.535	-2.535	0	%100
58	M54	Z	1.463	1.463	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-1.213	-1.213	0	%100
68	M67	Z	.7	.7	0	%100
69	M68	X	-1.213	-1.213	0	%100
70	M68	Z	.7	.7	0	%100
71	M69	X	-1.213	-1.213	0	%100
72	M69	Z	.7	.7	0	%100
73	M70	X	-1.213	-1.213	0	%100
74	M70	Z	.7	.7	0	%100
75	M71	X	-1.076	-1.076	0	%100
76	M71	Z	.621	.621	0	%100
77	M72	X	-1.076	-1.076	0	%100
78	M72	Z	.621	.621	0	%100
79	M73	X	-1.076	-1.076	0	%100
80	M73	Z	.621	.621	0	%100
81	M74	X	-1.076	-1.076	0	%100
82	M74	Z	.621	.621	0	%100
83	M75	X	-1.36	-1.36	0	%100
84	M75	Z	.785	.785	0	%100
85	M76	X	-1.36	-1.36	0	%100
86	M76	Z	.785	.785	0	%100
87	M77	X	-1.36	-1.36	0	%100
88	M77	Z	.785	.785	0	%100
89	M78	X	-1.36	-1.36	0	%100
90	M78	Z	.785	.785	0	%100
91	MP4C	X	-2.803	-2.803	0	%100
92	MP4C	Z	1.618	1.618	0	%100
93	MP3C	X	-2.803	-2.803	0	%100
94	MP3C	Z	1.618	1.618	0	%100
95	MP2C	X	-2.803	-2.803	0	%100
96	MP2C	Z	1.618	1.618	0	%100
97	MP1C	X	-2.803	-2.803	0	%100
98	MP1C	Z	1.618	1.618	0	%100
99	M83	X	-1.343	-1.343	0	%100
100	M83	Z	.775	.775	0	%100
101	M84	X	-1.343	-1.343	0	%100
102	M84	Z	.775	.775	0	%100
103	M85	X	-1.343	-1.343	0	%100
104	M85	Z	.775	.775	0	%100
105	M86	X	-1.343	-1.343	0	%100
106	M86	Z	.775	.775	0	%100
107	M95	X	-3.272	-3.272	0	%100
108	M95	Z	1.889	1.889	0	%100
109	M98	X	-.634	-.634	0	%100
110	M98	Z	.366	.366	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
111	M99	X	-.634	-.634	0	%100
112	M99	Z	.366	.366	0	%100
113	M108	X	-.803	-.803	0	%100
114	M108	Z	.464	.464	0	%100
115	M109	X	-.803	-.803	0	%100
116	M109	Z	.464	.464	0	%100
117	M110	X	-.803	-.803	0	%100
118	M110	Z	.464	.464	0	%100
119	M111	X	-.803	-.803	0	%100
120	M111	Z	.464	.464	0	%100
121	M112	X	-1.684	-1.684	0	%100
122	M112	Z	.972	.972	0	%100
123	M113	X	-1.684	-1.684	0	%100
124	M113	Z	.972	.972	0	%100
125	M114	X	-.039	-.039	0	%100
126	M114	Z	.022	.022	0	%100
127	M115	X	-.039	-.039	0	%100
128	M115	Z	.022	.022	0	%100
129	M116	X	-.269	-.269	0	%100
130	M116	Z	.155	.155	0	%100
131	M117	X	-.269	-.269	0	%100
132	M117	Z	.155	.155	0	%100
133	M118	X	-.269	-.269	0	%100
134	M118	Z	.155	.155	0	%100
135	M119	X	-.269	-.269	0	%100
136	M119	Z	.155	.155	0	%100
137	M120	X	-1.497	-1.497	0	%100
138	M120	Z	.864	.864	0	%100
139	M121	X	-1.497	-1.497	0	%100
140	M121	Z	.864	.864	0	%100
141	M122	X	-1.02	-1.02	0	%100
142	M122	Z	.589	.589	0	%100
143	M123	X	-1.02	-1.02	0	%100
144	M123	Z	.589	.589	0	%100
145	MP4B	X	-2.803	-2.803	0	%100
146	MP4B	Z	1.618	1.618	0	%100
147	MP3B	X	-2.803	-2.803	0	%100
148	MP3B	Z	1.618	1.618	0	%100
149	MP2B	X	-2.803	-2.803	0	%100
150	MP2B	Z	1.618	1.618	0	%100
151	MP1B	X	-2.803	-2.803	0	%100
152	MP1B	Z	1.618	1.618	0	%100
153	M128	X	-1.343	-1.343	0	%100
154	M128	Z	.775	.775	0	%100
155	M129	X	-1.343	-1.343	0	%100
156	M129	Z	.775	.775	0	%100
157	M130	X	-1.343	-1.343	0	%100
158	M130	Z	.775	.775	0	%100
159	M131	X	-1.343	-1.343	0	%100
160	M131	Z	.775	.775	0	%100
161	M140	X	-3.272	-3.272	0	%100
162	M140	Z	1.889	1.889	0	%100
163	M138A	X	-.557	-.557	0	%100
164	M138A	Z	.321	.321	0	%100
165	M138B	X	-.007	-.007	0	%100
166	M138B	Z	.004	.004	0	%100
167	M138C	X	-2.005	-2.005	0	%100
168	M138C	Z	1.158	1.158	0	%100
169	M138D	X	-.715	-.715	0	%100
170	M138D	Z	.413	.413	0	%100
171	M138E	X	-1.791	-1.791	0	%100
172	M138E	Z	1.034	1.034	0	%100
173	M138F	X	-2.531	-2.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
174	M138F	Z	1.461	1.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.237	-1.237	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.237	-1.237	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.237	-1.237	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.237	-1.237	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-.859	-.859	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-.859	-.859	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.859	-.859	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.859	-.859	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.414	-1.414	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.414	-1.414	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.414	-1.414	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.414	-1.414	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-3.236	-3.236	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-3.236	-3.236	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-3.236	-3.236	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-3.236	-3.236	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-1.55	-1.55	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.55	-1.55	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-1.55	-1.55	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-1.55	-1.55	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	-3.778	-3.778	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	-2.195	-2.195	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	-2.195	-2.195	0	%100
58	M54	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M63	X	-.309	-.309	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	-.309	-.309	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.309	-.309	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	-.309	-.309	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-.315	-.315	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	-.315	-.315	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	-2.215	-2.215	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-2.215	-2.215	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	-.932	-.932	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-.932	-.932	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	-.932	-.932	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-.932	-.932	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-1.256	-1.256	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	-1.256	-1.256	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	-1.807	-1.807	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	-1.807	-1.807	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	-3.236	-3.236	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	-3.236	-3.236	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	-3.236	-3.236	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	-3.236	-3.236	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	-1.55	-1.55	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	-1.55	-1.55	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	-1.55	-1.55	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	-1.55	-1.55	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	-3.778	-3.778	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	-2.195	-2.195	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	-2.195	-2.195	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	-.309	-.309	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	-.309	-.309	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	-.309	-.309	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	-.309	-.309	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-2.215	-2.215	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
122	M112	Z	0	0	0	%100
123	M113	X	-2.215	-2.215	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	-.315	-.315	0	%100
126	M114	Z	0	0	0	%100
127	M115	X	-.315	-.315	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	-.932	-.932	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	-.932	-.932	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	-.932	-.932	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	-.932	-.932	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-1.807	-1.807	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	-1.807	-1.807	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	-1.256	-1.256	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	-1.256	-1.256	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	-3.236	-3.236	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	-3.236	-3.236	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	-3.236	-3.236	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	-3.236	-3.236	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	-1.55	-1.55	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	-1.55	-1.55	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	-1.55	-1.55	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	-1.55	-1.55	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	-3.778	-3.778	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	-.005	-.005	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	-.86	-.86	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	-2.92	-2.92	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	-2.285	-2.285	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	-.613	-.613	0	%100
172	M138E	Z	0	0	0	%100
173	M138F	X	-2.102	-2.102	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.634	-.634	0	%100
2	M1	Z	-.366	-.366	0	%100
3	M2	X	-.634	-.634	0	%100
4	M2	Z	-.366	-.366	0	%100
5	M13	X	-.803	-.803	0	%100
6	M13	Z	-.464	-.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M14	X	-.803	-.803	0	%100
8	M14	Z	-.464	-.464	0	%100
9	M15	X	-.803	-.803	0	%100
10	M15	Z	-.464	-.464	0	%100
11	M16	X	-.803	-.803	0	%100
12	M16	Z	-.464	-.464	0	%100
13	M17	X	-1.684	-1.684	0	%100
14	M17	Z	-.972	-.972	0	%100
15	M18	X	-1.684	-1.684	0	%100
16	M18	Z	-.972	-.972	0	%100
17	M19	X	-.039	-.039	0	%100
18	M19	Z	-.022	-.022	0	%100
19	M20	X	-.039	-.039	0	%100
20	M20	Z	-.022	-.022	0	%100
21	M21	X	-.269	-.269	0	%100
22	M21	Z	-.155	-.155	0	%100
23	M22	X	-.269	-.269	0	%100
24	M22	Z	-.155	-.155	0	%100
25	M23	X	-.269	-.269	0	%100
26	M23	Z	-.155	-.155	0	%100
27	M24	X	-.269	-.269	0	%100
28	M24	Z	-.155	-.155	0	%100
29	M25	X	-1.497	-1.497	0	%100
30	M25	Z	-.864	-.864	0	%100
31	M26	X	-1.497	-1.497	0	%100
32	M26	Z	-.864	-.864	0	%100
33	M27	X	-1.02	-1.02	0	%100
34	M27	Z	-.589	-.589	0	%100
35	M28	X	-1.02	-1.02	0	%100
36	M28	Z	-.589	-.589	0	%100
37	MP4A	X	-2.803	-2.803	0	%100
38	MP4A	Z	-1.618	-1.618	0	%100
39	MP3A	X	-2.803	-2.803	0	%100
40	MP3A	Z	-1.618	-1.618	0	%100
41	MP2A	X	-2.803	-2.803	0	%100
42	MP2A	Z	-1.618	-1.618	0	%100
43	MP1A	X	-2.803	-2.803	0	%100
44	MP1A	Z	-1.618	-1.618	0	%100
45	M44	X	-1.343	-1.343	0	%100
46	M44	Z	-.775	-.775	0	%100
47	M45	X	-1.343	-1.343	0	%100
48	M45	Z	-.775	-.775	0	%100
49	M46	X	-1.343	-1.343	0	%100
50	M46	Z	-.775	-.775	0	%100
51	M47	X	-1.343	-1.343	0	%100
52	M47	Z	-.775	-.775	0	%100
53	M45A	X	-3.272	-3.272	0	%100
54	M45A	Z	-1.889	-1.889	0	%100
55	M53	X	-.634	-.634	0	%100
56	M53	Z	-.366	-.366	0	%100
57	M54	X	-.634	-.634	0	%100
58	M54	Z	-.366	-.366	0	%100
59	M63	X	-.803	-.803	0	%100
60	M63	Z	-.464	-.464	0	%100
61	M64	X	-.803	-.803	0	%100
62	M64	Z	-.464	-.464	0	%100
63	M65	X	-.803	-.803	0	%100
64	M65	Z	-.464	-.464	0	%100
65	M66	X	-.803	-.803	0	%100
66	M66	Z	-.464	-.464	0	%100
67	M67	X	-.039	-.039	0	%100
68	M67	Z	-.022	-.022	0	%100
69	M68	X	-.039	-.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M68	Z	-.022	-.022	0	%100
71	M69	X	-1.684	-1.684	0	%100
72	M69	Z	-.972	-.972	0	%100
73	M70	X	-1.684	-1.684	0	%100
74	M70	Z	-.972	-.972	0	%100
75	M71	X	-.269	-.269	0	%100
76	M71	Z	-.155	-.155	0	%100
77	M72	X	-.269	-.269	0	%100
78	M72	Z	-.155	-.155	0	%100
79	M73	X	-.269	-.269	0	%100
80	M73	Z	-.155	-.155	0	%100
81	M74	X	-.269	-.269	0	%100
82	M74	Z	-.155	-.155	0	%100
83	M75	X	-1.02	-1.02	0	%100
84	M75	Z	-.589	-.589	0	%100
85	M76	X	-1.02	-1.02	0	%100
86	M76	Z	-.589	-.589	0	%100
87	M77	X	-1.497	-1.497	0	%100
88	M77	Z	-.864	-.864	0	%100
89	M78	X	-1.497	-1.497	0	%100
90	M78	Z	-.864	-.864	0	%100
91	MP4C	X	-2.803	-2.803	0	%100
92	MP4C	Z	-1.618	-1.618	0	%100
93	MP3C	X	-2.803	-2.803	0	%100
94	MP3C	Z	-1.618	-1.618	0	%100
95	MP2C	X	-2.803	-2.803	0	%100
96	MP2C	Z	-1.618	-1.618	0	%100
97	MP1C	X	-2.803	-2.803	0	%100
98	MP1C	Z	-1.618	-1.618	0	%100
99	M83	X	-1.343	-1.343	0	%100
100	M83	Z	-.775	-.775	0	%100
101	M84	X	-1.343	-1.343	0	%100
102	M84	Z	-.775	-.775	0	%100
103	M85	X	-1.343	-1.343	0	%100
104	M85	Z	-.775	-.775	0	%100
105	M86	X	-1.343	-1.343	0	%100
106	M86	Z	-.775	-.775	0	%100
107	M95	X	-3.272	-3.272	0	%100
108	M95	Z	-1.889	-1.889	0	%100
109	M98	X	-2.535	-2.535	0	%100
110	M98	Z	-1.463	-1.463	0	%100
111	M99	X	-2.535	-2.535	0	%100
112	M99	Z	-1.463	-1.463	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-1.213	-1.213	0	%100
122	M112	Z	-.7	-.7	0	%100
123	M113	X	-1.213	-1.213	0	%100
124	M113	Z	-.7	-.7	0	%100
125	M114	X	-1.213	-1.213	0	%100
126	M114	Z	-.7	-.7	0	%100
127	M115	X	-1.213	-1.213	0	%100
128	M115	Z	-.7	-.7	0	%100
129	M116	X	-1.076	-1.076	0	%100
130	M116	Z	-.621	-.621	0	%100
131	M117	X	-1.076	-1.076	0	%100
132	M117	Z	-.621	-.621	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
133	M118	X	-1.076	-1.076	0	%100
134	M118	Z	-.621	-.621	0	%100
135	M119	X	-1.076	-1.076	0	%100
136	M119	Z	-.621	-.621	0	%100
137	M120	X	-1.36	-1.36	0	%100
138	M120	Z	-.785	-.785	0	%100
139	M121	X	-1.36	-1.36	0	%100
140	M121	Z	-.785	-.785	0	%100
141	M122	X	-1.36	-1.36	0	%100
142	M122	Z	-.785	-.785	0	%100
143	M123	X	-1.36	-1.36	0	%100
144	M123	Z	-.785	-.785	0	%100
145	MP4B	X	-2.803	-2.803	0	%100
146	MP4B	Z	-1.618	-1.618	0	%100
147	MP3B	X	-2.803	-2.803	0	%100
148	MP3B	Z	-1.618	-1.618	0	%100
149	MP2B	X	-2.803	-2.803	0	%100
150	MP2B	Z	-1.618	-1.618	0	%100
151	MP1B	X	-2.803	-2.803	0	%100
152	MP1B	Z	-1.618	-1.618	0	%100
153	M128	X	-1.343	-1.343	0	%100
154	M128	Z	-.775	-.775	0	%100
155	M129	X	-1.343	-1.343	0	%100
156	M129	Z	-.775	-.775	0	%100
157	M130	X	-1.343	-1.343	0	%100
158	M130	Z	-.775	-.775	0	%100
159	M131	X	-1.343	-1.343	0	%100
160	M131	Z	-.775	-.775	0	%100
161	M140	X	-3.272	-3.272	0	%100
162	M140	Z	-1.889	-1.889	0	%100
163	M138A	X	-.715	-.715	0	%100
164	M138A	Z	-.413	-.413	0	%100
165	M138B	X	-2.005	-2.005	0	%100
166	M138B	Z	-1.158	-1.158	0	%100
167	M138C	X	-1.791	-1.791	0	%100
168	M138C	Z	-1.034	-1.034	0	%100
169	M138D	X	-2.531	-2.531	0	%100
170	M138D	Z	-1.461	-1.461	0	%100
171	M138E	X	-.007	-.007	0	%100
172	M138E	Z	-.004	-.004	0	%100
173	M138F	X	-.557	-.557	0	%100
174	M138F	Z	-.321	-.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.098	-1.098	0	%100
2	M1	Z	-1.901	-1.901	0	%100
3	M2	X	-1.098	-1.098	0	%100
4	M2	Z	-1.901	-1.901	0	%100
5	M13	X	-.155	-.155	0	%100
6	M13	Z	-.268	-.268	0	%100
7	M14	X	-.155	-.155	0	%100
8	M14	Z	-.268	-.268	0	%100
9	M15	X	-.155	-.155	0	%100
10	M15	Z	-.268	-.268	0	%100
11	M16	X	-.155	-.155	0	%100
12	M16	Z	-.268	-.268	0	%100
13	M17	X	-1.108	-1.108	0	%100
14	M17	Z	-1.918	-1.918	0	%100
15	M18	X	-1.108	-1.108	0	%100
16	M18	Z	-1.918	-1.918	0	%100
17	M19	X	-.158	-.158	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M19	Z	-.273	-.273	0	%100
19	M20	X	-.158	-.158	0	%100
20	M20	Z	-.273	-.273	0	%100
21	M21	X	-.466	-.466	0	%100
22	M21	Z	-.807	-.807	0	%100
23	M22	X	-.466	-.466	0	%100
24	M22	Z	-.807	-.807	0	%100
25	M23	X	-.466	-.466	0	%100
26	M23	Z	-.807	-.807	0	%100
27	M24	X	-.466	-.466	0	%100
28	M24	Z	-.807	-.807	0	%100
29	M25	X	-.903	-.903	0	%100
30	M25	Z	-1.565	-1.565	0	%100
31	M26	X	-.903	-.903	0	%100
32	M26	Z	-1.565	-1.565	0	%100
33	M27	X	-.628	-.628	0	%100
34	M27	Z	-1.088	-1.088	0	%100
35	M28	X	-.628	-.628	0	%100
36	M28	Z	-1.088	-1.088	0	%100
37	MP4A	X	-1.618	-1.618	0	%100
38	MP4A	Z	-2.803	-2.803	0	%100
39	MP3A	X	-1.618	-1.618	0	%100
40	MP3A	Z	-2.803	-2.803	0	%100
41	MP2A	X	-1.618	-1.618	0	%100
42	MP2A	Z	-2.803	-2.803	0	%100
43	MP1A	X	-1.618	-1.618	0	%100
44	MP1A	Z	-2.803	-2.803	0	%100
45	M44	X	-.775	-.775	0	%100
46	M44	Z	-1.343	-1.343	0	%100
47	M45	X	-.775	-.775	0	%100
48	M45	Z	-1.343	-1.343	0	%100
49	M46	X	-.775	-.775	0	%100
50	M46	Z	-1.343	-1.343	0	%100
51	M47	X	-.775	-.775	0	%100
52	M47	Z	-1.343	-1.343	0	%100
53	M45A	X	-1.889	-1.889	0	%100
54	M45A	Z	-3.272	-3.272	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	-.618	-.618	0	%100
60	M63	Z	-1.071	-1.071	0	%100
61	M64	X	-.618	-.618	0	%100
62	M64	Z	-1.071	-1.071	0	%100
63	M65	X	-.618	-.618	0	%100
64	M65	Z	-1.071	-1.071	0	%100
65	M66	X	-.618	-.618	0	%100
66	M66	Z	-1.071	-1.071	0	%100
67	M67	X	-.429	-.429	0	%100
68	M67	Z	-.744	-.744	0	%100
69	M68	X	-.429	-.429	0	%100
70	M68	Z	-.744	-.744	0	%100
71	M69	X	-.429	-.429	0	%100
72	M69	Z	-.744	-.744	0	%100
73	M70	X	-.429	-.429	0	%100
74	M70	Z	-.744	-.744	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-.707	-.707	0	%100
84	M75	Z	-1.224	-1.224	0	%100
85	M76	X	-.707	-.707	0	%100
86	M76	Z	-1.224	-1.224	0	%100
87	M77	X	-.707	-.707	0	%100
88	M77	Z	-1.224	-1.224	0	%100
89	M78	X	-.707	-.707	0	%100
90	M78	Z	-1.224	-1.224	0	%100
91	MP4C	X	-1.618	-1.618	0	%100
92	MP4C	Z	-2.803	-2.803	0	%100
93	MP3C	X	-1.618	-1.618	0	%100
94	MP3C	Z	-2.803	-2.803	0	%100
95	MP2C	X	-1.618	-1.618	0	%100
96	MP2C	Z	-2.803	-2.803	0	%100
97	MP1C	X	-1.618	-1.618	0	%100
98	MP1C	Z	-2.803	-2.803	0	%100
99	M83	X	-.775	-.775	0	%100
100	M83	Z	-1.343	-1.343	0	%100
101	M84	X	-.775	-.775	0	%100
102	M84	Z	-1.343	-1.343	0	%100
103	M85	X	-.775	-.775	0	%100
104	M85	Z	-1.343	-1.343	0	%100
105	M86	X	-.775	-.775	0	%100
106	M86	Z	-1.343	-1.343	0	%100
107	M95	X	-1.889	-1.889	0	%100
108	M95	Z	-3.272	-3.272	0	%100
109	M98	X	-1.098	-1.098	0	%100
110	M98	Z	-1.901	-1.901	0	%100
111	M99	X	-1.098	-1.098	0	%100
112	M99	Z	-1.901	-1.901	0	%100
113	M108	X	-.155	-.155	0	%100
114	M108	Z	-.268	-.268	0	%100
115	M109	X	-.155	-.155	0	%100
116	M109	Z	-.268	-.268	0	%100
117	M110	X	-.155	-.155	0	%100
118	M110	Z	-.268	-.268	0	%100
119	M111	X	-.155	-.155	0	%100
120	M111	Z	-.268	-.268	0	%100
121	M112	X	-.158	-.158	0	%100
122	M112	Z	-.273	-.273	0	%100
123	M113	X	-.158	-.158	0	%100
124	M113	Z	-.273	-.273	0	%100
125	M114	X	-1.108	-1.108	0	%100
126	M114	Z	-1.918	-1.918	0	%100
127	M115	X	-1.108	-1.108	0	%100
128	M115	Z	-1.918	-1.918	0	%100
129	M116	X	-.466	-.466	0	%100
130	M116	Z	-.807	-.807	0	%100
131	M117	X	-.466	-.466	0	%100
132	M117	Z	-.807	-.807	0	%100
133	M118	X	-.466	-.466	0	%100
134	M118	Z	-.807	-.807	0	%100
135	M119	X	-.466	-.466	0	%100
136	M119	Z	-.807	-.807	0	%100
137	M120	X	-.628	-.628	0	%100
138	M120	Z	-1.088	-1.088	0	%100
139	M121	X	-.628	-.628	0	%100
140	M121	Z	-1.088	-1.088	0	%100
141	M122	X	-.903	-.903	0	%100
142	M122	Z	-1.565	-1.565	0	%100
143	M123	X	-.903	-.903	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
144	M123	Z	-1.565	-1.565	0	%100
145	MP4B	X	-1.618	-1.618	0	%100
146	MP4B	Z	-2.803	-2.803	0	%100
147	MP3B	X	-1.618	-1.618	0	%100
148	MP3B	Z	-2.803	-2.803	0	%100
149	MP2B	X	-1.618	-1.618	0	%100
150	MP2B	Z	-2.803	-2.803	0	%100
151	MP1B	X	-1.618	-1.618	0	%100
152	MP1B	Z	-2.803	-2.803	0	%100
153	M128	X	-.775	-.775	0	%100
154	M128	Z	-1.343	-1.343	0	%100
155	M129	X	-.775	-.775	0	%100
156	M129	Z	-1.343	-1.343	0	%100
157	M130	X	-.775	-.775	0	%100
158	M130	Z	-1.343	-1.343	0	%100
159	M131	X	-.775	-.775	0	%100
160	M131	Z	-1.343	-1.343	0	%100
161	M140	X	-1.889	-1.889	0	%100
162	M140	Z	-3.272	-3.272	0	%100
163	M138A	X	-1.143	-1.143	0	%100
164	M138A	Z	-1.979	-1.979	0	%100
165	M138B	X	-1.46	-1.46	0	%100
166	M138B	Z	-2.529	-2.529	0	%100
167	M138C	X	-.306	-.306	0	%100
168	M138C	Z	-.531	-.531	0	%100
169	M138D	X	-1.051	-1.051	0	%100
170	M138D	Z	-1.82	-1.82	0	%100
171	M138E	X	-.43	-.43	0	%100
172	M138E	Z	-.745	-.745	0	%100
173	M138F	X	-.002	-.002	0	%100
174	M138F	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.529	-.529	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.529	-.529	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-.253	-.253	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.253	-.253	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.253	-.253	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.253	-.253	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.139	-.139	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.139	-.139	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.139	-.139	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.139	-.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M25	X	0	0	0	%100
30	M25	Z	-.144	-.144	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.144	-.144	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.144	-.144	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.144	-.144	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.641	-.641	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-.641	-.641	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-.641	-.641	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-.641	-.641	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-.111	-.111	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.111	-.111	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-.111	-.111	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-.111	-.111	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	-.694	-.694	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	-.132	-.132	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-.132	-.132	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-.104	-.104	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-.104	-.104	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-.104	-.104	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-.104	-.104	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-.351	-.351	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-.351	-.351	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-.008	-.008	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.008	-.008	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-.035	-.035	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-.035	-.035	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	-.035	-.035	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	-.035	-.035	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	-.159	-.159	0	%100
85	M76	X	0	0	0	%100
86	M76	Z	-.159	-.159	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	-.108	-.108	0	%100
89	M78	X	0	0	0	%100
90	M78	Z	-.108	-.108	0	%100
91	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	MP4C	Z	-.641	-.641	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.641	-.641	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	-.641	-.641	0	%100
97	MP1C	X	0	0	0	%100
98	MP1C	Z	-.641	-.641	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	-.111	-.111	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	-.111	-.111	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	-.111	-.111	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	-.111	-.111	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	-.694	-.694	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	-.132	-.132	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	-.132	-.132	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	-.104	-.104	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	-.104	-.104	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	-.104	-.104	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	-.104	-.104	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	-.008	-.008	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	-.008	-.008	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	-.351	-.351	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	-.351	-.351	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	-.035	-.035	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	-.035	-.035	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	-.035	-.035	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	-.035	-.035	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	-.108	-.108	0	%100
139	M121	X	0	0	0	%100
140	M121	Z	-.108	-.108	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	-.159	-.159	0	%100
143	M123	X	0	0	0	%100
144	M123	Z	-.159	-.159	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	-.641	-.641	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	-.641	-.641	0	%100
149	MP2B	X	0	0	0	%100
150	MP2B	Z	-.641	-.641	0	%100
151	MP1B	X	0	0	0	%100
152	MP1B	Z	-.641	-.641	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	-.111	-.111	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
155	M129	X	0	0	0	%100
156	M129	Z	-.111	-.111	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	-.111	-.111	0	%100
159	M131	X	0	0	0	%100
160	M131	Z	-.111	-.111	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	-.694	-.694	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	-.529	-.529	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	-.374	-.374	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	-.002	-.002	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	-.116	-.116	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	-.419	-.419	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	-.149	-.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.198	.198	0	%100
2	M1	Z	-.344	-.344	0	%100
3	M2	X	.198	.198	0	%100
4	M2	Z	-.344	-.344	0	%100
5	M13	X	.017	.017	0	%100
6	M13	Z	-.03	-.03	0	%100
7	M14	X	.017	.017	0	%100
8	M14	Z	-.03	-.03	0	%100
9	M15	X	.017	.017	0	%100
10	M15	Z	-.03	-.03	0	%100
11	M16	X	.017	.017	0	%100
12	M16	Z	-.03	-.03	0	%100
13	M17	X	.028	.028	0	%100
14	M17	Z	-.049	-.049	0	%100
15	M18	X	.028	.028	0	%100
16	M18	Z	-.049	-.049	0	%100
17	M19	X	.2	.2	0	%100
18	M19	Z	-.346	-.346	0	%100
19	M20	X	.2	.2	0	%100
20	M20	Z	-.346	-.346	0	%100
21	M21	X	.052	.052	0	%100
22	M21	Z	-.09	-.09	0	%100
23	M22	X	.052	.052	0	%100
24	M22	Z	-.09	-.09	0	%100
25	M23	X	.052	.052	0	%100
26	M23	Z	-.09	-.09	0	%100
27	M24	X	.052	.052	0	%100
28	M24	Z	-.09	-.09	0	%100
29	M25	X	.058	.058	0	%100
30	M25	Z	-.1	-.1	0	%100
31	M26	X	.058	.058	0	%100
32	M26	Z	-.1	-.1	0	%100
33	M27	X	.083	.083	0	%100
34	M27	Z	-.144	-.144	0	%100
35	M28	X	.083	.083	0	%100
36	M28	Z	-.144	-.144	0	%100
37	MP4A	X	.32	.32	0	%100
38	MP4A	Z	-.555	-.555	0	%100
39	MP3A	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,F...	Start Location[ft,%]	End Location[ft,%]
40	MP3A	Z	-.555	-.555	0	%100
41	MP2A	X	.32	.32	0	%100
42	MP2A	Z	-.555	-.555	0	%100
43	MP1A	X	.32	.32	0	%100
44	MP1A	Z	-.555	-.555	0	%100
45	M44	X	.056	.056	0	%100
46	M44	Z	-.096	-.096	0	%100
47	M45	X	.056	.056	0	%100
48	M45	Z	-.096	-.096	0	%100
49	M46	X	.056	.056	0	%100
50	M46	Z	-.096	-.096	0	%100
51	M47	X	.056	.056	0	%100
52	M47	Z	-.096	-.096	0	%100
53	M45A	X	.347	.347	0	%100
54	M45A	Z	-.601	-.601	0	%100
55	M53	X	.198	.198	0	%100
56	M53	Z	-.344	-.344	0	%100
57	M54	X	.198	.198	0	%100
58	M54	Z	-.344	-.344	0	%100
59	M63	X	.017	.017	0	%100
60	M63	Z	-.03	-.03	0	%100
61	M64	X	.017	.017	0	%100
62	M64	Z	-.03	-.03	0	%100
63	M65	X	.017	.017	0	%100
64	M65	Z	-.03	-.03	0	%100
65	M66	X	.017	.017	0	%100
66	M66	Z	-.03	-.03	0	%100
67	M67	X	.2	.2	0	%100
68	M67	Z	-.346	-.346	0	%100
69	M68	X	.2	.2	0	%100
70	M68	Z	-.346	-.346	0	%100
71	M69	X	.028	.028	0	%100
72	M69	Z	-.049	-.049	0	%100
73	M70	X	.028	.028	0	%100
74	M70	Z	-.049	-.049	0	%100
75	M71	X	.052	.052	0	%100
76	M71	Z	-.09	-.09	0	%100
77	M72	X	.052	.052	0	%100
78	M72	Z	-.09	-.09	0	%100
79	M73	X	.052	.052	0	%100
80	M73	Z	-.09	-.09	0	%100
81	M74	X	.052	.052	0	%100
82	M74	Z	-.09	-.09	0	%100
83	M75	X	.083	.083	0	%100
84	M75	Z	-.144	-.144	0	%100
85	M76	X	.083	.083	0	%100
86	M76	Z	-.144	-.144	0	%100
87	M77	X	.058	.058	0	%100
88	M77	Z	-.1	-.1	0	%100
89	M78	X	.058	.058	0	%100
90	M78	Z	-.1	-.1	0	%100
91	MP4C	X	.32	.32	0	%100
92	MP4C	Z	-.555	-.555	0	%100
93	MP3C	X	.32	.32	0	%100
94	MP3C	Z	-.555	-.555	0	%100
95	MP2C	X	.32	.32	0	%100
96	MP2C	Z	-.555	-.555	0	%100
97	MP1C	X	.32	.32	0	%100
98	MP1C	Z	-.555	-.555	0	%100
99	M83	X	.056	.056	0	%100
100	M83	Z	-.096	-.096	0	%100
101	M84	X	.056	.056	0	%100
102	M84	Z	-.096	-.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M85	X	.056	.056	0	%100
104	M85	Z	-.096	-.096	0	%100
105	M86	X	.056	.056	0	%100
106	M86	Z	-.096	-.096	0	%100
107	M95	X	.347	.347	0	%100
108	M95	Z	-.601	-.601	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	.07	.07	0	%100
114	M108	Z	-.121	-.121	0	%100
115	M109	X	.07	.07	0	%100
116	M109	Z	-.121	-.121	0	%100
117	M110	X	.07	.07	0	%100
118	M110	Z	-.121	-.121	0	%100
119	M111	X	.07	.07	0	%100
120	M111	Z	-.121	-.121	0	%100
121	M112	X	.078	.078	0	%100
122	M112	Z	-.134	-.134	0	%100
123	M113	X	.078	.078	0	%100
124	M113	Z	-.134	-.134	0	%100
125	M114	X	.078	.078	0	%100
126	M114	Z	-.134	-.134	0	%100
127	M115	X	.078	.078	0	%100
128	M115	Z	-.134	-.134	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	.065	.065	0	%100
138	M120	Z	-.112	-.112	0	%100
139	M121	X	.065	.065	0	%100
140	M121	Z	-.112	-.112	0	%100
141	M122	X	.065	.065	0	%100
142	M122	Z	-.112	-.112	0	%100
143	M123	X	.065	.065	0	%100
144	M123	Z	-.112	-.112	0	%100
145	MP4B	X	.32	.32	0	%100
146	MP4B	Z	-.555	-.555	0	%100
147	MP3B	X	.32	.32	0	%100
148	MP3B	Z	-.555	-.555	0	%100
149	MP2B	X	.32	.32	0	%100
150	MP2B	Z	-.555	-.555	0	%100
151	MP1B	X	.32	.32	0	%100
152	MP1B	Z	-.555	-.555	0	%100
153	M128	X	.056	.056	0	%100
154	M128	Z	-.096	-.096	0	%100
155	M129	X	.056	.056	0	%100
156	M129	Z	-.096	-.096	0	%100
157	M130	X	.056	.056	0	%100
158	M130	Z	-.096	-.096	0	%100
159	M131	X	.056	.056	0	%100
160	M131	Z	-.096	-.096	0	%100
161	M140	X	.347	.347	0	%100
162	M140	Z	-.601	-.601	0	%100
163	M138A	X	.19	.19	0	%100
164	M138A	Z	-.329	-.329	0	%100
165	M138B	X	.055	.055	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
166	M138B	Z	-.096	-.096	0	%100
167	M138C	X	.078	.078	0	%100
168	M138C	Z	-.135	-.135	0	%100
169	M138D	X	.000435	.000435	0	%100
170	M138D	Z	-.000754	-.000754	0	%100
171	M138E	X	.264	.264	0	%100
172	M138E	Z	-.457	-.457	0	%100
173	M138F	X	.207	.207	0	%100
174	M138F	Z	-.358	-.358	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.115	.115	0	%100
2	M1	Z	-.066	-.066	0	%100
3	M2	X	.115	.115	0	%100
4	M2	Z	-.066	-.066	0	%100
5	M13	X	.09	.09	0	%100
6	M13	Z	-.052	-.052	0	%100
7	M14	X	.09	.09	0	%100
8	M14	Z	-.052	-.052	0	%100
9	M15	X	.09	.09	0	%100
10	M15	Z	-.052	-.052	0	%100
11	M16	X	.09	.09	0	%100
12	M16	Z	-.052	-.052	0	%100
13	M17	X	.007	.007	0	%100
14	M17	Z	-.004	-.004	0	%100
15	M18	X	.007	.007	0	%100
16	M18	Z	-.004	-.004	0	%100
17	M19	X	.304	.304	0	%100
18	M19	Z	-.176	-.176	0	%100
19	M20	X	.304	.304	0	%100
20	M20	Z	-.176	-.176	0	%100
21	M21	X	.03	.03	0	%100
22	M21	Z	-.017	-.017	0	%100
23	M22	X	.03	.03	0	%100
24	M22	Z	-.017	-.017	0	%100
25	M23	X	.03	.03	0	%100
26	M23	Z	-.017	-.017	0	%100
27	M24	X	.03	.03	0	%100
28	M24	Z	-.017	-.017	0	%100
29	M25	X	.094	.094	0	%100
30	M25	Z	-.054	-.054	0	%100
31	M26	X	.094	.094	0	%100
32	M26	Z	-.054	-.054	0	%100
33	M27	X	.137	.137	0	%100
34	M27	Z	-.079	-.079	0	%100
35	M28	X	.137	.137	0	%100
36	M28	Z	-.079	-.079	0	%100
37	MP4A	X	.555	.555	0	%100
38	MP4A	Z	-.32	-.32	0	%100
39	MP3A	X	.555	.555	0	%100
40	MP3A	Z	-.32	-.32	0	%100
41	MP2A	X	.555	.555	0	%100
42	MP2A	Z	-.32	-.32	0	%100
43	MP1A	X	.555	.555	0	%100
44	MP1A	Z	-.32	-.32	0	%100
45	M44	X	.096	.096	0	%100
46	M44	Z	-.056	-.056	0	%100
47	M45	X	.096	.096	0	%100
48	M45	Z	-.056	-.056	0	%100
49	M46	X	.096	.096	0	%100
50	M46	Z	-.056	-.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M47	X	.096	.096	0	%100
52	M47	Z	-.056	-.056	0	%100
53	M45A	X	.601	.601	0	%100
54	M45A	Z	-.347	-.347	0	%100
55	M53	X	.458	.458	0	%100
56	M53	Z	-.265	-.265	0	%100
57	M54	X	.458	.458	0	%100
58	M54	Z	-.265	-.265	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	.219	.219	0	%100
68	M67	Z	-.126	-.126	0	%100
69	M68	X	.219	.219	0	%100
70	M68	Z	-.126	-.126	0	%100
71	M69	X	.219	.219	0	%100
72	M69	Z	-.126	-.126	0	%100
73	M70	X	.219	.219	0	%100
74	M70	Z	-.126	-.126	0	%100
75	M71	X	.121	.121	0	%100
76	M71	Z	-.07	-.07	0	%100
77	M72	X	.121	.121	0	%100
78	M72	Z	-.07	-.07	0	%100
79	M73	X	.121	.121	0	%100
80	M73	Z	-.07	-.07	0	%100
81	M74	X	.121	.121	0	%100
82	M74	Z	-.07	-.07	0	%100
83	M75	X	.125	.125	0	%100
84	M75	Z	-.072	-.072	0	%100
85	M76	X	.125	.125	0	%100
86	M76	Z	-.072	-.072	0	%100
87	M77	X	.125	.125	0	%100
88	M77	Z	-.072	-.072	0	%100
89	M78	X	.125	.125	0	%100
90	M78	Z	-.072	-.072	0	%100
91	MP4C	X	.555	.555	0	%100
92	MP4C	Z	-.32	-.32	0	%100
93	MP3C	X	.555	.555	0	%100
94	MP3C	Z	-.32	-.32	0	%100
95	MP2C	X	.555	.555	0	%100
96	MP2C	Z	-.32	-.32	0	%100
97	MP1C	X	.555	.555	0	%100
98	MP1C	Z	-.32	-.32	0	%100
99	M83	X	.096	.096	0	%100
100	M83	Z	-.056	-.056	0	%100
101	M84	X	.096	.096	0	%100
102	M84	Z	-.056	-.056	0	%100
103	M85	X	.096	.096	0	%100
104	M85	Z	-.056	-.056	0	%100
105	M86	X	.096	.096	0	%100
106	M86	Z	-.056	-.056	0	%100
107	M95	X	.601	.601	0	%100
108	M95	Z	-.347	-.347	0	%100
109	M98	X	.115	.115	0	%100
110	M98	Z	-.066	-.066	0	%100
111	M99	X	.115	.115	0	%100
112	M99	Z	-.066	-.066	0	%100
113	M108	X	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
114	M108	Z	-.052	-.052	0	%100
115	M109	X	.09	.09	0	%100
116	M109	Z	-.052	-.052	0	%100
117	M110	X	.09	.09	0	%100
118	M110	Z	-.052	-.052	0	%100
119	M111	X	.09	.09	0	%100
120	M111	Z	-.052	-.052	0	%100
121	M112	X	.304	.304	0	%100
122	M112	Z	-.176	-.176	0	%100
123	M113	X	.304	.304	0	%100
124	M113	Z	-.176	-.176	0	%100
125	M114	X	.007	.007	0	%100
126	M114	Z	-.004	-.004	0	%100
127	M115	X	.007	.007	0	%100
128	M115	Z	-.004	-.004	0	%100
129	M116	X	.03	.03	0	%100
130	M116	Z	-.017	-.017	0	%100
131	M117	X	.03	.03	0	%100
132	M117	Z	-.017	-.017	0	%100
133	M118	X	.03	.03	0	%100
134	M118	Z	-.017	-.017	0	%100
135	M119	X	.03	.03	0	%100
136	M119	Z	-.017	-.017	0	%100
137	M120	X	.137	.137	0	%100
138	M120	Z	-.079	-.079	0	%100
139	M121	X	.137	.137	0	%100
140	M121	Z	-.079	-.079	0	%100
141	M122	X	.094	.094	0	%100
142	M122	Z	-.054	-.054	0	%100
143	M123	X	.094	.094	0	%100
144	M123	Z	-.054	-.054	0	%100
145	MP4B	X	.555	.555	0	%100
146	MP4B	Z	-.32	-.32	0	%100
147	MP3B	X	.555	.555	0	%100
148	MP3B	Z	-.32	-.32	0	%100
149	MP2B	X	.555	.555	0	%100
150	MP2B	Z	-.32	-.32	0	%100
151	MP1B	X	.555	.555	0	%100
152	MP1B	Z	-.32	-.32	0	%100
153	M128	X	.096	.096	0	%100
154	M128	Z	-.056	-.056	0	%100
155	M129	X	.096	.096	0	%100
156	M129	Z	-.056	-.056	0	%100
157	M130	X	.096	.096	0	%100
158	M130	Z	-.056	-.056	0	%100
159	M131	X	.096	.096	0	%100
160	M131	Z	-.056	-.056	0	%100
161	M140	X	.601	.601	0	%100
162	M140	Z	-.347	-.347	0	%100
163	M138A	X	.101	.101	0	%100
164	M138A	Z	-.058	-.058	0	%100
165	M138B	X	.001	.001	0	%100
166	M138B	Z	-.000775	-.000775	0	%100
167	M138C	X	.363	.363	0	%100
168	M138C	Z	-.209	-.209	0	%100
169	M138D	X	.129	.129	0	%100
170	M138D	Z	-.075	-.075	0	%100
171	M138E	X	.324	.324	0	%100
172	M138E	Z	-.187	-.187	0	%100
173	M138F	X	.458	.458	0	%100
174	M138F	Z	-.264	-.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.139	.139	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.139	.139	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.139	.139	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.139	.139	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.155	.155	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.155	.155	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.155	.155	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.155	.155	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.13	.13	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.13	.13	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.13	.13	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.13	.13	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	.641	.641	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.641	.641	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	.641	.641	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	.641	.641	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	.111	.111	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	.111	.111	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	.111	.111	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	.111	.111	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	.694	.694	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	.397	.397	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	.397	.397	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	.035	.035	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	.035	.035	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.035	.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M65	Z	0	0	0	%100
65	M66	X	.035	.035	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	.057	.057	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	.057	.057	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	.4	.4	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	.4	.4	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	.104	.104	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	.104	.104	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	.104	.104	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	.104	.104	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	.115	.115	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	.115	.115	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	.166	.166	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	.166	.166	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	.641	.641	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	.641	.641	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	.641	.641	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	.641	.641	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	.111	.111	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	.111	.111	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	.111	.111	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	.111	.111	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	.694	.694	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	.397	.397	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	.397	.397	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	.035	.035	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	.035	.035	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	.035	.035	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	.035	.035	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	.4	.4	0	%100
122	M112	Z	0	0	0	%100
123	M113	X	.4	.4	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	.057	.057	0	%100
126	M114	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
127	M115	X	.057	.057	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	.104	.104	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	.104	.104	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	.104	.104	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	.104	.104	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	.166	.166	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	.166	.166	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	.115	.115	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	.115	.115	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	.641	.641	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	.641	.641	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	.641	.641	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	.641	.641	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	.111	.111	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	.111	.111	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	.111	.111	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	.111	.111	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	.694	.694	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	.000871	.000871	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	.155	.155	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	.528	.528	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	.413	.413	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	.111	.111	0	%100
172	M138E	Z	0	0	0	%100
173	M138F	X	.38	.38	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.115	.115	0	%100
2	M1	Z	.066	.066	0	%100
3	M2	X	.115	.115	0	%100
4	M2	Z	.066	.066	0	%100
5	M13	X	.09	.09	0	%100
6	M13	Z	.052	.052	0	%100
7	M14	X	.09	.09	0	%100
8	M14	Z	.052	.052	0	%100
9	M15	X	.09	.09	0	%100
10	M15	Z	.052	.052	0	%100
11	M16	X	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M16	Z	.052	.052	0	%100
13	M17	X	.304	.304	0	%100
14	M17	Z	.176	.176	0	%100
15	M18	X	.304	.304	0	%100
16	M18	Z	.176	.176	0	%100
17	M19	X	.007	.007	0	%100
18	M19	Z	.004	.004	0	%100
19	M20	X	.007	.007	0	%100
20	M20	Z	.004	.004	0	%100
21	M21	X	.03	.03	0	%100
22	M21	Z	.017	.017	0	%100
23	M22	X	.03	.03	0	%100
24	M22	Z	.017	.017	0	%100
25	M23	X	.03	.03	0	%100
26	M23	Z	.017	.017	0	%100
27	M24	X	.03	.03	0	%100
28	M24	Z	.017	.017	0	%100
29	M25	X	.137	.137	0	%100
30	M25	Z	.079	.079	0	%100
31	M26	X	.137	.137	0	%100
32	M26	Z	.079	.079	0	%100
33	M27	X	.094	.094	0	%100
34	M27	Z	.054	.054	0	%100
35	M28	X	.094	.094	0	%100
36	M28	Z	.054	.054	0	%100
37	MP4A	X	.555	.555	0	%100
38	MP4A	Z	.32	.32	0	%100
39	MP3A	X	.555	.555	0	%100
40	MP3A	Z	.32	.32	0	%100
41	MP2A	X	.555	.555	0	%100
42	MP2A	Z	.32	.32	0	%100
43	MP1A	X	.555	.555	0	%100
44	MP1A	Z	.32	.32	0	%100
45	M44	X	.096	.096	0	%100
46	M44	Z	.056	.056	0	%100
47	M45	X	.096	.096	0	%100
48	M45	Z	.056	.056	0	%100
49	M46	X	.096	.096	0	%100
50	M46	Z	.056	.056	0	%100
51	M47	X	.096	.096	0	%100
52	M47	Z	.056	.056	0	%100
53	M45A	X	.601	.601	0	%100
54	M45A	Z	.347	.347	0	%100
55	M53	X	.115	.115	0	%100
56	M53	Z	.066	.066	0	%100
57	M54	X	.115	.115	0	%100
58	M54	Z	.066	.066	0	%100
59	M63	X	.09	.09	0	%100
60	M63	Z	.052	.052	0	%100
61	M64	X	.09	.09	0	%100
62	M64	Z	.052	.052	0	%100
63	M65	X	.09	.09	0	%100
64	M65	Z	.052	.052	0	%100
65	M66	X	.09	.09	0	%100
66	M66	Z	.052	.052	0	%100
67	M67	X	.007	.007	0	%100
68	M67	Z	.004	.004	0	%100
69	M68	X	.007	.007	0	%100
70	M68	Z	.004	.004	0	%100
71	M69	X	.304	.304	0	%100
72	M69	Z	.176	.176	0	%100
73	M70	X	.304	.304	0	%100
74	M70	Z	.176	.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	M71	X	.03	.03	0	%100
76	M71	Z	.017	.017	0	%100
77	M72	X	.03	.03	0	%100
78	M72	Z	.017	.017	0	%100
79	M73	X	.03	.03	0	%100
80	M73	Z	.017	.017	0	%100
81	M74	X	.03	.03	0	%100
82	M74	Z	.017	.017	0	%100
83	M75	X	.094	.094	0	%100
84	M75	Z	.054	.054	0	%100
85	M76	X	.094	.094	0	%100
86	M76	Z	.054	.054	0	%100
87	M77	X	.137	.137	0	%100
88	M77	Z	.079	.079	0	%100
89	M78	X	.137	.137	0	%100
90	M78	Z	.079	.079	0	%100
91	MP4C	X	.555	.555	0	%100
92	MP4C	Z	.32	.32	0	%100
93	MP3C	X	.555	.555	0	%100
94	MP3C	Z	.32	.32	0	%100
95	MP2C	X	.555	.555	0	%100
96	MP2C	Z	.32	.32	0	%100
97	MP1C	X	.555	.555	0	%100
98	MP1C	Z	.32	.32	0	%100
99	M83	X	.096	.096	0	%100
100	M83	Z	.056	.056	0	%100
101	M84	X	.096	.096	0	%100
102	M84	Z	.056	.056	0	%100
103	M85	X	.096	.096	0	%100
104	M85	Z	.056	.056	0	%100
105	M86	X	.096	.096	0	%100
106	M86	Z	.056	.056	0	%100
107	M95	X	.601	.601	0	%100
108	M95	Z	.347	.347	0	%100
109	M98	X	.458	.458	0	%100
110	M98	Z	.265	.265	0	%100
111	M99	X	.458	.458	0	%100
112	M99	Z	.265	.265	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	.219	.219	0	%100
122	M112	Z	.126	.126	0	%100
123	M113	X	.219	.219	0	%100
124	M113	Z	.126	.126	0	%100
125	M114	X	.219	.219	0	%100
126	M114	Z	.126	.126	0	%100
127	M115	X	.219	.219	0	%100
128	M115	Z	.126	.126	0	%100
129	M116	X	.121	.121	0	%100
130	M116	Z	.07	.07	0	%100
131	M117	X	.121	.121	0	%100
132	M117	Z	.07	.07	0	%100
133	M118	X	.121	.121	0	%100
134	M118	Z	.07	.07	0	%100
135	M119	X	.121	.121	0	%100
136	M119	Z	.07	.07	0	%100
137	M120	X	.125	.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
138	M120	Z	.072	.072	0	%100
139	M121	X	.125	.125	0	%100
140	M121	Z	.072	.072	0	%100
141	M122	X	.125	.125	0	%100
142	M122	Z	.072	.072	0	%100
143	M123	X	.125	.125	0	%100
144	M123	Z	.072	.072	0	%100
145	MP4B	X	.555	.555	0	%100
146	MP4B	Z	.32	.32	0	%100
147	MP3B	X	.555	.555	0	%100
148	MP3B	Z	.32	.32	0	%100
149	MP2B	X	.555	.555	0	%100
150	MP2B	Z	.32	.32	0	%100
151	MP1B	X	.555	.555	0	%100
152	MP1B	Z	.32	.32	0	%100
153	M128	X	.096	.096	0	%100
154	M128	Z	.056	.056	0	%100
155	M129	X	.096	.096	0	%100
156	M129	Z	.056	.056	0	%100
157	M130	X	.096	.096	0	%100
158	M130	Z	.056	.056	0	%100
159	M131	X	.096	.096	0	%100
160	M131	Z	.056	.056	0	%100
161	M140	X	.601	.601	0	%100
162	M140	Z	.347	.347	0	%100
163	M138A	X	.129	.129	0	%100
164	M138A	Z	.075	.075	0	%100
165	M138B	X	.363	.363	0	%100
166	M138B	Z	.209	.209	0	%100
167	M138C	X	.324	.324	0	%100
168	M138C	Z	.187	.187	0	%100
169	M138D	X	.458	.458	0	%100
170	M138D	Z	.264	.264	0	%100
171	M138E	X	.001	.001	0	%100
172	M138E	Z	.000775	.000775	0	%100
173	M138F	X	.101	.101	0	%100
174	M138F	Z	.058	.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.198	.198	0	%100
2	M1	Z	.344	.344	0	%100
3	M2	X	.198	.198	0	%100
4	M2	Z	.344	.344	0	%100
5	M13	X	.017	.017	0	%100
6	M13	Z	.03	.03	0	%100
7	M14	X	.017	.017	0	%100
8	M14	Z	.03	.03	0	%100
9	M15	X	.017	.017	0	%100
10	M15	Z	.03	.03	0	%100
11	M16	X	.017	.017	0	%100
12	M16	Z	.03	.03	0	%100
13	M17	X	.2	.2	0	%100
14	M17	Z	.346	.346	0	%100
15	M18	X	.2	.2	0	%100
16	M18	Z	.346	.346	0	%100
17	M19	X	.028	.028	0	%100
18	M19	Z	.049	.049	0	%100
19	M20	X	.028	.028	0	%100
20	M20	Z	.049	.049	0	%100
21	M21	X	.052	.052	0	%100
22	M21	Z	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M22	X	.052	.052	0	%100
24	M22	Z	.09	.09	0	%100
25	M23	X	.052	.052	0	%100
26	M23	Z	.09	.09	0	%100
27	M24	X	.052	.052	0	%100
28	M24	Z	.09	.09	0	%100
29	M25	X	.083	.083	0	%100
30	M25	Z	.144	.144	0	%100
31	M26	X	.083	.083	0	%100
32	M26	Z	.144	.144	0	%100
33	M27	X	.058	.058	0	%100
34	M27	Z	.1	.1	0	%100
35	M28	X	.058	.058	0	%100
36	M28	Z	.1	.1	0	%100
37	MP4A	X	.32	.32	0	%100
38	MP4A	Z	.555	.555	0	%100
39	MP3A	X	.32	.32	0	%100
40	MP3A	Z	.555	.555	0	%100
41	MP2A	X	.32	.32	0	%100
42	MP2A	Z	.555	.555	0	%100
43	MP1A	X	.32	.32	0	%100
44	MP1A	Z	.555	.555	0	%100
45	M44	X	.056	.056	0	%100
46	M44	Z	.096	.096	0	%100
47	M45	X	.056	.056	0	%100
48	M45	Z	.096	.096	0	%100
49	M46	X	.056	.056	0	%100
50	M46	Z	.096	.096	0	%100
51	M47	X	.056	.056	0	%100
52	M47	Z	.096	.096	0	%100
53	M45A	X	.347	.347	0	%100
54	M45A	Z	.601	.601	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	.07	.07	0	%100
60	M63	Z	.121	.121	0	%100
61	M64	X	.07	.07	0	%100
62	M64	Z	.121	.121	0	%100
63	M65	X	.07	.07	0	%100
64	M65	Z	.121	.121	0	%100
65	M66	X	.07	.07	0	%100
66	M66	Z	.121	.121	0	%100
67	M67	X	.078	.078	0	%100
68	M67	Z	.134	.134	0	%100
69	M68	X	.078	.078	0	%100
70	M68	Z	.134	.134	0	%100
71	M69	X	.078	.078	0	%100
72	M69	Z	.134	.134	0	%100
73	M70	X	.078	.078	0	%100
74	M70	Z	.134	.134	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	.065	.065	0	%100
84	M75	Z	.112	.112	0	%100
85	M76	X	.065	.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	M76	Z	.112	.112	0	%100
87	M77	X	.065	.065	0	%100
88	M77	Z	.112	.112	0	%100
89	M78	X	.065	.065	0	%100
90	M78	Z	.112	.112	0	%100
91	MP4C	X	.32	.32	0	%100
92	MP4C	Z	.555	.555	0	%100
93	MP3C	X	.32	.32	0	%100
94	MP3C	Z	.555	.555	0	%100
95	MP2C	X	.32	.32	0	%100
96	MP2C	Z	.555	.555	0	%100
97	MP1C	X	.32	.32	0	%100
98	MP1C	Z	.555	.555	0	%100
99	M83	X	.056	.056	0	%100
100	M83	Z	.096	.096	0	%100
101	M84	X	.056	.056	0	%100
102	M84	Z	.096	.096	0	%100
103	M85	X	.056	.056	0	%100
104	M85	Z	.096	.096	0	%100
105	M86	X	.056	.056	0	%100
106	M86	Z	.096	.096	0	%100
107	M95	X	.347	.347	0	%100
108	M95	Z	.601	.601	0	%100
109	M98	X	.198	.198	0	%100
110	M98	Z	.344	.344	0	%100
111	M99	X	.198	.198	0	%100
112	M99	Z	.344	.344	0	%100
113	M108	X	.017	.017	0	%100
114	M108	Z	.03	.03	0	%100
115	M109	X	.017	.017	0	%100
116	M109	Z	.03	.03	0	%100
117	M110	X	.017	.017	0	%100
118	M110	Z	.03	.03	0	%100
119	M111	X	.017	.017	0	%100
120	M111	Z	.03	.03	0	%100
121	M112	X	.028	.028	0	%100
122	M112	Z	.049	.049	0	%100
123	M113	X	.028	.028	0	%100
124	M113	Z	.049	.049	0	%100
125	M114	X	.2	.2	0	%100
126	M114	Z	.346	.346	0	%100
127	M115	X	.2	.2	0	%100
128	M115	Z	.346	.346	0	%100
129	M116	X	.052	.052	0	%100
130	M116	Z	.09	.09	0	%100
131	M117	X	.052	.052	0	%100
132	M117	Z	.09	.09	0	%100
133	M118	X	.052	.052	0	%100
134	M118	Z	.09	.09	0	%100
135	M119	X	.052	.052	0	%100
136	M119	Z	.09	.09	0	%100
137	M120	X	.058	.058	0	%100
138	M120	Z	.1	.1	0	%100
139	M121	X	.058	.058	0	%100
140	M121	Z	.1	.1	0	%100
141	M122	X	.083	.083	0	%100
142	M122	Z	.144	.144	0	%100
143	M123	X	.083	.083	0	%100
144	M123	Z	.144	.144	0	%100
145	MP4B	X	.32	.32	0	%100
146	MP4B	Z	.555	.555	0	%100
147	MP3B	X	.32	.32	0	%100
148	MP3B	Z	.555	.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
149	MP2B	X	.32	.32	0	%100
150	MP2B	Z	.555	.555	0	%100
151	MP1B	X	.32	.32	0	%100
152	MP1B	Z	.555	.555	0	%100
153	M128	X	.056	.056	0	%100
154	M128	Z	.096	.096	0	%100
155	M129	X	.056	.056	0	%100
156	M129	Z	.096	.096	0	%100
157	M130	X	.056	.056	0	%100
158	M130	Z	.096	.096	0	%100
159	M131	X	.056	.056	0	%100
160	M131	Z	.096	.096	0	%100
161	M140	X	.347	.347	0	%100
162	M140	Z	.601	.601	0	%100
163	M138A	X	.207	.207	0	%100
164	M138A	Z	.358	.358	0	%100
165	M138B	X	.264	.264	0	%100
166	M138B	Z	.457	.457	0	%100
167	M138C	X	.055	.055	0	%100
168	M138C	Z	.096	.096	0	%100
169	M138D	X	.19	.19	0	%100
170	M138D	Z	.329	.329	0	%100
171	M138E	X	.078	.078	0	%100
172	M138E	Z	.135	.135	0	%100
173	M138F	X	.000435	.000435	0	%100
174	M138F	Z	.000754	.000754	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.529	.529	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.529	.529	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	.253	.253	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.253	.253	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.253	.253	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.253	.253	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.139	.139	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.139	.139	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.139	.139	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.139	.139	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.144	.144	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.144	.144	0	%100
33	M27	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M27	Z	.144	.144	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.144	.144	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.641	.641	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.641	.641	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.641	.641	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.641	.641	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.111	.111	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.111	.111	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	.111	.111	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.111	.111	0	%100
53	M45A	X	0	0	0	%100
54	M45A	Z	.694	.694	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	.132	.132	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.132	.132	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	.104	.104	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	.104	.104	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	.104	.104	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	.104	.104	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	.351	.351	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	.351	.351	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	.008	.008	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	.008	.008	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	.035	.035	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	.035	.035	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	.035	.035	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	.035	.035	0	%100
83	M75	X	0	0	0	%100
84	M75	Z	.159	.159	0	%100
85	M76	X	0	0	0	%100
86	M76	Z	.159	.159	0	%100
87	M77	X	0	0	0	%100
88	M77	Z	.108	.108	0	%100
89	M78	X	0	0	0	%100
90	M78	Z	.108	.108	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.641	.641	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.641	.641	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.641	.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP1C	X	0	0	0	%100
98	MP1C	Z	.641	.641	0	%100
99	M83	X	0	0	0	%100
100	M83	Z	.111	.111	0	%100
101	M84	X	0	0	0	%100
102	M84	Z	.111	.111	0	%100
103	M85	X	0	0	0	%100
104	M85	Z	.111	.111	0	%100
105	M86	X	0	0	0	%100
106	M86	Z	.111	.111	0	%100
107	M95	X	0	0	0	%100
108	M95	Z	.694	.694	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	.132	.132	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	.132	.132	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	.104	.104	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	.104	.104	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	.104	.104	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	.104	.104	0	%100
121	M112	X	0	0	0	%100
122	M112	Z	.008	.008	0	%100
123	M113	X	0	0	0	%100
124	M113	Z	.008	.008	0	%100
125	M114	X	0	0	0	%100
126	M114	Z	.351	.351	0	%100
127	M115	X	0	0	0	%100
128	M115	Z	.351	.351	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	.035	.035	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	.035	.035	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	.035	.035	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	.035	.035	0	%100
137	M120	X	0	0	0	%100
138	M120	Z	.108	.108	0	%100
139	M121	X	0	0	0	%100
140	M121	Z	.108	.108	0	%100
141	M122	X	0	0	0	%100
142	M122	Z	.159	.159	0	%100
143	M123	X	0	0	0	%100
144	M123	Z	.159	.159	0	%100
145	MP4B	X	0	0	0	%100
146	MP4B	Z	.641	.641	0	%100
147	MP3B	X	0	0	0	%100
148	MP3B	Z	.641	.641	0	%100
149	MP2B	X	0	0	0	%100
150	MP2B	Z	.641	.641	0	%100
151	MP1B	X	0	0	0	%100
152	MP1B	Z	.641	.641	0	%100
153	M128	X	0	0	0	%100
154	M128	Z	.111	.111	0	%100
155	M129	X	0	0	0	%100
156	M129	Z	.111	.111	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	.111	.111	0	%100
159	M131	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
160	M131	Z	.111	.111	0	%100
161	M140	X	0	0	0	%100
162	M140	Z	.694	.694	0	%100
163	M138A	X	0	0	0	%100
164	M138A	Z	.529	.529	0	%100
165	M138B	X	0	0	0	%100
166	M138B	Z	.374	.374	0	%100
167	M138C	X	0	0	0	%100
168	M138C	Z	.002	.002	0	%100
169	M138D	X	0	0	0	%100
170	M138D	Z	.116	.116	0	%100
171	M138E	X	0	0	0	%100
172	M138E	Z	.419	.419	0	%100
173	M138F	X	0	0	0	%100
174	M138F	Z	.149	.149	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.198	-.198	0	%100
2	M1	Z	.344	.344	0	%100
3	M2	X	-.198	-.198	0	%100
4	M2	Z	.344	.344	0	%100
5	M13	X	-.017	-.017	0	%100
6	M13	Z	.03	.03	0	%100
7	M14	X	-.017	-.017	0	%100
8	M14	Z	.03	.03	0	%100
9	M15	X	-.017	-.017	0	%100
10	M15	Z	.03	.03	0	%100
11	M16	X	-.017	-.017	0	%100
12	M16	Z	.03	.03	0	%100
13	M17	X	-.028	-.028	0	%100
14	M17	Z	.049	.049	0	%100
15	M18	X	-.028	-.028	0	%100
16	M18	Z	.049	.049	0	%100
17	M19	X	-.2	-.2	0	%100
18	M19	Z	.346	.346	0	%100
19	M20	X	-.2	-.2	0	%100
20	M20	Z	.346	.346	0	%100
21	M21	X	-.052	-.052	0	%100
22	M21	Z	.09	.09	0	%100
23	M22	X	-.052	-.052	0	%100
24	M22	Z	.09	.09	0	%100
25	M23	X	-.052	-.052	0	%100
26	M23	Z	.09	.09	0	%100
27	M24	X	-.052	-.052	0	%100
28	M24	Z	.09	.09	0	%100
29	M25	X	-.058	-.058	0	%100
30	M25	Z	.1	.1	0	%100
31	M26	X	-.058	-.058	0	%100
32	M26	Z	.1	.1	0	%100
33	M27	X	-.083	-.083	0	%100
34	M27	Z	.144	.144	0	%100
35	M28	X	-.083	-.083	0	%100
36	M28	Z	.144	.144	0	%100
37	MP4A	X	-.32	-.32	0	%100
38	MP4A	Z	.555	.555	0	%100
39	MP3A	X	-.32	-.32	0	%100
40	MP3A	Z	.555	.555	0	%100
41	MP2A	X	-.32	-.32	0	%100
42	MP2A	Z	.555	.555	0	%100
43	MP1A	X	-.32	-.32	0	%100
44	MP1A	Z	.555	.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M44	X	-.056	-.056	0	%100
46	M44	Z	.096	.096	0	%100
47	M45	X	-.056	-.056	0	%100
48	M45	Z	.096	.096	0	%100
49	M46	X	-.056	-.056	0	%100
50	M46	Z	.096	.096	0	%100
51	M47	X	-.056	-.056	0	%100
52	M47	Z	.096	.096	0	%100
53	M45A	X	-.347	-.347	0	%100
54	M45A	Z	.601	.601	0	%100
55	M53	X	-.198	-.198	0	%100
56	M53	Z	.344	.344	0	%100
57	M54	X	-.198	-.198	0	%100
58	M54	Z	.344	.344	0	%100
59	M63	X	-.017	-.017	0	%100
60	M63	Z	.03	.03	0	%100
61	M64	X	-.017	-.017	0	%100
62	M64	Z	.03	.03	0	%100
63	M65	X	-.017	-.017	0	%100
64	M65	Z	.03	.03	0	%100
65	M66	X	-.017	-.017	0	%100
66	M66	Z	.03	.03	0	%100
67	M67	X	-.2	-.2	0	%100
68	M67	Z	.346	.346	0	%100
69	M68	X	-.2	-.2	0	%100
70	M68	Z	.346	.346	0	%100
71	M69	X	-.028	-.028	0	%100
72	M69	Z	.049	.049	0	%100
73	M70	X	-.028	-.028	0	%100
74	M70	Z	.049	.049	0	%100
75	M71	X	-.052	-.052	0	%100
76	M71	Z	.09	.09	0	%100
77	M72	X	-.052	-.052	0	%100
78	M72	Z	.09	.09	0	%100
79	M73	X	-.052	-.052	0	%100
80	M73	Z	.09	.09	0	%100
81	M74	X	-.052	-.052	0	%100
82	M74	Z	.09	.09	0	%100
83	M75	X	-.083	-.083	0	%100
84	M75	Z	.144	.144	0	%100
85	M76	X	-.083	-.083	0	%100
86	M76	Z	.144	.144	0	%100
87	M77	X	-.058	-.058	0	%100
88	M77	Z	.1	.1	0	%100
89	M78	X	-.058	-.058	0	%100
90	M78	Z	.1	.1	0	%100
91	MP4C	X	-.32	-.32	0	%100
92	MP4C	Z	.555	.555	0	%100
93	MP3C	X	-.32	-.32	0	%100
94	MP3C	Z	.555	.555	0	%100
95	MP2C	X	-.32	-.32	0	%100
96	MP2C	Z	.555	.555	0	%100
97	MP1C	X	-.32	-.32	0	%100
98	MP1C	Z	.555	.555	0	%100
99	M83	X	-.056	-.056	0	%100
100	M83	Z	.096	.096	0	%100
101	M84	X	-.056	-.056	0	%100
102	M84	Z	.096	.096	0	%100
103	M85	X	-.056	-.056	0	%100
104	M85	Z	.096	.096	0	%100
105	M86	X	-.056	-.056	0	%100
106	M86	Z	.096	.096	0	%100
107	M95	X	-.347	-.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	M95	Z	.601	.601	0	%100
109	M98	X	0	0	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	0	0	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	-.07	-.07	0	%100
114	M108	Z	.121	.121	0	%100
115	M109	X	-.07	-.07	0	%100
116	M109	Z	.121	.121	0	%100
117	M110	X	-.07	-.07	0	%100
118	M110	Z	.121	.121	0	%100
119	M111	X	-.07	-.07	0	%100
120	M111	Z	.121	.121	0	%100
121	M112	X	-.078	-.078	0	%100
122	M112	Z	.134	.134	0	%100
123	M113	X	-.078	-.078	0	%100
124	M113	Z	.134	.134	0	%100
125	M114	X	-.078	-.078	0	%100
126	M114	Z	.134	.134	0	%100
127	M115	X	-.078	-.078	0	%100
128	M115	Z	.134	.134	0	%100
129	M116	X	0	0	0	%100
130	M116	Z	0	0	0	%100
131	M117	X	0	0	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	0	0	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	0	0	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-.065	-.065	0	%100
138	M120	Z	.112	.112	0	%100
139	M121	X	-.065	-.065	0	%100
140	M121	Z	.112	.112	0	%100
141	M122	X	-.065	-.065	0	%100
142	M122	Z	.112	.112	0	%100
143	M123	X	-.065	-.065	0	%100
144	M123	Z	.112	.112	0	%100
145	MP4B	X	-.32	-.32	0	%100
146	MP4B	Z	.555	.555	0	%100
147	MP3B	X	-.32	-.32	0	%100
148	MP3B	Z	.555	.555	0	%100
149	MP2B	X	-.32	-.32	0	%100
150	MP2B	Z	.555	.555	0	%100
151	MP1B	X	-.32	-.32	0	%100
152	MP1B	Z	.555	.555	0	%100
153	M128	X	-.056	-.056	0	%100
154	M128	Z	.096	.096	0	%100
155	M129	X	-.056	-.056	0	%100
156	M129	Z	.096	.096	0	%100
157	M130	X	-.056	-.056	0	%100
158	M130	Z	.096	.096	0	%100
159	M131	X	-.056	-.056	0	%100
160	M131	Z	.096	.096	0	%100
161	M140	X	-.347	-.347	0	%100
162	M140	Z	.601	.601	0	%100
163	M138A	X	-.19	-.19	0	%100
164	M138A	Z	.329	.329	0	%100
165	M138B	X	-.055	-.055	0	%100
166	M138B	Z	.096	.096	0	%100
167	M138C	X	-.078	-.078	0	%100
168	M138C	Z	.135	.135	0	%100
169	M138D	X	-.000435	-.000435	0	%100
170	M138D	Z	.000754	.000754	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
171	M138E	X	-.264	-.264	0	%100
172	M138E	Z	.457	.457	0	%100
173	M138F	X	-.207	-.207	0	%100
174	M138F	Z	.358	.358	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.115	-.115	0	%100
2	M1	Z	.066	.066	0	%100
3	M2	X	-.115	-.115	0	%100
4	M2	Z	.066	.066	0	%100
5	M13	X	-.09	-.09	0	%100
6	M13	Z	.052	.052	0	%100
7	M14	X	-.09	-.09	0	%100
8	M14	Z	.052	.052	0	%100
9	M15	X	-.09	-.09	0	%100
10	M15	Z	.052	.052	0	%100
11	M16	X	-.09	-.09	0	%100
12	M16	Z	.052	.052	0	%100
13	M17	X	-.007	-.007	0	%100
14	M17	Z	.004	.004	0	%100
15	M18	X	-.007	-.007	0	%100
16	M18	Z	.004	.004	0	%100
17	M19	X	-.304	-.304	0	%100
18	M19	Z	.176	.176	0	%100
19	M20	X	-.304	-.304	0	%100
20	M20	Z	.176	.176	0	%100
21	M21	X	-.03	-.03	0	%100
22	M21	Z	.017	.017	0	%100
23	M22	X	-.03	-.03	0	%100
24	M22	Z	.017	.017	0	%100
25	M23	X	-.03	-.03	0	%100
26	M23	Z	.017	.017	0	%100
27	M24	X	-.03	-.03	0	%100
28	M24	Z	.017	.017	0	%100
29	M25	X	-.094	-.094	0	%100
30	M25	Z	.054	.054	0	%100
31	M26	X	-.094	-.094	0	%100
32	M26	Z	.054	.054	0	%100
33	M27	X	-.137	-.137	0	%100
34	M27	Z	.079	.079	0	%100
35	M28	X	-.137	-.137	0	%100
36	M28	Z	.079	.079	0	%100
37	MP4A	X	-.555	-.555	0	%100
38	MP4A	Z	.32	.32	0	%100
39	MP3A	X	-.555	-.555	0	%100
40	MP3A	Z	.32	.32	0	%100
41	MP2A	X	-.555	-.555	0	%100
42	MP2A	Z	.32	.32	0	%100
43	MP1A	X	-.555	-.555	0	%100
44	MP1A	Z	.32	.32	0	%100
45	M44	X	-.096	-.096	0	%100
46	M44	Z	.056	.056	0	%100
47	M45	X	-.096	-.096	0	%100
48	M45	Z	.056	.056	0	%100
49	M46	X	-.096	-.096	0	%100
50	M46	Z	.056	.056	0	%100
51	M47	X	-.096	-.096	0	%100
52	M47	Z	.056	.056	0	%100
53	M45A	X	-.601	-.601	0	%100
54	M45A	Z	.347	.347	0	%100
55	M53	X	-.458	-.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
56	M53	Z	.265	.265	0	%100
57	M54	X	-.458	-.458	0	%100
58	M54	Z	.265	.265	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-.219	-.219	0	%100
68	M67	Z	.126	.126	0	%100
69	M68	X	-.219	-.219	0	%100
70	M68	Z	.126	.126	0	%100
71	M69	X	-.219	-.219	0	%100
72	M69	Z	.126	.126	0	%100
73	M70	X	-.219	-.219	0	%100
74	M70	Z	.126	.126	0	%100
75	M71	X	-.121	-.121	0	%100
76	M71	Z	.07	.07	0	%100
77	M72	X	-.121	-.121	0	%100
78	M72	Z	.07	.07	0	%100
79	M73	X	-.121	-.121	0	%100
80	M73	Z	.07	.07	0	%100
81	M74	X	-.121	-.121	0	%100
82	M74	Z	.07	.07	0	%100
83	M75	X	-.125	-.125	0	%100
84	M75	Z	.072	.072	0	%100
85	M76	X	-.125	-.125	0	%100
86	M76	Z	.072	.072	0	%100
87	M77	X	-.125	-.125	0	%100
88	M77	Z	.072	.072	0	%100
89	M78	X	-.125	-.125	0	%100
90	M78	Z	.072	.072	0	%100
91	MP4C	X	-.555	-.555	0	%100
92	MP4C	Z	.32	.32	0	%100
93	MP3C	X	-.555	-.555	0	%100
94	MP3C	Z	.32	.32	0	%100
95	MP2C	X	-.555	-.555	0	%100
96	MP2C	Z	.32	.32	0	%100
97	MP1C	X	-.555	-.555	0	%100
98	MP1C	Z	.32	.32	0	%100
99	M83	X	-.096	-.096	0	%100
100	M83	Z	.056	.056	0	%100
101	M84	X	-.096	-.096	0	%100
102	M84	Z	.056	.056	0	%100
103	M85	X	-.096	-.096	0	%100
104	M85	Z	.056	.056	0	%100
105	M86	X	-.096	-.096	0	%100
106	M86	Z	.056	.056	0	%100
107	M95	X	-.601	-.601	0	%100
108	M95	Z	.347	.347	0	%100
109	M98	X	-.115	-.115	0	%100
110	M98	Z	.066	.066	0	%100
111	M99	X	-.115	-.115	0	%100
112	M99	Z	.066	.066	0	%100
113	M108	X	-.09	-.09	0	%100
114	M108	Z	.052	.052	0	%100
115	M109	X	-.09	-.09	0	%100
116	M109	Z	.052	.052	0	%100
117	M110	X	-.09	-.09	0	%100
118	M110	Z	.052	.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	M111	X	-.09	-.09	0	%100
120	M111	Z	.052	.052	0	%100
121	M112	X	-.304	-.304	0	%100
122	M112	Z	.176	.176	0	%100
123	M113	X	-.304	-.304	0	%100
124	M113	Z	.176	.176	0	%100
125	M114	X	-.007	-.007	0	%100
126	M114	Z	.004	.004	0	%100
127	M115	X	-.007	-.007	0	%100
128	M115	Z	.004	.004	0	%100
129	M116	X	-.03	-.03	0	%100
130	M116	Z	.017	.017	0	%100
131	M117	X	-.03	-.03	0	%100
132	M117	Z	.017	.017	0	%100
133	M118	X	-.03	-.03	0	%100
134	M118	Z	.017	.017	0	%100
135	M119	X	-.03	-.03	0	%100
136	M119	Z	.017	.017	0	%100
137	M120	X	-.137	-.137	0	%100
138	M120	Z	.079	.079	0	%100
139	M121	X	-.137	-.137	0	%100
140	M121	Z	.079	.079	0	%100
141	M122	X	-.094	-.094	0	%100
142	M122	Z	.054	.054	0	%100
143	M123	X	-.094	-.094	0	%100
144	M123	Z	.054	.054	0	%100
145	MP4B	X	-.555	-.555	0	%100
146	MP4B	Z	.32	.32	0	%100
147	MP3B	X	-.555	-.555	0	%100
148	MP3B	Z	.32	.32	0	%100
149	MP2B	X	-.555	-.555	0	%100
150	MP2B	Z	.32	.32	0	%100
151	MP1B	X	-.555	-.555	0	%100
152	MP1B	Z	.32	.32	0	%100
153	M128	X	-.096	-.096	0	%100
154	M128	Z	.056	.056	0	%100
155	M129	X	-.096	-.096	0	%100
156	M129	Z	.056	.056	0	%100
157	M130	X	-.096	-.096	0	%100
158	M130	Z	.056	.056	0	%100
159	M131	X	-.096	-.096	0	%100
160	M131	Z	.056	.056	0	%100
161	M140	X	-.601	-.601	0	%100
162	M140	Z	.347	.347	0	%100
163	M138A	X	-.101	-.101	0	%100
164	M138A	Z	.058	.058	0	%100
165	M138B	X	-.001	-.001	0	%100
166	M138B	Z	.000775	.000775	0	%100
167	M138C	X	-.363	-.363	0	%100
168	M138C	Z	.209	.209	0	%100
169	M138D	X	-.129	-.129	0	%100
170	M138D	Z	.075	.075	0	%100
171	M138E	X	-.324	-.324	0	%100
172	M138E	Z	.187	.187	0	%100
173	M138F	X	-.458	-.458	0	%100
174	M138F	Z	.264	.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	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,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	0	0	0	%100
5	M13	X	-.139	-.139	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.139	-.139	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.139	-.139	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.139	-.139	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-.155	-.155	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-.155	-.155	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.155	-.155	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.155	-.155	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.13	-.13	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.13	-.13	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.13	-.13	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.13	-.13	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-.641	-.641	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.641	-.641	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-.641	-.641	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-.641	-.641	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-.111	-.111	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.111	-.111	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-.111	-.111	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-.111	-.111	0	%100
52	M47	Z	0	0	0	%100
53	M45A	X	-.694	-.694	0	%100
54	M45A	Z	0	0	0	%100
55	M53	X	-.397	-.397	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	-.397	-.397	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	-.035	-.035	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	-.035	-.035	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.035	-.035	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	-.035	-.035	0	%100
66	M66	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M67	X	-.057	-.057	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	-.057	-.057	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	-.4	-.4	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-.4	-.4	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	-.104	-.104	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-.104	-.104	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	-.104	-.104	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	-.104	-.104	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-.115	-.115	0	%100
84	M75	Z	0	0	0	%100
85	M76	X	-.115	-.115	0	%100
86	M76	Z	0	0	0	%100
87	M77	X	-.166	-.166	0	%100
88	M77	Z	0	0	0	%100
89	M78	X	-.166	-.166	0	%100
90	M78	Z	0	0	0	%100
91	MP4C	X	-.641	-.641	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	-.641	-.641	0	%100
94	MP3C	Z	0	0	0	%100
95	MP2C	X	-.641	-.641	0	%100
96	MP2C	Z	0	0	0	%100
97	MP1C	X	-.641	-.641	0	%100
98	MP1C	Z	0	0	0	%100
99	M83	X	-.111	-.111	0	%100
100	M83	Z	0	0	0	%100
101	M84	X	-.111	-.111	0	%100
102	M84	Z	0	0	0	%100
103	M85	X	-.111	-.111	0	%100
104	M85	Z	0	0	0	%100
105	M86	X	-.111	-.111	0	%100
106	M86	Z	0	0	0	%100
107	M95	X	-.694	-.694	0	%100
108	M95	Z	0	0	0	%100
109	M98	X	-.397	-.397	0	%100
110	M98	Z	0	0	0	%100
111	M99	X	-.397	-.397	0	%100
112	M99	Z	0	0	0	%100
113	M108	X	-.035	-.035	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	-.035	-.035	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	-.035	-.035	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	-.035	-.035	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-.4	-.4	0	%100
122	M112	Z	0	0	0	%100
123	M113	X	-.4	-.4	0	%100
124	M113	Z	0	0	0	%100
125	M114	X	-.057	-.057	0	%100
126	M114	Z	0	0	0	%100
127	M115	X	-.057	-.057	0	%100
128	M115	Z	0	0	0	%100
129	M116	X	-.104	-.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
130	M116	Z	0	0	0	%100
131	M117	X	-.104	-.104	0	%100
132	M117	Z	0	0	0	%100
133	M118	X	-.104	-.104	0	%100
134	M118	Z	0	0	0	%100
135	M119	X	-.104	-.104	0	%100
136	M119	Z	0	0	0	%100
137	M120	X	-.166	-.166	0	%100
138	M120	Z	0	0	0	%100
139	M121	X	-.166	-.166	0	%100
140	M121	Z	0	0	0	%100
141	M122	X	-.115	-.115	0	%100
142	M122	Z	0	0	0	%100
143	M123	X	-.115	-.115	0	%100
144	M123	Z	0	0	0	%100
145	MP4B	X	-.641	-.641	0	%100
146	MP4B	Z	0	0	0	%100
147	MP3B	X	-.641	-.641	0	%100
148	MP3B	Z	0	0	0	%100
149	MP2B	X	-.641	-.641	0	%100
150	MP2B	Z	0	0	0	%100
151	MP1B	X	-.641	-.641	0	%100
152	MP1B	Z	0	0	0	%100
153	M128	X	-.111	-.111	0	%100
154	M128	Z	0	0	0	%100
155	M129	X	-.111	-.111	0	%100
156	M129	Z	0	0	0	%100
157	M130	X	-.111	-.111	0	%100
158	M130	Z	0	0	0	%100
159	M131	X	-.111	-.111	0	%100
160	M131	Z	0	0	0	%100
161	M140	X	-.694	-.694	0	%100
162	M140	Z	0	0	0	%100
163	M138A	X	-.000871	-.000871	0	%100
164	M138A	Z	0	0	0	%100
165	M138B	X	-.155	-.155	0	%100
166	M138B	Z	0	0	0	%100
167	M138C	X	-.528	-.528	0	%100
168	M138C	Z	0	0	0	%100
169	M138D	X	-.413	-.413	0	%100
170	M138D	Z	0	0	0	%100
171	M138E	X	-.111	-.111	0	%100
172	M138E	Z	0	0	0	%100
173	M138F	X	-.38	-.38	0	%100
174	M138F	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.115	-.115	0	%100
2	M1	Z	-.066	-.066	0	%100
3	M2	X	-.115	-.115	0	%100
4	M2	Z	-.066	-.066	0	%100
5	M13	X	-.09	-.09	0	%100
6	M13	Z	-.052	-.052	0	%100
7	M14	X	-.09	-.09	0	%100
8	M14	Z	-.052	-.052	0	%100
9	M15	X	-.09	-.09	0	%100
10	M15	Z	-.052	-.052	0	%100
11	M16	X	-.09	-.09	0	%100
12	M16	Z	-.052	-.052	0	%100
13	M17	X	-.304	-.304	0	%100
14	M17	Z	-.176	-.176	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M18	X	-.304	-.304	0	%100
16	M18	Z	-.176	-.176	0	%100
17	M19	X	-.007	-.007	0	%100
18	M19	Z	-.004	-.004	0	%100
19	M20	X	-.007	-.007	0	%100
20	M20	Z	-.004	-.004	0	%100
21	M21	X	-.03	-.03	0	%100
22	M21	Z	-.017	-.017	0	%100
23	M22	X	-.03	-.03	0	%100
24	M22	Z	-.017	-.017	0	%100
25	M23	X	-.03	-.03	0	%100
26	M23	Z	-.017	-.017	0	%100
27	M24	X	-.03	-.03	0	%100
28	M24	Z	-.017	-.017	0	%100
29	M25	X	-.137	-.137	0	%100
30	M25	Z	-.079	-.079	0	%100
31	M26	X	-.137	-.137	0	%100
32	M26	Z	-.079	-.079	0	%100
33	M27	X	-.094	-.094	0	%100
34	M27	Z	-.054	-.054	0	%100
35	M28	X	-.094	-.094	0	%100
36	M28	Z	-.054	-.054	0	%100
37	MP4A	X	-.555	-.555	0	%100
38	MP4A	Z	-.32	-.32	0	%100
39	MP3A	X	-.555	-.555	0	%100
40	MP3A	Z	-.32	-.32	0	%100
41	MP2A	X	-.555	-.555	0	%100
42	MP2A	Z	-.32	-.32	0	%100
43	MP1A	X	-.555	-.555	0	%100
44	MP1A	Z	-.32	-.32	0	%100
45	M44	X	-.096	-.096	0	%100
46	M44	Z	-.056	-.056	0	%100
47	M45	X	-.096	-.096	0	%100
48	M45	Z	-.056	-.056	0	%100
49	M46	X	-.096	-.096	0	%100
50	M46	Z	-.056	-.056	0	%100
51	M47	X	-.096	-.096	0	%100
52	M47	Z	-.056	-.056	0	%100
53	M45A	X	-.601	-.601	0	%100
54	M45A	Z	-.347	-.347	0	%100
55	M53	X	-.115	-.115	0	%100
56	M53	Z	-.066	-.066	0	%100
57	M54	X	-.115	-.115	0	%100
58	M54	Z	-.066	-.066	0	%100
59	M63	X	-.09	-.09	0	%100
60	M63	Z	-.052	-.052	0	%100
61	M64	X	-.09	-.09	0	%100
62	M64	Z	-.052	-.052	0	%100
63	M65	X	-.09	-.09	0	%100
64	M65	Z	-.052	-.052	0	%100
65	M66	X	-.09	-.09	0	%100
66	M66	Z	-.052	-.052	0	%100
67	M67	X	-.007	-.007	0	%100
68	M67	Z	-.004	-.004	0	%100
69	M68	X	-.007	-.007	0	%100
70	M68	Z	-.004	-.004	0	%100
71	M69	X	-.304	-.304	0	%100
72	M69	Z	-.176	-.176	0	%100
73	M70	X	-.304	-.304	0	%100
74	M70	Z	-.176	-.176	0	%100
75	M71	X	-.03	-.03	0	%100
76	M71	Z	-.017	-.017	0	%100
77	M72	X	-.03	-.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M72	Z	-.017	-.017	0	%100
79	M73	X	-.03	-.03	0	%100
80	M73	Z	-.017	-.017	0	%100
81	M74	X	-.03	-.03	0	%100
82	M74	Z	-.017	-.017	0	%100
83	M75	X	-.094	-.094	0	%100
84	M75	Z	-.054	-.054	0	%100
85	M76	X	-.094	-.094	0	%100
86	M76	Z	-.054	-.054	0	%100
87	M77	X	-.137	-.137	0	%100
88	M77	Z	-.079	-.079	0	%100
89	M78	X	-.137	-.137	0	%100
90	M78	Z	-.079	-.079	0	%100
91	MP4C	X	-.555	-.555	0	%100
92	MP4C	Z	-.32	-.32	0	%100
93	MP3C	X	-.555	-.555	0	%100
94	MP3C	Z	-.32	-.32	0	%100
95	MP2C	X	-.555	-.555	0	%100
96	MP2C	Z	-.32	-.32	0	%100
97	MP1C	X	-.555	-.555	0	%100
98	MP1C	Z	-.32	-.32	0	%100
99	M83	X	-.096	-.096	0	%100
100	M83	Z	-.056	-.056	0	%100
101	M84	X	-.096	-.096	0	%100
102	M84	Z	-.056	-.056	0	%100
103	M85	X	-.096	-.096	0	%100
104	M85	Z	-.056	-.056	0	%100
105	M86	X	-.096	-.096	0	%100
106	M86	Z	-.056	-.056	0	%100
107	M95	X	-.601	-.601	0	%100
108	M95	Z	-.347	-.347	0	%100
109	M98	X	-.458	-.458	0	%100
110	M98	Z	-.265	-.265	0	%100
111	M99	X	-.458	-.458	0	%100
112	M99	Z	-.265	-.265	0	%100
113	M108	X	0	0	0	%100
114	M108	Z	0	0	0	%100
115	M109	X	0	0	0	%100
116	M109	Z	0	0	0	%100
117	M110	X	0	0	0	%100
118	M110	Z	0	0	0	%100
119	M111	X	0	0	0	%100
120	M111	Z	0	0	0	%100
121	M112	X	-.219	-.219	0	%100
122	M112	Z	-.126	-.126	0	%100
123	M113	X	-.219	-.219	0	%100
124	M113	Z	-.126	-.126	0	%100
125	M114	X	-.219	-.219	0	%100
126	M114	Z	-.126	-.126	0	%100
127	M115	X	-.219	-.219	0	%100
128	M115	Z	-.126	-.126	0	%100
129	M116	X	-.121	-.121	0	%100
130	M116	Z	-.07	-.07	0	%100
131	M117	X	-.121	-.121	0	%100
132	M117	Z	-.07	-.07	0	%100
133	M118	X	-.121	-.121	0	%100
134	M118	Z	-.07	-.07	0	%100
135	M119	X	-.121	-.121	0	%100
136	M119	Z	-.07	-.07	0	%100
137	M120	X	-.125	-.125	0	%100
138	M120	Z	-.072	-.072	0	%100
139	M121	X	-.125	-.125	0	%100
140	M121	Z	-.072	-.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
141	M122	X	-.125	-.125	0	%100
142	M122	Z	-.072	-.072	0	%100
143	M123	X	-.125	-.125	0	%100
144	M123	Z	-.072	-.072	0	%100
145	MP4B	X	-.555	-.555	0	%100
146	MP4B	Z	-.32	-.32	0	%100
147	MP3B	X	-.555	-.555	0	%100
148	MP3B	Z	-.32	-.32	0	%100
149	MP2B	X	-.555	-.555	0	%100
150	MP2B	Z	-.32	-.32	0	%100
151	MP1B	X	-.555	-.555	0	%100
152	MP1B	Z	-.32	-.32	0	%100
153	M128	X	-.096	-.096	0	%100
154	M128	Z	-.056	-.056	0	%100
155	M129	X	-.096	-.096	0	%100
156	M129	Z	-.056	-.056	0	%100
157	M130	X	-.096	-.096	0	%100
158	M130	Z	-.056	-.056	0	%100
159	M131	X	-.096	-.096	0	%100
160	M131	Z	-.056	-.056	0	%100
161	M140	X	-.601	-.601	0	%100
162	M140	Z	-.347	-.347	0	%100
163	M138A	X	-.129	-.129	0	%100
164	M138A	Z	-.075	-.075	0	%100
165	M138B	X	-.363	-.363	0	%100
166	M138B	Z	-.209	-.209	0	%100
167	M138C	X	-.324	-.324	0	%100
168	M138C	Z	-.187	-.187	0	%100
169	M138D	X	-.458	-.458	0	%100
170	M138D	Z	-.264	-.264	0	%100
171	M138E	X	-.001	-.001	0	%100
172	M138E	Z	-.000775	-.000775	0	%100
173	M138F	X	-.101	-.101	0	%100
174	M138F	Z	-.058	-.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.198	-.198	0	%100
2	M1	Z	-.344	-.344	0	%100
3	M2	X	-.198	-.198	0	%100
4	M2	Z	-.344	-.344	0	%100
5	M13	X	-.017	-.017	0	%100
6	M13	Z	-.03	-.03	0	%100
7	M14	X	-.017	-.017	0	%100
8	M14	Z	-.03	-.03	0	%100
9	M15	X	-.017	-.017	0	%100
10	M15	Z	-.03	-.03	0	%100
11	M16	X	-.017	-.017	0	%100
12	M16	Z	-.03	-.03	0	%100
13	M17	X	-.2	-.2	0	%100
14	M17	Z	-.346	-.346	0	%100
15	M18	X	-.2	-.2	0	%100
16	M18	Z	-.346	-.346	0	%100
17	M19	X	-.028	-.028	0	%100
18	M19	Z	-.049	-.049	0	%100
19	M20	X	-.028	-.028	0	%100
20	M20	Z	-.049	-.049	0	%100
21	M21	X	-.052	-.052	0	%100
22	M21	Z	-.09	-.09	0	%100
23	M22	X	-.052	-.052	0	%100
24	M22	Z	-.09	-.09	0	%100
25	M23	X	-.052	-.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M23	Z	-.09	-.09	0	%100
27	M24	X	-.052	-.052	0	%100
28	M24	Z	-.09	-.09	0	%100
29	M25	X	-.083	-.083	0	%100
30	M25	Z	-.144	-.144	0	%100
31	M26	X	-.083	-.083	0	%100
32	M26	Z	-.144	-.144	0	%100
33	M27	X	-.058	-.058	0	%100
34	M27	Z	-.1	-.1	0	%100
35	M28	X	-.058	-.058	0	%100
36	M28	Z	-.1	-.1	0	%100
37	MP4A	X	-.32	-.32	0	%100
38	MP4A	Z	-.555	-.555	0	%100
39	MP3A	X	-.32	-.32	0	%100
40	MP3A	Z	-.555	-.555	0	%100
41	MP2A	X	-.32	-.32	0	%100
42	MP2A	Z	-.555	-.555	0	%100
43	MP1A	X	-.32	-.32	0	%100
44	MP1A	Z	-.555	-.555	0	%100
45	M44	X	-.056	-.056	0	%100
46	M44	Z	-.096	-.096	0	%100
47	M45	X	-.056	-.056	0	%100
48	M45	Z	-.096	-.096	0	%100
49	M46	X	-.056	-.056	0	%100
50	M46	Z	-.096	-.096	0	%100
51	M47	X	-.056	-.056	0	%100
52	M47	Z	-.096	-.096	0	%100
53	M45A	X	-.347	-.347	0	%100
54	M45A	Z	-.601	-.601	0	%100
55	M53	X	0	0	0	%100
56	M53	Z	0	0	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M63	X	-.07	-.07	0	%100
60	M63	Z	-.121	-.121	0	%100
61	M64	X	-.07	-.07	0	%100
62	M64	Z	-.121	-.121	0	%100
63	M65	X	-.07	-.07	0	%100
64	M65	Z	-.121	-.121	0	%100
65	M66	X	-.07	-.07	0	%100
66	M66	Z	-.121	-.121	0	%100
67	M67	X	-.078	-.078	0	%100
68	M67	Z	-.134	-.134	0	%100
69	M68	X	-.078	-.078	0	%100
70	M68	Z	-.134	-.134	0	%100
71	M69	X	-.078	-.078	0	%100
72	M69	Z	-.134	-.134	0	%100
73	M70	X	-.078	-.078	0	%100
74	M70	Z	-.134	-.134	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M73	X	0	0	0	%100
80	M73	Z	0	0	0	%100
81	M74	X	0	0	0	%100
82	M74	Z	0	0	0	%100
83	M75	X	-.065	-.065	0	%100
84	M75	Z	-.112	-.112	0	%100
85	M76	X	-.065	-.065	0	%100
86	M76	Z	-.112	-.112	0	%100
87	M77	X	-.065	-.065	0	%100
88	M77	Z	-.112	-.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	M78	X	-.065	-.065	0	%100
90	M78	Z	-.112	-.112	0	%100
91	MP4C	X	-.32	-.32	0	%100
92	MP4C	Z	-.555	-.555	0	%100
93	MP3C	X	-.32	-.32	0	%100
94	MP3C	Z	-.555	-.555	0	%100
95	MP2C	X	-.32	-.32	0	%100
96	MP2C	Z	-.555	-.555	0	%100
97	MP1C	X	-.32	-.32	0	%100
98	MP1C	Z	-.555	-.555	0	%100
99	M83	X	-.056	-.056	0	%100
100	M83	Z	-.096	-.096	0	%100
101	M84	X	-.056	-.056	0	%100
102	M84	Z	-.096	-.096	0	%100
103	M85	X	-.056	-.056	0	%100
104	M85	Z	-.096	-.096	0	%100
105	M86	X	-.056	-.056	0	%100
106	M86	Z	-.096	-.096	0	%100
107	M95	X	-.347	-.347	0	%100
108	M95	Z	-.601	-.601	0	%100
109	M98	X	-.198	-.198	0	%100
110	M98	Z	-.344	-.344	0	%100
111	M99	X	-.198	-.198	0	%100
112	M99	Z	-.344	-.344	0	%100
113	M108	X	-.017	-.017	0	%100
114	M108	Z	-.03	-.03	0	%100
115	M109	X	-.017	-.017	0	%100
116	M109	Z	-.03	-.03	0	%100
117	M110	X	-.017	-.017	0	%100
118	M110	Z	-.03	-.03	0	%100
119	M111	X	-.017	-.017	0	%100
120	M111	Z	-.03	-.03	0	%100
121	M112	X	-.028	-.028	0	%100
122	M112	Z	-.049	-.049	0	%100
123	M113	X	-.028	-.028	0	%100
124	M113	Z	-.049	-.049	0	%100
125	M114	X	-.2	-.2	0	%100
126	M114	Z	-.346	-.346	0	%100
127	M115	X	-.2	-.2	0	%100
128	M115	Z	-.346	-.346	0	%100
129	M116	X	-.052	-.052	0	%100
130	M116	Z	-.09	-.09	0	%100
131	M117	X	-.052	-.052	0	%100
132	M117	Z	-.09	-.09	0	%100
133	M118	X	-.052	-.052	0	%100
134	M118	Z	-.09	-.09	0	%100
135	M119	X	-.052	-.052	0	%100
136	M119	Z	-.09	-.09	0	%100
137	M120	X	-.058	-.058	0	%100
138	M120	Z	-.1	-.1	0	%100
139	M121	X	-.058	-.058	0	%100
140	M121	Z	-.1	-.1	0	%100
141	M122	X	-.083	-.083	0	%100
142	M122	Z	-.144	-.144	0	%100
143	M123	X	-.083	-.083	0	%100
144	M123	Z	-.144	-.144	0	%100
145	MP4B	X	-.32	-.32	0	%100
146	MP4B	Z	-.555	-.555	0	%100
147	MP3B	X	-.32	-.32	0	%100
148	MP3B	Z	-.555	-.555	0	%100
149	MP2B	X	-.32	-.32	0	%100
150	MP2B	Z	-.555	-.555	0	%100
151	MP1B	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,F...	Start Location[ft,%]	End Location[ft,%]
152	MP1B	Z	-.555	-.555	0	%100
153	M128	X	-.056	-.056	0	%100
154	M128	Z	-.096	-.096	0	%100
155	M129	X	-.056	-.056	0	%100
156	M129	Z	-.096	-.096	0	%100
157	M130	X	-.056	-.056	0	%100
158	M130	Z	-.096	-.096	0	%100
159	M131	X	-.056	-.056	0	%100
160	M131	Z	-.096	-.096	0	%100
161	M140	X	-.347	-.347	0	%100
162	M140	Z	-.601	-.601	0	%100
163	M138A	X	-.207	-.207	0	%100
164	M138A	Z	-.358	-.358	0	%100
165	M138B	X	-.264	-.264	0	%100
166	M138B	Z	-.457	-.457	0	%100
167	M138C	X	-.055	-.055	0	%100
168	M138C	Z	-.096	-.096	0	%100
169	M138D	X	-.19	-.19	0	%100
170	M138D	Z	-.329	-.329	0	%100
171	M138E	X	-.078	-.078	0	%100
172	M138E	Z	-.135	-.135	0	%100
173	M138F	X	-.000435	-.000435	0	%100
174	M138F	Z	-.000754	-.000754	0	%100

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 Deg)	None					111			
32	Antenna Wm (150 Deg)	None					111			
33	Antenna Wm (180 Deg)	None					111			
34	Antenna Wm (210 Deg)	None					111			
35	Antenna Wm (240 Deg)	None					111			

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
36	Antenna Wm (270 Deg)	None					111			
37	Antenna Wm (300 Deg)	None					111			
38	Antenna Wm (330 Deg)	None					111			
39	Structure D	None		-1						
40	Structure Di	None						87		
41	Structure Wo (0 Deg)	None						174		
42	Structure Wo (30 Deg)	None						174		
43	Structure Wo (60 Deg)	None						174		
44	Structure Wo (90 Deg)	None						174		
45	Structure Wo (120 Deg)	None						174		
46	Structure Wo (150 Deg)	None						174		
47	Structure Wo (180 Deg)	None						174		
48	Structure Wo (210 Deg)	None						174		
49	Structure Wo (240 Deg)	None						174		
50	Structure Wo (270 Deg)	None						174		
51	Structure Wo (300 Deg)	None						174		
52	Structure Wo (330 Deg)	None						174		
53	Structure Wi (0 Deg)	None						174		
54	Structure Wi (30 Deg)	None						174		
55	Structure Wi (60 Deg)	None						174		
56	Structure Wi (90 Deg)	None						174		
57	Structure Wi (120 Deg)	None						174		
58	Structure Wi (150 Deg)	None						174		
59	Structure Wi (180 Deg)	None						174		
60	Structure Wi (210 Deg)	None						174		
61	Structure Wi (240 Deg)	None						174		
62	Structure Wi (270 Deg)	None						174		
63	Structure Wi (300 Deg)	None						174		
64	Structure Wi (330 Deg)	None						174		
65	Structure Wm (0 Deg)	None						174		
66	Structure Wm (30 Deg)	None						174		
67	Structure Wm (60 Deg)	None						174		
68	Structure Wm (90 Deg)	None						174		
69	Structure Wm (120 Deg)	None						174		
70	Structure Wm (150 Deg)	None						174		
71	Structure Wm (180 Deg)	None						174		
72	Structure Wm (210 Deg)	None						174		
73	Structure Wm (240 Deg)	None						174		
74	Structure Wm (270 Deg)	None						174		
75	Structure Wm (300 Deg)	None						174		
76	Structure Wm (330 Deg)	None						174		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Description	So...	PDelta	S...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								

Load Combinations (Continued)

	Description	So...	PDelta	S...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...	B...	Fac...
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1....	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	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

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	N68	max	1219.352	9	980.565	23	1541.164	11	1.13	11	0	51	2.541	5
2		min	-1473.139	3	-18.637	5	-3140.249	5	-3.047	5	0	1	-1.417	11
3	N70	max	420.366	11	1476.989	17	2158.757	14	.111	12	0	51	.309	29
4		min	-364.433	5	188.587	11	397.23	8	-.955	18	0	1	-.238	50
5	N140	max	1687.271	22	1337.609	15	-182.104	2	.649	14	0	51	.714	3
6		min	456.321	5	116.411	9	-1041.526	20	-.066	8	0	1	-.235	9
7	N209	max	-217.477	9	1386.754	24	-85.037	1	.502	1	0	51	.143	5

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
8		min	-1875.186	15	114.582	6	-930.5	19	-.316	7	0	1	-.865	23
9	N70A	max	1563.394	9	982.213	20	2092.209	2	2.772	2	0	51	2.031	3
10		min	-2533.703	3	85.844	3	-1356.008	8	-1.006	8	0	1	-1.305	9
11	N71	max	2689.457	11	946.381	18	2569.733	2	3.614	3	0	51	1.194	5
12		min	-1418.447	5	-28.526	12	-1835.585	8	-3.372	9	0	1	-3.115	11
13	Totals:	max	5465.09	10	6541.09	18	5530.706	1						
14		min	-5465.088	4	2959.017	12	-5530.701	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [l...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M46	SR_0.5	.672	1.632	5	.010	0		9	864.46	6350.4	.052	.052	1....	H1-1a
2	M129	SR_0.5	.670	1.632	1	.009	0		3	864.46	6350.4	.052	.052	1	H1-1a
3	M99	PIPE_2.0	.663	3.776	1	.249	3.646		8	6295.422	32130	1.872	1.872	2....	H1-1b
4	M116	PL5/8X3.5	.606	.531	2	.184	.531	y	1	69484.7...	70875	.923	5.168	1.3	H1-1b
5	M85	SR_0.5	.592	1.632	2	.008	0		5	864.46	6350.4	.052	.052	1....	H1-1a
6	M22	PL5/8X3.5	.582	.531	4	.138	.443	y	4	69484.7...	70875	.923	5.168	1....	H1-1b
7	M130	SR_0.5	.564	1.632	11	.005	0		3	864.46	6350.4	.052	.052	1....	H1-1a
8	M2	PIPE_2.0	.543	8.724	5	.256	9.245		9	6295.422	32130	1.872	1.872	2....	H1-1b
9	M112	PIPE_2.0	.493	2.501	8	.091	0		2	31128.25	32130	1.872	1.872	1....	H1-1b
10	M20	PIPE_2.0	.492	2.501	4	.124	0		10	31128.25	32130	1.872	1.872	1....	H1-1b
11	M119	PL5/8X3.5	.479	.531	14	.088	0	y	2	69484.7...	70875	.923	5.168	1....	H1-1b
12	M45	SR_0.5	.457	1.528	18	.007	0		9	864.46	6350.4	.052	.052	1....	H1-1a
13	M84	SR_0.5	.453	1.632	3	.008	0		5	864.46	6350.4	.052	.052	1....	H1-1a
14	M24	PL5/8X3.5	.447	.531	15	.051	0	y	20	69484.7...	70875	.923	5.168	1....	H1-1b
15	M74	PL5/8X3.5	.387	.531	17	.137	0	y	24	69484.7...	70875	.923	5.168	1....	H1-1b
16	M23	PL5/8X3.5	.381	.531	40	.059	0	y	5	69484.7...	70875	.923	5.168	1....	H1-1b
17	M72	PL5/8X3.5	.379	.531	1	.174	.443	y	24	69484.7...	70875	.923	5.168	1....	H1-1b
18	M45A	PIPE_4.0	.375	2.938	5	.140	2.938		5	83096.8...	93240	10.631	10.631	4....	H1-1b
19	M54	PIPE_2.0	.374	8.724	1	.208	9.245		5	6295.422	32130	1.872	1.872	2....	H1-1b
20	M115	PIPE_2.0	.354	2.501	9	.059	0		8	31128.25	32130	1.872	1.872	1....	H1-1b
21	M140	PIPE_4.0	.330	2.938	1	.165	2.938		3	83096.8...	93240	10.631	10.631	3....	H1-1b
22	M70	PIPE_2.0	.319	2.501	6	.103	0		19	31128.25	32130	1.872	1.872	2....	H1-1b
23	M73	PL5/8X3.5	.313	.531	13	.072	0	y	12	69484.7...	70875	.923	5.168	1....	H1-1b
24	M98	PIPE_2.0	.310	4.297	1	.119	8.333		7	6295.422	32130	1.872	1.872	2....	H1-1b
25	M95	PIPE_4.0	.306	2.938	2	.111	2.938		4	83096.8...	93240	10.631	10.631	2....	H1-1b
26	M117	PL5/8X3.5	.302	.531	10	.053	.531	y	3	69484.7...	70875	.923	5.168	1....	H1-1b
27	M65	PL5/8X3.5	.284	.422	15	.051	0	y	3	67997.4...	70875	.923	5.168	1....	H1-1b
28	M71	PL5/8X3.5	.275	.531	10	.053	.531	y	5	69484.7...	70875	.923	5.168	1....	H1-1b
29	M67	PIPE_2.0	.274	2.501	11	.045	0		7	31128.25	32130	1.872	1.872	1....	H1-1b
30	M118	PL5/8X3.5	.263	.531	21	.079	.531	y	1	69484.7...	70875	.923	5.168	1....	H1-1b
31	M53	PIPE_2.0	.256	8.724	2	.091	8.333		5	6295.422	32130	1.872	1.872	2....	H1-1b
32	M16	PL5/8X3.5	.254	.422	4	.417	.422	y	4	67997.4...	70875	.923	5.168	1....	H1-1b
33	M1	PIPE_2.0	.247	8.724	6	.151	8.724		31	6295.422	32130	1.872	1.872	2....	H1-1b
34	M17	PIPE_2.0	.242	2.501	3	.044	0		11	31128.25	32130	1.872	1.872	1....	H1-1b
35	M66	PL5/8X3.5	.231	.422	19	.076	.422	y	2	67997.4...	70875	.923	5.168	1....	H1-1b
36	M114	PIPE_2.0	.228	2.501	3	.082	0		23	31128.25	32130	1.872	1.872	2....	H1-1b
37	M110	PL5/8X3.5	.223	.422	23	.142	0	y	11	67997.4...	70875	.923	5.168	1....	H1-1b
38	M108	PL5/8X3.5	.221	.422	2	.083	.422	y	1	67997.4...	70875	.923	5.168	1....	H1-1b
39	M109	PL5/8X3.5	.193	.422	14	.044	.422	y	12	67997.4...	70875	.923	5.168	1....	H1-1b
40	MP2C	PIPE_2.5	.190	2.25	11	.092	4.083		5	30038.4...	50715	3.596	3.596	2....	H1-1b
41	M111	PL5/8X3.5	.187	.422	8	.201	.422	y	20	67997.4...	70875	.923	5.168	1....	H1-1b
42	M15	PL5/8X3.5	.187	0	33	.095	0	y	1	67997.4...	70875	.923	5.168	1....	H1-1b
43	MP2A	PIPE_2.5	.185	2.25	5	.109	4.083		9	30038.4...	50715	3.596	3.596	2....	H1-1b
44	M113	PIPE_2.0	.184	2.501	2	.100	0		13	31128.25	32130	1.872	1.872	2....	H1-1b
45	M63	PL5/8X3.5	.182	0	11	.113	.422	y	5	67997.4...	70875	.923	5.168	1....	H1-1b
46	M21	PL5/8X3.5	.177	.531	8	.034	.531	y	21	69484.7...	70875	.923	5.168	1....	H1-1b
47	M19	PIPE_2.0	.168	2.501	11	.088	0		17	31128.25	32130	1.872	1.872	1....	H1-1b
48	MP2B	PIPE_2.5	.167	2.25	12	.082	4.083		1	30038.4...	50715	3.596	3.596	1....	H1-1b
49	M18	PIPE_2.0	.153	2.501	4	.072	0		40	31128.25	32130	1.872	1.872	1....	H1-1b
50	MP4A	PIPE_2.5	.150	5.583	50	.033	2.25		5	30038.4...	50715	3.596	3.596	4....	H1-1b
51	MP3B	PIPE_2.5	.146	2.25	1	.096	2.25		3	30038.4...	50715	3.596	3.596	3.1	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [..	phi*Pnt [l...	phi*Mn y...	phi*Mn z...	Cb	Eqn
52	M14	PL5/8X3.5	.145	0	39	.063	0	y	1	67997.4...	70875	.923	5.168	1....	H1-1b
53	M128	SR_0.5	.145	0	7	.003	0		22	864.46	6350.4	.052	.052	1	H1-1b*
54	M64	PL5/8X3.5	.131	.422	15	.051	0	y	3	67997.4...	70875	.923	5.168	1....	H1-1b
55	M131	SR_0.5	.127	0	6	.011	0		3	864.46	6350.4	.052	.052	1....	H1-1b*
56	M69	PIPE_2.0	.124	2.501	2	.144	0		15	31128.25	32130	1.872	1.872	2....	H1-1b
57	M138F	PIPE_2.0	.116	7.331	3	.024	0		2	16869.0...	32130	1.872	1.872	1....	H1-1b*
58	MP3A	PIPE_2.5	.114	2.25	9	.058	2.25		11	30038.4...	50715	3.596	3.596	3....	H1-1b
59	MP3C	PIPE_2.5	.113	2.25	5	.063	2.25		6	30038.4...	50715	3.596	3.596	2....	H1-1b
60	M47	SR_0.5	.111	0	1	.009	0		9	864.46	6350.4	.052	.052	1	H1-1b*
61	M13	PL5/8X3.5	.110	0	50	.053	.378	y	7	67997.4...	70875	.923	5.168	1....	H1-1b
62	M138C	PIPE_2.0	.107	6.235	3	.032	6.235		9	20159.3...	32130	1.872	1.872	1....	H1-1b*
63	M68	PIPE_2.0	.106	2.501	11	.058	0		16	31128.25	32130	1.872	1.872	1....	H1-1b
64	M86	SR_0.5	.101	1.667	8	.008	0		5	864.46	6350.4	.052	.052	1....	H1-1b
65	MP1A	PIPE_2.5	.094	2.25	16	.030	2.25		4	30038.4...	50715	3.596	3.596	4....	H1-1b
66	MP1B	PIPE_2.5	.093	5.583	14	.053	3.083		1	30038.4...	50715	3.596	3.596	3....	H1-1b
67	MP1C	PIPE_2.5	.092	5.583	23	.030	4.417		8	30038.4...	50715	3.596	3.596	3....	H1-1b
68	M83	SR_0.5	.083	1.667	10	.014	0		5	864.46	6350.4	.052	.052	1....	H1-1b
69	M138B	PIPE_2.0	.078	6.235	11	.033	0		6	20159.3...	32130	1.872	1.872	1....	H1-1b*
70	M44	SR_0.5	.073	1.667	11	.016	0		9	864.46	6350.4	.052	.052	1....	H1-1b
71	MP4C	PIPE_2.5	.065	2.25	18	.025	5.583		1	30038.4...	50715	3.596	3.596	3....	H1-1b
72	MP4B	PIPE_2.5	.064	5.583	13	.026	2.25		3	30038.4...	50715	3.596	3.596	3....	H1-1b
73	M138A	PIPE_2.0	.061	3.665	7	.035	7.331		5	16869.0...	32130	1.872	1.872	1....	H1-1b
74	M138D	PIPE_2.0	.059	3.993	11	.033	7.985		11	14958.9...	32130	1.872	1.872	1....	H1-1b
75	M28	SR_0.75	.055	4.167	32	.006	4.167		50	2950.23	14320.8	.184	.184	1....	H1-1b*
76	M123	SR_0.75	.054	4.167	16	.016	4.167		7	2950.23	14320.8	.184	.184	1....	H1-1b*
77	M78	SR_0.75	.053	4.167	19	.011	0		21	2950.23	14320.8	.184	.184	1....	H1-1b*
78	M26	SR_0.75	.044	0	39	.018	4.167		6	2950.23	14320.8	.184	.184	1....	H1-1b*
79	M138E	PIPE_2.0	.044	3.279	7	.034	0		1	19186.0...	32130	1.872	1.872	1....	H1-1b
80	M121	SR_0.75	.032	0	21	.010	0		10	2950.23	14320.8	.184	.184	1....	H1-1b*
81	M76	SR_0.75	.031	0	22	.015	0		2	2950.23	14320.8	.184	.184	1....	H1-1b*
82	M25	SR_0.75	.000	0	51	.031	4.167		5	2950.23	14320.8	.184	.184	1....	H1-1a
83	M27	SR_0.75	.000	0	51	.026	4.167		9	2950.23	14320.8	.184	.184	1....	H1-1a
84	M75	SR_0.75	.000	0	51	.019	0		1	2950.23	14320.8	.184	.184	1....	H1-1a
85	M77	SR_0.75	.000	0	51	.024	4.167		16	2950.23	14320.8	.184	.184	1....	H1-1a
86	M120	SR_0.75	.000	0	51	.018	0		10	2950.23	14320.8	.184	.184	1....	H1-1a
87	M122	SR_0.75	.000	0	51	.029	0		2	2950.23	14320.8	.184	.184	1....	H1-1a

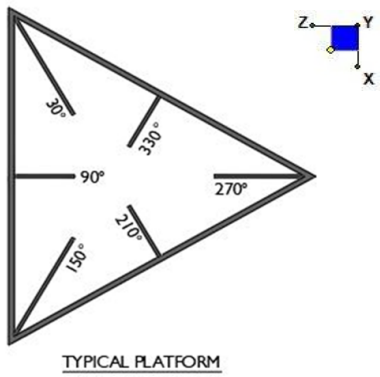
Client:	VERIZON WIRELESS	Date:	8/10/2021
Site Name:	Montville 4 CT		
Project No.	21777019A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

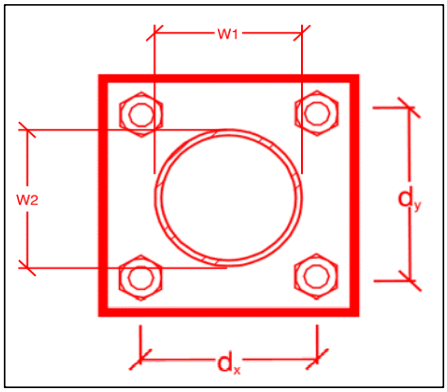
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N68	90
N70	90
N71	330
N209	330
N70A	210
N140	210



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	10
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	3
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	5.3
Required Shear Strength (kips):	6.5
Tensile Strength / bolt (kips):	10.0
Shear Strength / bolt (kips):	6.0
Tensile Capacity Overall:	**13.2%***
Shear Capacity Overall:	**27.1%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting Connecticut 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:

Any special photos outside of the standard requirements will be indicated on the passing MA Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.

Each photo should be time and date stamped

Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.

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.

The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

Base and "During Installation Photos"

- Base pictures include
  - Photo of Gate Signs showing the tower owner, site name, and number
  - Photo of carrier shelter showing the carrier site name and number if available
  - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
- "During Installation Photos if provided - must be placed only in this folder

Photos taken at ground level

- Overall tower structure before and after installation of the equipment modifications
- Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

Photos taken at Mount Elevation

- Photos showing each individual sector before and also after installation of equipment.

These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install proposed OVP unit directly to the center of the upper left standoff horizontal on the Alpha Sector. Contractor shall reinforce existing mount to tower connections with new Site Pro 1 R5-REINF kits on all sectors. Contractor shall install safety climb wire rope guide (Part #: Site Pro 1 - 120-203/317 or EOR approved equal) in locations where the wire rope is rubbing against mount to tower attachments. Contractor shall provide photos of safety climb wire rope guide installation.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 468972-VZW - Montville 4

Sector: **A**
Structure Type: Guyed
Mount Elev: 168.00

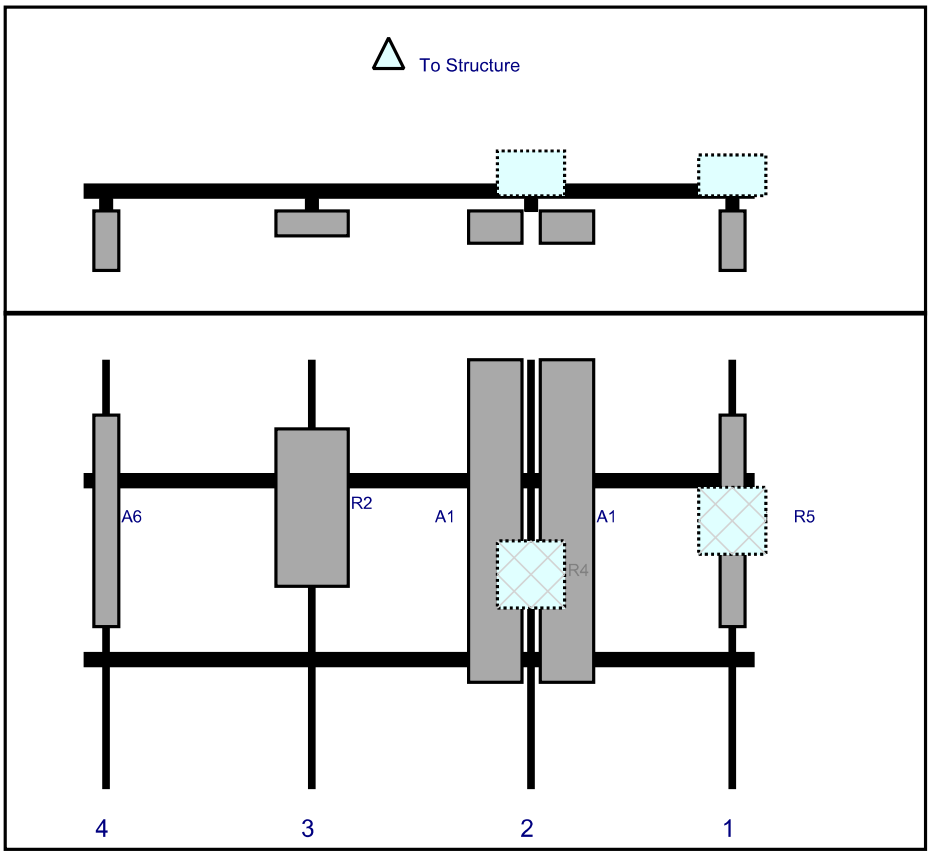
10037938

8/9/2021
Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

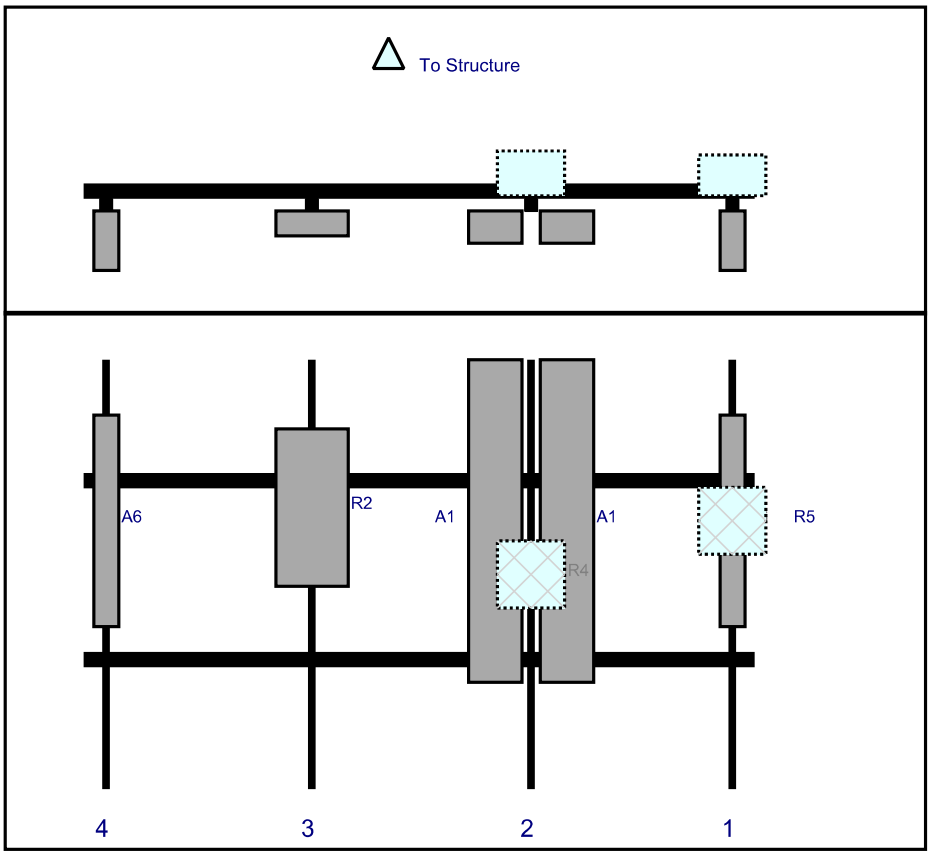
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080/4CF	47.2	5.5	145	1	a	Front	36	0	Retained	02/25/2021
R5	RF4440d-13A	15	15	145	1	a	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	100	2	a	Front	36	8	Added	
A1	NHH-65B-R2B	72	11.9	100	2	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R2	MT6407-77A	35.1	16.1	51	3	a	Front	33	0	Added	
A6	LPA-80080/4CF	47.2	5.5	5	4	a	Front	36	0	Retained	02/25/2021

Plan View

Front View
Looking at Structure



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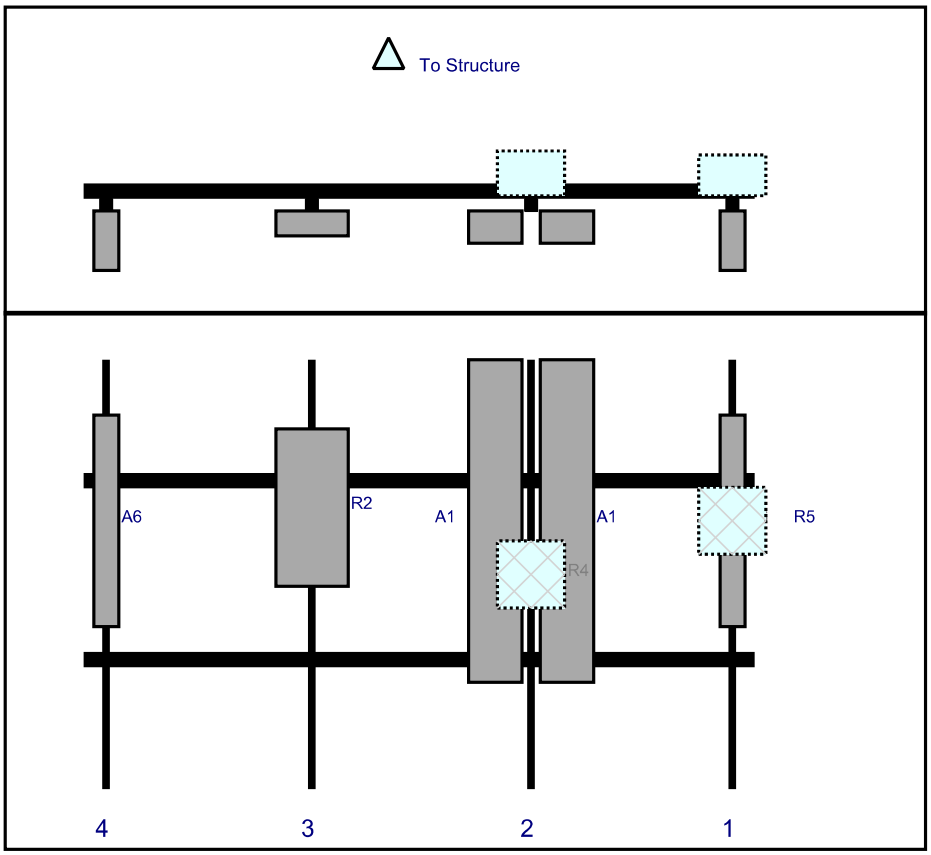
A6	LPA-80080/4CF	47.2	5.5	5	4	a	Front	36	0	Retained	02/25/2021

Plan View

Front View
Looking at Structure



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A1	NHH-65B-R2B	72	11.9	100	2	b	Front	36	-8	Added	
R4	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	

Maser Consulting Connecticut

Site Information	Site ID:	468972-VZW / Montville 4 CT
	Site Name:	Montville 4 CT
	Carrier Name:	Verizon Wireless
	Address:	57 Cook Dr. Montville, Connecticut 06353 New London County
	Latitude:	41.474986°
	Longitude:	-72.105050°
Structure Information	Tower Type:	Guyed
	Mount Type:	12.50-Ft Sector Frame

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu, PE
Technical Manager

ATTACHMENT 5

Layers

033-00A

011-000

006-000

Cook Dr

P T A

011-001

006-00A

091-000

003-000

002-000

008-000

095-000

010-000

096-000

013-000

009-000

030-000

Church Ln

Parcel #: 040-013-000

57 COOK DR

Documents & Links | Assessment | BuildingData

005-000

001-001

Fort Hill Dr

001-002

015-000

001-000

002-000

CAI AxisGIS

Property Card: **57 COOK DR**

Town of Montville, CT

Parcel Information

Location:	57 COOK DR	Property Use:	Residential	Primary Use:	Residential
Unique ID:	K0555700	Map Block Lot:	040-013-000	Acres:	45.3
		Zone:	C-3	Volume / Page:	0546/0511
		Sale Date:	03/04/2010	Sale Price:	$0

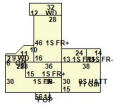
Value Information

	Appraised Value	Assessed Value
Land	164880	49760
Buildings	306943	214860
Detached Outbuildings	696814	487770
Total	1168637	752390

Owner's Information

Owner's Data
KINGSBOROUGH ROBERT W & KAREN A 57 COOK RD UNCASVILLE, CT 06382

Building 1



Category:	Residential	Siding:	Vinyl Siding	Total Rooms:	9
Stories:	1.00	Fuel:	Oil	Beds/Units:	5
GLA:	3462	Heating:	Hot Water	Baths:	3
Year Built:	1989	Fireplace:	1		
Class:	B	Cooling Percent:	None	Half Baths:	0
Use:	Single Family	Floors:	Carpet	Basement Garage:	0
Construction Style:	Ranch	Roof Material:	Asphalt	Finished Basement:	0

ATTACHMENT 6

MONTVILLE 4

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3	neopost 10/25/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Ronald K. McDaniel, Mayor Town of Montville 310 Norwich-New London Turnpike Uncasville, CT 06382				
2.	Liz Burdick, Town Planner Town of Montville 310 Norwich-New London Turnpike Uncasville, CT 06382				
3.	Robert and Karen Kingsborough 57 Cook Road Uncasville, CT 06382				
4.					
5.					
6.					

OLD STATE HOUSE STATION
OCT 25 2021
USPS

PS Form **3665**, January 2017 (Page 1 of 1) PSN 7530-17-000-5549

See Reverse for Instructions