Robinson+Cole

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Also admitted in Massachusetts
and New York

February 3, 2022

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**
3965 Congress Street, Fairfield, 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 a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Fairfield in May of 1994. Cellco's shared use of the tower was approved by the Siting Council ("Council") in May of 2004 (EM-VER-051-040427). A copy of the Town's approval and Council's EM-VER-051-040427 approval are included in Attachment 1.

Cellco now intends to modify its facility by installing (3) new Samsung MT6407-77A antennas on its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and the specifications for Cellco's new antennas 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 Fairfield's Chief Elected Official and Land Use Officer. The Town of Fairfield is the owner of the Property.

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

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

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 platform and mounts, with certain modifications, 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 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:
Brenda Kupchick, Fairfield First Selectwoman
James Wendt, Planning Director
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

Return

Town of Fairfield

Town Planning and Zoning Department

Zonning Compliance Permit

Hse Num: 3965 **Street:** Congress Street **Map:** 170 **Parcel:** 41 - **Unit:** 0000 **Permit #** 23333

Zone: AAA **FIRM:** **Date:** 05/25/1994 **Occupancy/Use:** per plans **Receipt #** 0

State Fee: $30.00

Description: 10' x 30' equipment shelter + 150' antenna Town Fee: $50.00

Total: $80.00

Applicant: Fairfield Town Of

Print Date: 07/16/2019

Return

Town of Fairfield

Town Planning and Zoning Department

Zonning Compliance Permit

Hse Num: 3965 Street: Congress Street Map: 170 Parcel: 41 - ___ Unit: 0000 Permit # 26289

Zone: AAA FIRM: _____ Date: 05/27/1998 Occupancy/Use: per plans Receipt # 0

State Fee: $30.00

Description: 9 1/2' x 11' concrete equipment pad & 9 new antennas on exist pole Town Fee: $50.00

Applicant: Town of Fairfield Total: $80.00

Print Date: 07/16/2019

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
www.ct.gov/csc

May 21, 2004

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

RE: **EM-VER-051-040427** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 3965 Congress Street, Fairfield, Connecticut

Dear Attorney Baldwin:

At a public meeting held on May 19, 2004, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the condition that the recommendations on pages three and four of the structural analysis report sealed by Jim Walker, P.E. be implemented prior to the antenna installation.

The proposed modifications are to be implemented as specified here and in your notice dated April 27, 2004. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: Honorable Kenneth A. Flatto, First Selectman, Town of Fairfield
Joseph E. Devonshuk, Town Planner, Town of Fairfield
Thomas F. Flynn III, Nextel Communications, Inc.
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Michele G. Briggs, Southwestern Bell Mobile Systems, LLC
Stephen J. Humes, Esq., LeBoeuf Lamb Greene & MacRae LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP

ATTACHMENT 2

FAIRFIELD_2_CT

3965 CONGRESS STREET
FAIRFIELD, CT 06824

LOCATION CODE (PSLC): 467147
FUZE ID: 16244167
EQUIPMENT UPGRADE PROJECT
RFDS DATE: 10/7/21

PROJECT SUMMARY

SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION
SITE NAME:	FAIRFIELD_2_CT
LOCATION CODE (PSLC):	467147
FUZE PROJECT ID:	16244167
SITE ADDRESS:	3965 CONGRESS STREET FAIRFIELD, CT 06824
LATITUDE:	41.188375 N (RFDS)
LONGITUDE:	-73.29905833 W (RFDS)
FACILITY:	FAIRFIELD - FIRE STATION 5 MONOPOLE
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	1
A-1	COMPOUND PLAN & ELEVATION	1
A-2	EXISTING AND PROPOSED ANTENNA PLAN	1
X-1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)	1

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 DESIGN GROUP, LLC AND EFI GLOBAL, INC DATED 11/29/21.

LOCAL ANTENNA MOUNT ANALYSIS REPORT:

PASSING REPORT - HARDWARE UPGRADE REQUIRED BY MASER CONSULTING DATED 10/18/21.

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

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

SMART TOOL VENDOR PROJECT NUMBER: 10109181

VzW LOCATION CODE (PSLC): 467147

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 10/18/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): **YES**

- HARDWARE PIPE MOUNT RELOCATION/UPGRADE REQUIRED & MOUNT VERIFICATION MAPPING AS SHOWN IN PMI
- ADDITIONAL REQUIREMENTS NOTED ON SHEET A-2

Jesse Moreno, PE
Digitally signed by Jesse Moreno, PE
Date: 2021.11.30 18:19:26 -05'00'

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

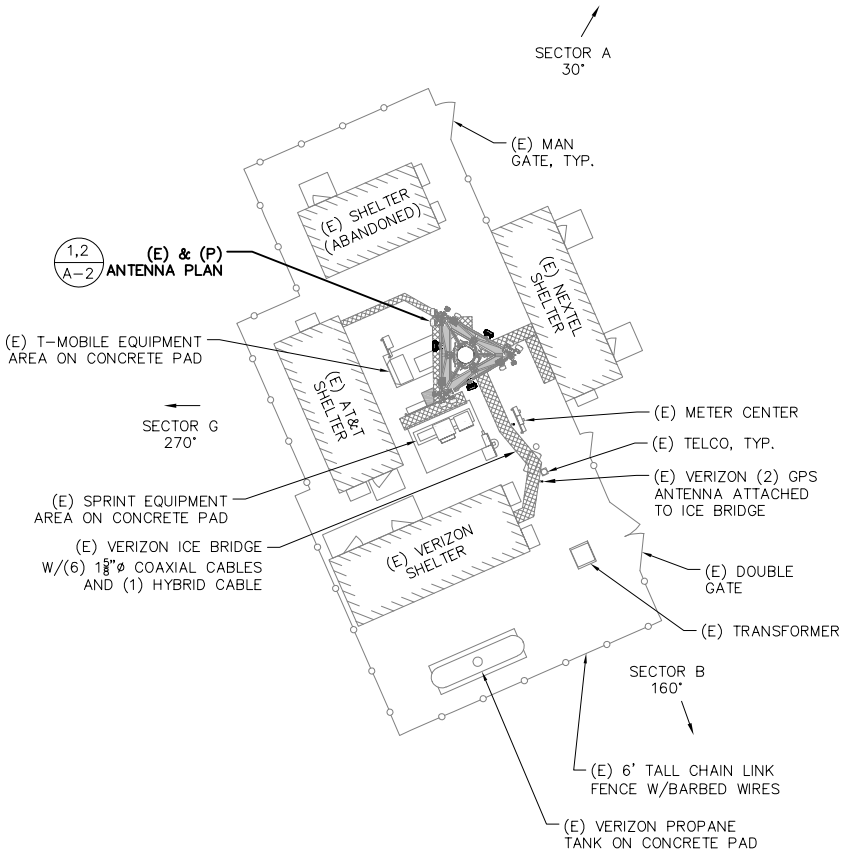
REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	09/14/21	PER RFDS DATED 08/11/21	TBD	JWG	JMM
1	11/30/21	PER RFDS DATED 10/7/21	TBD	JWG	JMM

STATE OF CONNECTICUT
JESSE M. MORENO
No. 24388
LICENSED PROFESSIONAL ENGINEER
11-30-2021

FAIRFIELD_2_CT
3965 CONGRESS STREET
FAIRFIELD, CT 06824
FUZE PROJECT ID: 16244167

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.



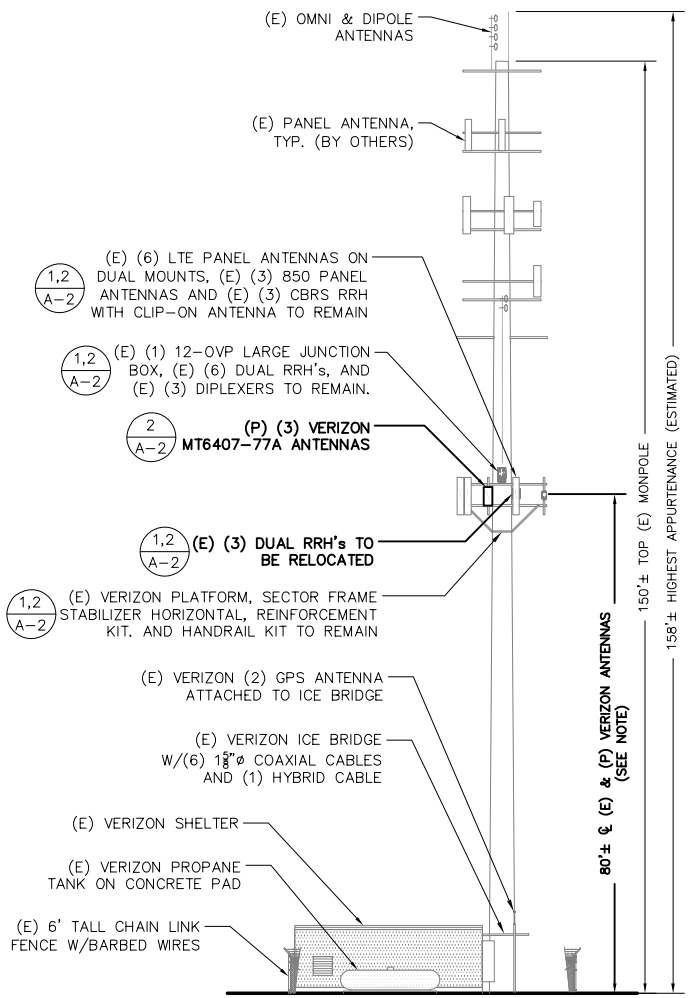
N

COMPOUND PLAN

1 / A-1

SCALE: 1"=20' (11x17)

20 10 0 20



SOUTHEAST ELEVATION

2 / A-1

SCALE: 1"=20' (11x17)

20 15 0 20

verizon
118 FLANDERS ROAD
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4 Bay Road, Bldg A
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Ph:(413)320-4918

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STATE OF CONNECTICUT
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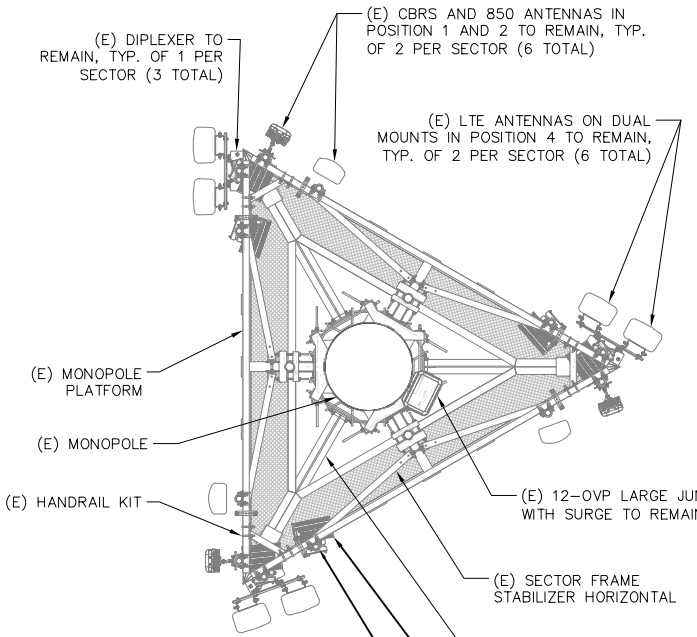
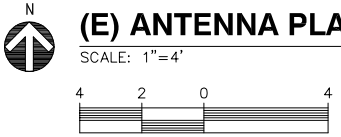
11-30-2021

FAIRFIELD_2_CT
3969 CONGRESS STREET
FAIRFIELD, CT 06824
FUZE PROJECT ID: 16244167

A-1



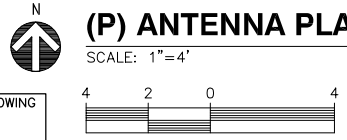


(E) ANTENNA PLAN

1 A-2

SCALE: 1"=4'

4 2 0 4

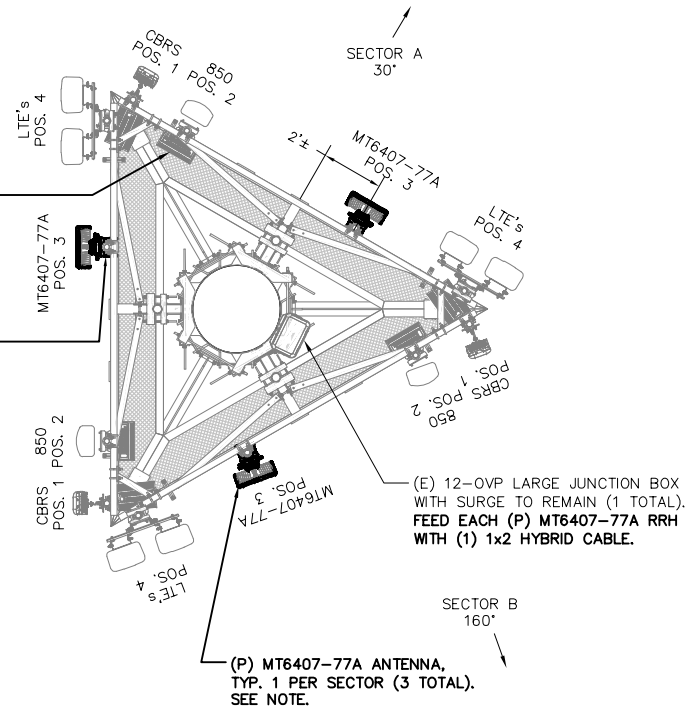


(P) ANTENNA PLAN

2 A-2

SCALE: 1"=4'

4 2 0 4



MOUNT HARDWARE UPGRADE NOTE: CONTRACTOR SHALL COMPLETE THE FOLLOWING REQUIREMENTS PER THE MOUNT ANALYSIS BY MASER CONSULTING.

- CONTRACTOR SHALL RELOCATE POSITION 3 MOUNT PIPE ON ALL SECTORS TO THE EXISTING ADJACENT PIPE SUPPORT CONNECTION PLATE LOCATION APPROXIMATELY 24" FROM CENTER OF MOUNT. CONNECT PIPE TO EXISTING PLATE USING TWO (2) NEW 1/2" DIA. U-BOLTS UTILIZING EXISTING MOUNTING PLATE HOLES. CONNECT PIPE TO EXISTING SUPPORT RAIL WITH NEW VZWSMART-MSK1 CROSSOVER PLATES.
- CONTRACTOR SHALL RELOCATE EXISTING RADIO FROM POSITION 3 TO THE ADJACENT SECTOR POSITION 2. RADIO SHALL STILL SERVICE THE ADJACENT SECTOR LTE ANTENNAS. REFER TO PLACEMENT DIAGRAMS.
- CONTRACTOR TO INSTALL SAFETY CLIMB CABLE GUIDE (SITE PRO 1, PART #: 120-123/317 OR EOR APPROVED EQUIVALENT) IN LOCATIONS WHERE WIRE ROPE IS RUBBING AGAINST MOUNT TO TOWER ATTACHMENTS. CONTRACTOR TO PROVIDE PHOTOS OF SAFETY CLIMB GUIDE INSTALLATION.

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
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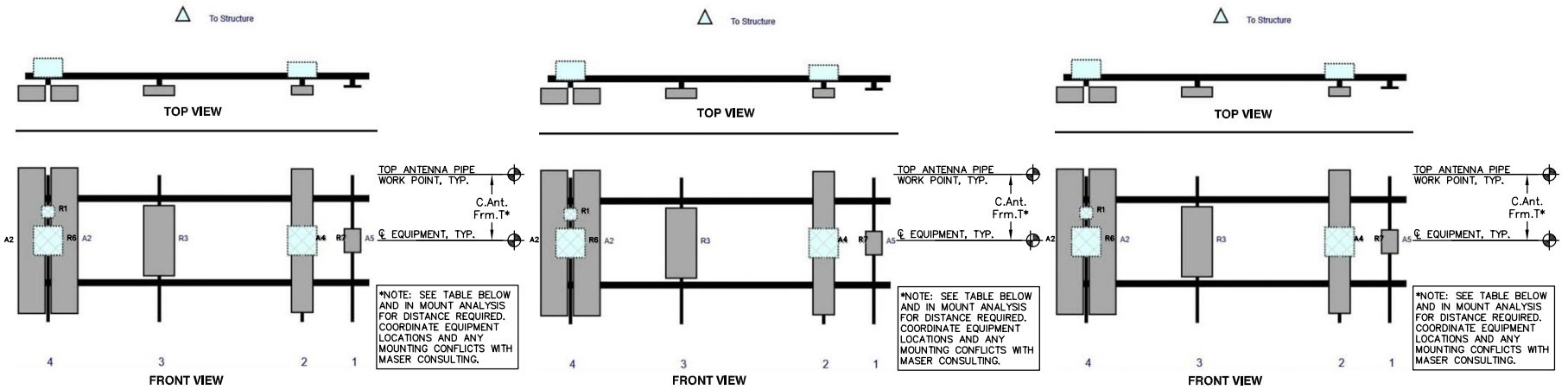
JESSE M. MORENO
No. 24388
LICENSED PROFESSIONAL ENGINEER
11-30-2021

FAIRFIELD_2_CT
3969 CONGRESS STREET
FAIRFIELD, CT 06824
FUZE PROJECT ID: 16244167

A-2

ANTENNA LAYOUT SCHEMATIC RENDERINGS SHOWN HEREON PROVIDED BY OTHERS

REFER TO ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 10/18/21



ALPHA

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
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
A4	BXA-70063-6CF	71	11.2	136.101	2	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
R3	MT6407-77A	35.1	16.1	65.8514	3	a	Front	32.16	0	Added	
A2	JAHH-65B-R3B	72	13.8	11.24	4	a	Front	32.16	8	Retained	04/18/2021
A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

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
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
A4	BXA-70063-6CF	71	11.2	136.101	2	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
R3	MT6407-77A	35.1	16.1	65.8514	3	a	Front	32.16	0	Added	
A2	JAHH-65B-R3B	72	13.8	11.24	4	a	Front	32.16	8	Retained	04/18/2021
A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

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
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
A4	BXA-70063-6CF	71	11.2	136.101	2	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
R3	MT6407-77A	35.1	16.1	65.8514	3	a	Front	32.16	0	Added	
A2	JAHH-65B-R3B	72	13.8	11.24	4	a	Front	32.16	8	Retained	04/18/2021
A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

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

SMART TOOL VENDOR PROJECT NUMBER: 10109181

VzW LOCATION CODE (PSLC): 467147

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 10/18/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): **YES**

- HARDWARE PIPE MOUNT RELOCATION/UPGRADE REQUIRED & MOUNT VERIFICATION MAPPING AS SHOWN IN PMI
- ADDITIONAL REQUIREMENTS NOTED ON SHEET A-2

verizon
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REVISIONS

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1	11/30/21	PER RFDS DATED 10/7/21	TBD	JWG	JMM

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

FAIRFIELD_2_CT
3965 CONGRESS STREET
FAIRFIELD, CT 06824
FUZE PROJECT ID: 16244167

X-1

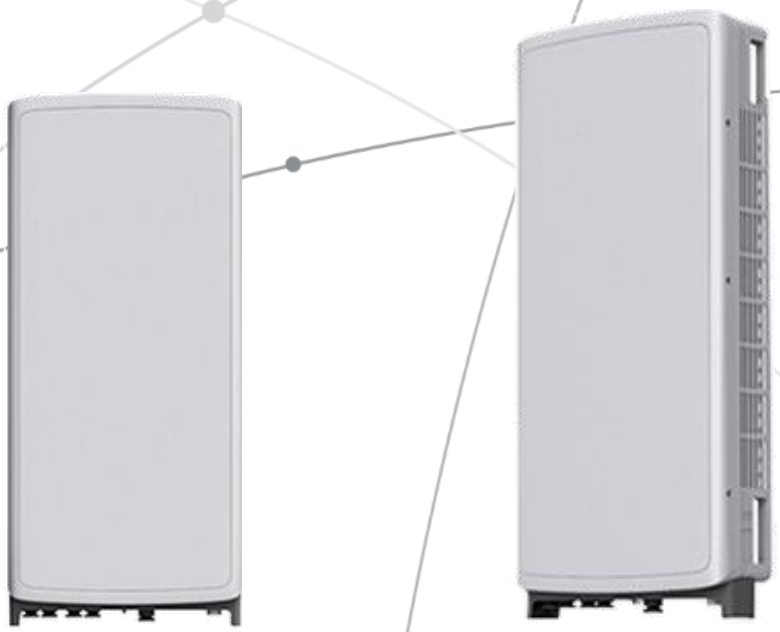
SAMSUNG

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

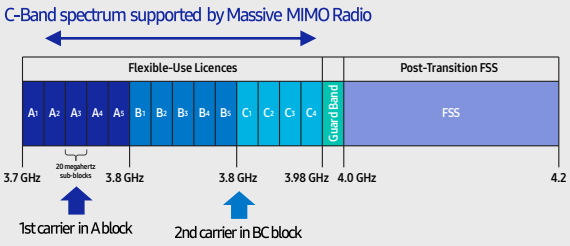


Points of Differentiation

Wide Bandwidth

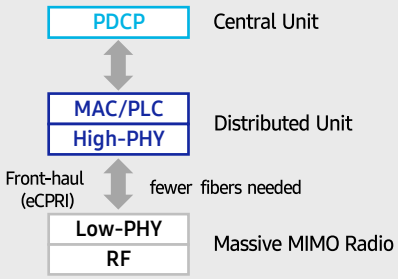
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

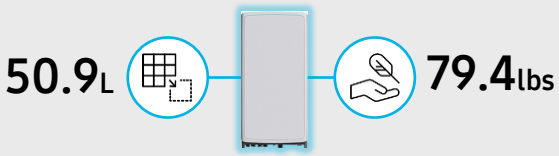
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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: Fairfield 2								
Tower Height: Verizon @ 80ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*AT&T-UMTS	1	252	127	850	0.0062	0.5667	0.11%	
*AT&T-PCS-UMTS	1	1476	127	700	0.0363	0.4667	0.78%	
*AT&T-PCS-UMTS	1	1000	127	850	0.0246	0.5667	0.43%	
*AT&T-GSM	1	1000	127	850	0.0246	0.5667	0.43%	
*AT&T-LTE	2	3664	127	1900	0.18	1	1.80%	
*AT&T-PCS-LTE	1	1285	127	2300	0.0316	1	0.32%	
*T-Mobile	2	2308	116	2100	0.1372	1	1.37%	
*T-Mobile	2	2057	116	1900	0.1223	1	1.22%	
*T-Mobile	4	1028	116	1900	0.1222	1	1.22%	
*T-Mobile	2	649	116	700	0.0386	0.4667	0.83%	
*T-Mobile	2	592	116	600	0.0352	0.4	0.88%	
*T-Mobile	1	1578	116	600	0.0469	0.4	1.17%	
*T-Mobile	2	2204	116	1900	0.131	1	1.31%	
*T-Mobile	2	1295	116	2100	0.077	1	0.77%	
*T-Mobile	2	6413	116	2500	0.3812	1	3.81%	
*T-Mobile	2	6413	116	2500	0.3812	1	3.81%	
*Sprint	1	438	138	850	0.009	0.5667	0.16%	
*Sprint	2	438	138	850	0.0181	0.5667	0.32%	
*Sprint	5	623	138	1900	0.0643	1	0.64%	
*Sprint	2	1556	138	1900	0.0642	1	0.64%	
*Sprint	8	778	138	2500	0.1285	1	1.28%	
*Sprint	2	795	138	11500	0.0328	1	0.33%	
*Sprint	2	576	150	19500	0.02	1	0.20%	
*Nextel	18	100	156	851	0.0288	0.5673	0.51%	
*Town	1	40	108	470.46	0.0014	0.3136	0.04%	
*Town	1	40	108	470.47	0.0014	0.3136	0.04%	
*Town	1	40	108	470.48	0.0014	0.3137	0.04%	
VZW 700	**4**	**648**	**80**	**751**	**0.0146**	**0.5007**	**2.91%**	
VZW CDMA	**2**	**497**	**80**	**878.49**	**0.0056**	**0.5857**	**0.95%**	
VZW Cellular	**4**	**742**	**80**	**874**	**0.0167**	**0.5827**	**2.86%**	
VZW PCS	**4**	**1630**	**80**	**1975**	**0.0366**	**1.0000**	**3.66%**	
VZW AWS	**4**	**1671**	**80**	**2120**	**0.0376**	**1.0000**	**3.76%**	
VZW CBAND	**2**	**21627**	**80**	**3730.08**	**0.2430**	**1.0000**	**24.30%**	
VZW CBRS	**4**	**14**	**80**	**3625**	**0.0003**	**1.0000**	**0.03%**	
								62.94%
* Source: Siting Council								

ATTACHMENT 4

ProTerra
DESIGN GROUP, LLC

Prepared For:

verizon

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

Structure Rating:	
Monopole Tower:	**88.1% (Pass)**
Base Plate:	**53.1% (Pass)**
Anchor Bolts:	**79.6% (Pass)**
Foundation:	**77.0% (Pass)**

Sincerely,

STATE OF CONNECTICUT
AHMET COLAKOGLU
PEN. 27057
LICENSED
PROFESSIONAL ENGINEER

Ahmet Colakoglu, PE
Connecticut Professional Engineer
License No: 27057
EFI Global, Inc.
1117 Perimeter Center West, Suite E500
Atlanta, GA 30338
Tel: (770) 693-0835

Reviewed By:
ProTerra Design Group, LLC.

Jesse Moreno, PE
Digitally signed by Jesse Moreno, PE
Date: 2021.11.30 17:32:34 -05'00'

Site Name: Fairfield 2 CT
Location Code: 467147
Fuze ID: 16244167
3965 Congress Street
Fairfield, CT 06824

The purpose of this analysis is to evaluate the structural capacity of the 150 ft. monopole tower located at 3965 Congress Street, Fairfield, CT 06824 for the addition and alteration of wireless telecommunication appurtenances proposed by Verizon.

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

Exempt Modification Application prepared by Northeast Site Solutions, dated

Foundation analysis calculation sheet, provided by Tectonic via email dated

RFDS provided by Verizon, dated 10/07
Site Photographs, dated 04/18/2021.
Mount Analysis Report, prepared by Maser Consulting, dated 10/15/2021.

The monopole is formed by the following sections:

Section Length (ft.)	Lap Splice (in)	Shaft Thickness (in)	Top Dia./Bottom Dia. (in/in)	Steel Yield Strength (ksi)

- The monopole is 12 sided.
- The monopole has been modified in the past to accommodate additional loading by welding WT shapes to the pole shaft.
- It is connected to the foundation with anchor bolts and a base plate.

The analysis is based on the following proposed appurtenances:

Existing Configuration of Verizon Appurtenances:

	(3) BXA-70063-6CF-850MHz (6) Andrew JAHH-65B-R3B (3) CBRS Antenna and (1) 12-OVP Box	(1) 12x24 Hybrid	(1) 14' Low Profile Platform w/ (3) 3.5''x0.216'' – 3' Long pipe (3) Valmont Sitepro1 – MM01 (3) Commscope – BSAMNT-SBS- (3) Valmont Sitepro1 – SFS-H (1) Valmont Sitepro1 – LWRM (1) Valmont Sitepro1 – HRK14 (1) Valmont Sitepro1 – PRK1245-L

Proposed and Final Configuration of Verizon Appurtenances:

	(3) BXA-70063-6CF-850MHz (3) CBRS Antenna and (6) Andrew JAHH-65B-R3B (3) MT6407-77A (Samsung Telecommunications) Antenna w/ RRU (1) 12-OVP Box	(1) 12x24 Hybrid	(1) 14' Low Profile Platform w/ (3) 3.5''x0.216'' – 3' Long pipe (3) Valmont Sitepro1 – MM01 (3) Commscope – BSAMNT-SBS- (3) Valmont Sitepro1 – SFS-H (1) Valmont Sitepro1 – LWRM (1) Valmont Sitepro1 – HRK14 (1) Valmont Sitepro1 – PRK1245-L

***Proposed RRUs to be mounted behind the antennas.**

Existing Appurtenances by Others:

	(2) 1.5”x10 Dipole (1) 3”x12’ Omni		(3) T-Arms
	(12) Mount Pipes		
	(3) DT465B-2XR-V2 w/ Mount Pipe (3) APXVSPP18-C-A20 w/ Mount Pipe (3) Mount Pipe		(1) 13’ Low-Profile Platform
			(1) Collar Mount
	(3) HPA-65R-BUU-H6 w/ Mount Pipe (6) 7770.0 w/ Mount Pipe (3) 80010965 w/ Mount Pipe (3) LGP214nn		(1) 13’ Low-Profile Platform
	(3) APXVARR24_43-C-NA20 w/ Mount Pipe (3) Twin Style TMA		(1) 13’ Low-Profile Platform w/ Handrail Kit
	(1) 1.25”x15’ Whip		(4) 6’ Standoff
	(1) 2”x8’ Dipole		
	(2) 2”x20’ Whip		
	(1) GPS Antenna		3’ Standoff

***Proposed RRUs to be mounted behind the antennas.**

This analysis has been performed in accordance with the 2018 Connecticut State Building Code, based upon an ultimate 3-second gust wind speed of 125 mph (Risk Category II) converted to a nominal 3-second gust wind speed of 97 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 the analysis for Fairfield County, Connecticut:

Ultimate wind speed 125 mph converted to 97 mph without ice (W
Basic wind speed 50 mph with 3/4" radial and escalating ice (V_i
Exposure Category B
Topographic Category 1
Risk Category II (I_w

The following load combinations were used with wind blowing at 0 and 90 measured from a line normal to the face of the tower

i i i

D: Dead load of structures and appurtenances, excluding guy assemblies
$_i$: Weight of ice due to factored ice thickness (based upon t_i
$_i$: Load effects due to temperature
: Wind load without ice (based upon V)
$_i$: Weight of ice due to factored ice thickness (based upon V_i

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.

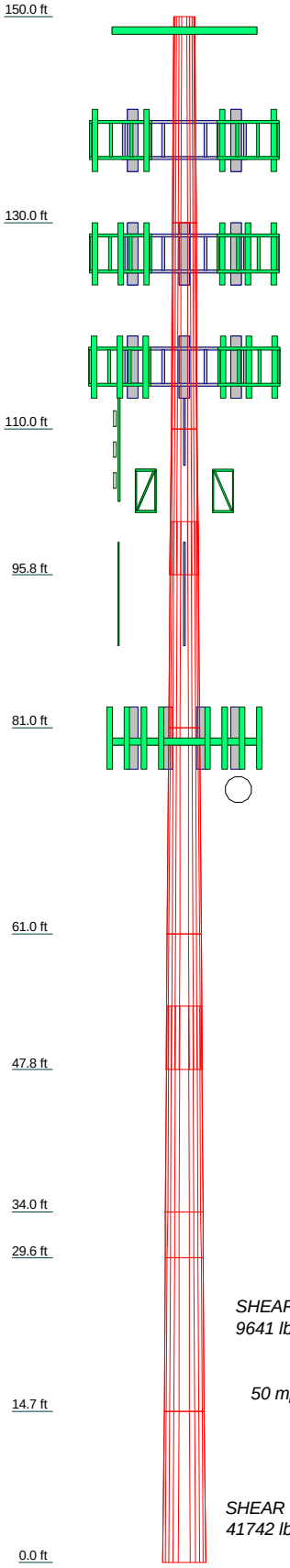
The tower was analyzed by utilizing tnxTower, a non-linear, three-dimensional, finite element-analysis software package, a product of Tower Numerics, Inc. Software output for this analysis is provided in Appendix A of this report.

Based on a structural analysis per ANSI/TIA-222-G, the existing monopole tower has **adequate** structural capacity for the proposed changes by Verizon. For the code specified load combinations and as a maximum, the tower reinforcing members between 14.67 & 31 ft. are stressed to of their structural capacity. The monopole shaft, anchor rods, and base plate, and foundation are stressed to , and of their structural capacities, respectively.

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

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

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (lb)
1	20.00	12	0.2813		23.6100	27.2500		1550.3
2	20.00	12	0.2813		27.2500	30.8900		1774.7
3	14.17	12	0.2813	5.17	30.8900	33.4690		1393.1
4	20.00	12	0.3750		31.9654	35.6055		2745.6
5	20.00	12	0.3750		35.6055	39.2455	A572-65	3044.7
6	13.17	12	0.3750	6.17	39.2455	41.6425		2168.3
7	20.00	12	0.4375		39.7695	43.4095		3945.4
8	4.42	12	0.4375		43.4095	44.2134		919.0
9	14.91	12	0.5800		44.2134	46.9276		4263.0
10	14.67	12	0.7000		46.9276	49.5976		5351.6
								27155.7



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
10' x 1.5" Dia Dipole	149	RRUS 4449 B5/B12	127
10' x 1.5" Dia Dipole	149	RRUS 4449 B5/B12	127
12'x3" Dia Omni	149	RRUS 4449 B5/B12	127
13' T-Arms	149	DC6-48-60-18-8F	127
(4) 2" STD Pipe (2.375 OD)x6'-0"	149	(2) APXVARR24_43-C-NA20_TIA w/ Mount Pipe	116
(4) 2" STD Pipe (2.375 OD)x6'-0"	149	APXVARR24_43-C-NA20_TIA w/ Mount Pipe	116
(4) 2" STD Pipe (2.375 OD)x6'-0"	149	AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	116
RRUS A2 B13	138	AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	116
RRUS A2 B13	138	AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	116
RRUS A2 B13	138	SitePro1 HRK12 Handrail kit	116
RRUS 32 B30	138	13' Low-Profile Platform	116
RRUS 32 B30	138	(4) Twin Style TMA	116
RRUS 32 B30	138	(2) Twin Style TMA	116
DT465B-2XR-V2_TIA w/ Mount Pipe	138	(2) RADIO 4449 B12/B71	116
DT465B-2XR-V2_TIA w/ Mount Pipe	138	RADIO 4449 B12/B71	116
DT465B-2XR-V2_TIA w/ Mount Pipe	138	(2) Collar Mount	106
APXVSPP18-C-A20_TIA w/ Mount Pipe	138	(2) Collar Mount	105
APXVSPP18-C-A20_TIA w/ Mount Pipe	138	6' Standoff	104
APXVSPP18-C-A20_TIA w/ Mount Pipe	138	6' Standoff	104
FD-RRH-2x50-800	138	6' Standoff	104
FD-RRH-2x50-800	138	6' Standoff	104
FD-RRH-2x50-800	138	20'x2" Dia Whips	104
RRH4x45-19	138	15'x1.25" Dia Whips	104
RRH4x45-19	138	20'x2" Dia Whips	104
RRH4x45-19	138	8'x2" Dia Dipole	104
13' Low-Profile Platform	138	JAHH-65B-R3B_TIA w/ Mount Pipe	80
2" STD Pipe (2.375 OD)x6'-0"	138	JAHH-65B-R3B_TIA w/ Mount Pipe	80
2" STD Pipe (2.375 OD)x6'-0"	138	JAHH-65B-R3B_TIA w/ Mount Pipe	80
2" STD Pipe (2.375 OD)x6'-0"	138	JAHH-65B-R3B_TIA	80
DC6-48-60-18-8F	129	JAHH-65B-R3B_TIA	80
RRUS 11	129	JAHH-65B-R3B_TIA	80
RRUS 11	129	Samsung Telecomm - CBRS	80
RRUS 11	129	Samsung Telecomm - CBRS	80
RRUS 12	129	Samsung Telecomm - CBRS	80
RRUS 12	129	B13/B5	80
RRUS 12	129	B13/B5	80
RRU A2	129	B13/B5	80
RRU A2	129	RRUS 8843 B2/B66A	80
RRU A2	129	RRUS 8843 B2/B66A	80
Collar Mount	129	RRUS 8843 B2/B66A	80
HPA-65R-BUU-H6_TIA w/ Mount Pipe	127	CBC78T-DS-43-2X	80
HPA-65R-BUU-H6_TIA w/ Mount Pipe	127	CBC78T-DS-43-2X	80
HPA-65R-BUU-H6_TIA w/ Mount Pipe	127	CBC78T-DS-43-2X	80
(2) 7770_TIA w/ Mount Pipe	127	COVP	80
(2) 7770_TIA w/ Mount Pipe	127	13' Low Profile Platform	80
(2) 7770_TIA w/ Mount Pipe	127	MT6407-77A w/ Mount Pipe	80
LGP214nn	127	BXA-70063-6CF-EDIN-0_TIA w/ Mount Pipe	80
LGP214nn	127	BXA-70063-6CF-EDIN-0_TIA w/ Mount Pipe	80
LGP214nn	127	BXA-70063-6CF-EDIN-0_TIA w/ Mount Pipe	80
13' Low-Profile Platform	127		
80010965_TIA w/ Mount Pipe	127	MT6407-77A w/ Mount Pipe	80
80010965_TIA w/ Mount Pipe	127	MT6407-77A w/ Mount Pipe	80
80010965_TIA w/ Mount Pipe	127	3' Stand Off	40
RADIO 4415 B30	127	GPS_A	40
RADIO 4415 B30	127		
RADIO 4415 B30	127		

ALL REACTIO
ARE FACTOR

AXIAL
110953 lb

SHEAR
9641 lb

TORQUE 999
50 mph WIND - 0.7

AXIAL
61882 lb

SHEAR
41742 lb

TORQUE 385
REACTIONS - 97 n

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-G Standard.
2. Tower designed for a 97 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 74.4%

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

Job: ***Fairfield 2 CT***			
Project: ***2178006***			
Client: Verizon	Drawn by: Patrick.Baxter	App'd:	
Code: TIA-222-G	Date: 11/29/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-G standard.
The following design criteria apply:

Basic wind speed of 97 mph.
Structure Class II.
Exposure Category B.
Topographic Category 1.
Crest Height 0.00 ft.
Nominal ice thickness of 0.7500 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
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

Tapered Pole Section Geometry

Section	*Elevation* *ft*	*Section Length* *ft*	*Splice Length* *ft*	*Number of Sides*	*Top Diameter* *in*	*Bottom Diameter* *in*	*Wall Thickness* *in*	*Bend Radius* *in*	*Pole Grade*
L1	150.00-130.00	20.00	0.00	12	23.6100	27.2500	0.2813	1.1252	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L2	130.00-110.00	20.00	0.00	12	27.2500	30.8900	0.2813	1.1252	A572-65 (65 ksi)
L3	110.00-95.83	14.17	5.17	12	30.8900	33.4690	0.2813	1.1252	A572-65 (65 ksi)
L4	95.83-81.00	20.00	0.00	12	31.9654	35.6055	0.3750	1.5000	A572-65 (65 ksi)
L5	81.00-61.00	20.00	0.00	12	35.6055	39.2455	0.3750	1.5000	A572-65 (65 ksi)
L6	61.00-47.83	13.17	6.17	12	39.2455	41.6425	0.3750	1.5000	A572-65 (65 ksi)
L7	47.83-34.00	20.00	0.00	12	39.7695	43.4095	0.4375	1.7500	A572-65 (65 ksi)
L8	34.00-29.58	4.42	0.00	12	43.4095	44.2134	0.4375	1.7500	A572-65 (65 ksi)
L9	29.58-14.67	14.91	0.00	12	44.2134	46.9276	0.5800	2.3200	A572-65 (65 ksi)
L10	14.67-0.00	14.67		12	46.9276	49.5976	0.7000	2.8000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	24.3436	21.1308	1467.8550	8.3517	12.2300	120.0211	2974.2723	10.3999	5.5736	19.814
	28.1120	24.4279	2267.7313	9.6548	14.1155	160.6554	4595.0384	12.0227	6.5491	23.282
L2	28.1120	24.4279	2267.7313	9.6548	14.1155	160.6554	4595.0384	12.0227	6.5491	23.282
	31.8804	27.7249	3315.4784	10.9579	16.0010	207.2042	6718.0582	13.6454	7.5246	26.75
L3	31.8804	27.7249	3315.4784	10.9579	16.0010	207.2042	6718.0582	13.6454	7.5246	26.75
	34.5504	30.0610	4226.1316	11.8812	17.3369	243.7645	8563.2885	14.7951	8.2158	29.207
L4	33.9349	38.1455	4858.9232	11.3094	16.5581	293.4470	9845.4957	18.7740	7.5617	20.165
	36.7292	42.5408	6739.5284	12.6125	18.4436	365.4119	13656.1118	20.9373	8.5373	22.766
L5	36.7292	42.5408	6739.5284	12.6125	18.4436	365.4119	13656.1118	20.9373	8.5373	22.766
	40.4976	46.9361	9051.7692	13.9156	20.3292	445.2602	18341.3384	23.1005	9.5128	25.367
L6	40.4976	46.9361	9051.7692	13.9156	20.3292	445.2602	18341.3384	23.1005	9.5128	25.367
	42.9792	49.8305	10831.7236	14.7738	21.5708	502.1472	21948.0086	24.5251	10.1552	27.081
L7	42.1807	55.4090	10941.0507	14.0809	20.6006	531.1030	22169.5350	27.2706	9.4857	21.682
	44.7865	60.5368	14268.4429	15.3840	22.4861	634.5444	28911.7336	29.7944	10.4612	23.911
L8	44.7865	60.5368	14268.4429	15.3840	22.4861	634.5444	28911.7336	29.7944	10.4612	23.911
	45.6187	61.6693	15084.2989	15.6718	22.9025	658.6299	30564.8792	30.3518	10.6767	24.404
L9	45.5685	81.4897	19802.8173	15.6208	22.9025	864.6559	40125.8767	40.1068	10.2948	17.75
	48.3784	86.5588	23732.9413	16.5924	24.3085	976.3229	48089.3735	42.6016	11.0222	19.004
L10	48.3361	104.1970	28421.2976	16.5495	24.3085	1169.1919	57589.2543	51.2826	10.7006	15.287
	51.1003	110.2152	33635.8566	17.5053	25.6916	1309.2183	68155.3646	54.2446	11.4162	16.309

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-130.00				1	1	1			
L2 130.00-110.00				1	1	1			
L3 110.00-95.83				1	1	1			

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
L4 95.83-81.00				1	1	1			
L5 81.00-61.00				1	1	1			
L6 61.00-47.83				1	1	1			
L7 47.83-34.00				1	1	1			
L8 34.00-29.58				1	1	1			
L9 29.58-14.67				1	1	1			
L10 14.67-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
Black Cable .4"	C	No	Surface Ar (CaAa)	127.00 - 0.00	1	1	0.000 0.000	0.5200		0.14
PWRT-608-S(13/16")	C	No	Surface Ar (CaAa)	127.00 - 0.00	2	2	0.000 0.000	0.8200		0.62
RG-6(1/2")	C	No	Surface Ar (CaAa)	127.00 - 0.00	1	1	0.000 0.000	0.5840		0.15
RG-6(1/2")	C	No	Surface Ar (CaAa)	127.00 - 0.00	1	1	0.000 0.000	0.5840		0.15
***										
RF 1-5/8 inch-50(1-5/8")	C	No	Surface Ar (CaAa)	80.00 - 0.00	6	6	-0.500 -0.300	1.9700		0.97
FLC 114-50J(1-1/4")	C	No	Surface Ar (CaAa)	80.00 - 0.00	1	1	-0.300 0.000	1.5800		0.70
***										
FLC 114-50J(1-1/4")	A	No	Surface Ar (CaAa)	116.00 - 0.00	24	12	-0.250 0.250	1.5800		0.70
FLC 114-50J(1-1/4")	A	No	Surface Ar (CaAa)	127.00 - 116.00	12	12	-0.250 0.250	1.5800		0.70
HCS 6x12 4AWG (1-5/8)	A	No	Surface Ar (CaAa)	116.00 - 0.00	2	2	0.000 0.000	1.6600		2.40
Black Cable .32"	A	No	Surface Ar (CaAa)	116.00 - 0.00	1	1	0.000 0.000	0.3125		0.07
***										
Step Bolts	C	No	Surface Ar (CaAa)	140.00 - 12.25	1	1	0.000 0.000	0.3750		2.00
Safety Line 3/8	C	No	Surface Ar (CaAa)	150.00 - 12.25	1	1	0.000 0.000	0.3750		0.22
***										
WT6x25 Reinforcement	A	No	Surface Ar (CaAa)	15.94 - 0.00	1	1	0.000 0.000	8.0000		25.00
WT6x25 Reinforcement	A	No	Surface Ar (CaAa)	15.94 - 0.00	1	1	0.500 0.500	8.0000		25.00
WT6x25 Reinforcement	B	No	Surface Ar (CaAa)	15.94 - 0.00	1	1	0.250 0.250	8.0000		25.00
WT6x25 Reinforcement	C	No	Surface Ar (CaAa)	15.94 - 0.00	1	1	0.000 0.000	8.0000		25.00
WT6x25 Reinforcement	A	No	Surface Ar (CaAa)	31.00 - 0.00	1	1	-0.250 -0.250	8.0000		25.00
WT6x25 Reinforcement	A	No	Surface Ar (CaAa)	31.00 - 0.00	1	1	0.250 0.250	8.0000		25.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
WT6x25 Reinforcement	B	No	Surface Ar (CaAa)	31.00 - 0.00	1	1	0.000 0.000	8.0000		25.00
WT6x25 Reinforcement	C	No	Surface Ar (CaAa)	31.00 - 0.00	1	1	0.250 0.250	8.0000		25.00

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
AVA5-50 (7/8")	C	No	No	Inside Pole	104.00 - 0.00	3	No Ice	0.00	0.30
							1/2" Ice	0.00	0.30
							1" Ice	0.00	0.30
AVA5-50 (7/8")	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice	0.00	0.30
							1/2" Ice	0.00	0.30
							1" Ice	0.00	0.30
LCF114-50J(1-1/4")	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
*									
FLC 12-50J(1/2")	C	No	No	Inside Pole	138.00 - 0.00	1	No Ice	0.00	0.17
							1/2" Ice	0.00	0.17
							1" Ice	0.00	0.17
1" Rigid Conduit	C	No	No	Inside Pole	138.00 - 0.00	1	No Ice	0.00	0.50
							1/2" Ice	0.00	0.50
							1" Ice	0.00	0.50
LCF114-50J(1-1/4")	C	No	No	Inside Pole	138.00 - 0.00	1	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70

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
L1	150.00-130.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	1.125	0.000	60.06
L2	130.00-110.00	A	0.000	0.000	34.411	0.000	222.42
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	7.158	0.000	126.36
L3	110.00-95.83	A	0.000	0.000	32.014	0.000	307.06
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	5.779	0.000	100.45
L4	95.83-81.00	A	0.000	0.000	33.505	0.000	321.37
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	6.048	0.000	110.78
L5	81.00-61.00	A	0.000	0.000	45.185	0.000	433.40
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	33.616	0.000	273.28

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
L6	61.00-47.83	A	0.000	0.000	29.754	0.000	285.39
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	23.019	0.000	184.25
L7	47.83-34.00	A	0.000	0.000	31.245	0.000	299.70
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	24.172	0.000	193.48
L8	34.00-29.58	A	0.000	0.000	12.258	0.000	166.78
		B	0.000	0.000	1.136	0.000	35.50
		C	0.000	0.000	8.861	0.000	97.34
L9	29.58-14.67	A	0.000	0.000	59.573	0.000	1132.10
		B	0.000	0.000	12.944	0.000	404.50
		C	0.000	0.000	39.004	0.000	613.09
L10	14.67-0.00	A	0.000	0.000	80.087	0.000	1784.90
		B	0.000	0.000	23.472	0.000	733.50
		C	0.000	0.000	48.193	0.000	911.54

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
L1	150.00-130.00	A	1.733	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	11.523	0.000	193.94
L2	130.00-110.00	A	1.706	0.000	0.000	54.827	0.000	879.53
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	46.163	0.000	650.18
L3	110.00-95.83	A	1.681	0.000	0.000	56.575	0.000	1010.16
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	36.126	0.000	504.57
L4	95.83-81.00	A	1.655	0.000	0.000	59.211	0.000	1057.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	37.809	0.000	533.73
L5	81.00-61.00	A	1.619	0.000	0.000	78.992	0.000	1385.86
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	94.370	0.000	1329.83
L6	61.00-47.83	A	1.577	0.000	0.000	51.626	0.000	894.70
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	62.752	0.000	871.38
L7	47.83-34.00	A	1.532	0.000	0.000	54.213	0.000	939.54
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	65.897	0.000	915.05
L8	34.00-29.58	A	1.494	0.000	0.000	20.192	0.000	408.98
		B		0.000	0.000	1.560	0.000	60.11
		C		0.000	0.000	22.002	0.000	335.58
L9	29.58-14.67	A	1.441	0.000	0.000	92.240	0.000	2295.89
		B		0.000	0.000	17.606	0.000	673.37
		C		0.000	0.000	85.201	0.000	1566.37
L10	14.67-0.00	A	1.289	0.000	0.000	116.631	0.000	3192.08
		B		0.000	0.000	31.038	0.000	1162.84
		C		0.000	0.000	86.534	0.000	1853.89

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L1	150.00-130.00	0.0000	0.3275	0.0000	2.1212
L2	130.00-110.00	-5.1272	-1.7912	-3.9103	1.3412
L3	110.00-95.83	-6.3142	-2.4146	-5.0220	0.5890
L4	95.83-81.00	-6.4778	-2.4722	-5.2317	0.6261
L5	81.00-61.00	-3.0830	0.3644	-2.5958	2.6060
L6	61.00-47.83	-3.0392	0.5109	-2.6115	2.8031
L7	47.83-34.00	-3.0964	0.5257	-2.6850	2.8913
L8	34.00-29.58	-3.4086	0.0900	-3.1456	2.3698
L9	29.58-14.67	-4.0598	-0.5963	-3.7908	1.4420
L10	14.67-0.00	-3.2174	-1.2636	-3.2246	0.0553

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	22	Step Bolts	130.00 - 140.00	1.0000	1.0000
L1	23	Safety Line 3/8	130.00 - 150.00	1.0000	1.0000
L2	9	Black Cable .4"	110.00 - 127.00	1.0000	1.0000
L2	10	PWRT-608-S(13/16")	110.00 - 127.00	1.0000	1.0000
L2	11	RG-6(1/2")	110.00 - 127.00	1.0000	1.0000
L2	12	RG-6(1/2")	110.00 - 127.00	1.0000	1.0000
L2	17	FLC 114-50J(1-1/4")	110.00 - 116.00	1.0000	1.0000
L2	18	FLC 114-50J(1-1/4")	116.00 - 127.00	1.0000	1.0000
L2	19	HCS 6x12 4AWG (1-5/8)	110.00 - 116.00	1.0000	1.0000
L2	20	Black Cable .32"	110.00 - 116.00	1.0000	1.0000
L2	22	Step Bolts	110.00 - 130.00	1.0000	1.0000
L2	23	Safety Line 3/8	110.00 - 130.00	1.0000	1.0000
L3	9	Black Cable .4"	95.83 - 110.00	1.0000	1.0000
L3	10	PWRT-608-S(13/16")	95.83 - 110.00	1.0000	1.0000
L3	11	RG-6(1/2")	95.83 - 110.00	1.0000	1.0000
L3	12	RG-6(1/2")	95.83 - 110.00	1.0000	1.0000
L3	17	FLC 114-50J(1-1/4")	95.83 - 110.00	1.0000	1.0000
L3	19	HCS 6x12 4AWG (1-5/8)	95.83 - 110.00	1.0000	1.0000
L3	20	Black Cable .32"	95.83 - 110.00	1.0000	1.0000
L3	22	Step Bolts	95.83 - 110.00	1.0000	1.0000
L3	23	Safety Line 3/8	95.83 - 110.00	1.0000	1.0000
L4	9	Black Cable .4"	81.00 - 95.83	1.0000	1.0000
L4	10	PWRT-608-S(13/16")	81.00 - 95.83	1.0000	1.0000
L4	11	RG-6(1/2")	81.00 - 95.83	1.0000	1.0000
L4	12	RG-6(1/2")	81.00 - 95.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	17	FLC 114-50J(1-1/4")	81.00 - 95.83	1.0000	1.0000
L4	19	HCS 6x12 4AWG (1-5/8)	81.00 - 95.83	1.0000	1.0000
L4	20	Black Cable .32"	81.00 - 95.83	1.0000	1.0000
L4	22	Step Bolts	81.00 - 95.83	1.0000	1.0000
L4	23	Safety Line 3/8	81.00 - 95.83	1.0000	1.0000
L5	9	Black Cable .4"	61.00 - 81.00	1.0000	1.0000
L5	10	PWRT-608-S(13/16")	61.00 - 81.00	1.0000	1.0000
L5	11	RG-6(1/2")	61.00 - 81.00	1.0000	1.0000
L5	12	RG-6(1/2")	61.00 - 81.00	1.0000	1.0000
L5	14	RF 1-5/8 inch-50(1-5/8")	61.00 - 80.00	1.0000	1.0000
L5	15	FLC 114-50J(1-1/4")	61.00 - 80.00	1.0000	1.0000
L5	17	FLC 114-50J(1-1/4")	61.00 - 81.00	1.0000	1.0000
L5	19	HCS 6x12 4AWG (1-5/8)	61.00 - 81.00	1.0000	1.0000
L5	20	Black Cable .32"	61.00 - 81.00	1.0000	1.0000
L5	22	Step Bolts	61.00 - 81.00	1.0000	1.0000
L5	23	Safety Line 3/8	61.00 - 81.00	1.0000	1.0000
L6	9	Black Cable .4"	47.83 - 61.00	1.0000	1.0000
L6	10	PWRT-608-S(13/16")	47.83 - 61.00	1.0000	1.0000
L6	11	RG-6(1/2")	47.83 - 61.00	1.0000	1.0000
L6	12	RG-6(1/2")	47.83 - 61.00	1.0000	1.0000
L6	14	RF 1-5/8 inch-50(1-5/8")	47.83 - 61.00	1.0000	1.0000
L6	15	FLC 114-50J(1-1/4")	47.83 - 61.00	1.0000	1.0000
L6	17	FLC 114-50J(1-1/4")	47.83 - 61.00	1.0000	1.0000
L6	19	HCS 6x12 4AWG (1-5/8)	47.83 - 61.00	1.0000	1.0000
L6	20	Black Cable .32"	47.83 - 61.00	1.0000	1.0000
L6	22	Step Bolts	47.83 - 61.00	1.0000	1.0000
L6	23	Safety Line 3/8	47.83 - 61.00	1.0000	1.0000
L7	9	Black Cable .4"	34.00 - 47.83	1.0000	1.0000
L7	10	PWRT-608-S(13/16")	34.00 - 47.83	1.0000	1.0000
L7	11	RG-6(1/2")	34.00 - 47.83	1.0000	1.0000
L7	12	RG-6(1/2")	34.00 - 47.83	1.0000	1.0000
L7	14	RF 1-5/8 inch-50(1-5/8")	34.00 - 47.83	1.0000	1.0000
L7	15	FLC 114-50J(1-1/4")	34.00 - 47.83	1.0000	1.0000
L7	17	FLC 114-50J(1-1/4")	34.00 - 47.83	1.0000	1.0000
L7	19	HCS 6x12 4AWG (1-5/8)	34.00 - 47.83	1.0000	1.0000
L7	20	Black Cable .32"	34.00 - 47.83	1.0000	1.0000
L7	22	Step Bolts	34.00 - 47.83	1.0000	1.0000
L7	23	Safety Line 3/8	34.00 - 47.83	1.0000	1.0000
L8	9	Black Cable .4"	29.58 - 34.00	1.0000	1.0000
L8	10	PWRT-608-S(13/16")	29.58 - 34.00	1.0000	1.0000
L8	11	RG-6(1/2")	29.58 - 34.00	1.0000	1.0000
L8	12	RG-6(1/2")	29.58 - 34.00	1.0000	1.0000
L8	14	RF 1-5/8 inch-50(1-5/8")	29.58 - 34.00	1.0000	1.0000
L8	15	FLC 114-50J(1-1/4")	29.58 - 34.00	1.0000	1.0000
L8	17	FLC 114-50J(1-1/4")	29.58 - 34.00	1.0000	1.0000
L8	19	HCS 6x12 4AWG (1-5/8)	29.58 - 34.00	1.0000	1.0000
L8	20	Black Cable .32"	29.58 - 34.00	1.0000	1.0000
L8	22	Step Bolts	29.58 - 34.00	1.0000	1.0000
L8	23	Safety Line 3/8	29.58 - 34.00	1.0000	1.0000
L8	29	WT6x25 Reinforcement	29.58 - 31.00	1.0000	1.0000
L8	30	WT6x25 Reinforcement	29.58 - 31.00	1.0000	1.0000
L8	31	WT6x25 Reinforcement	29.58 - 31.00	1.0000	1.0000
L8	32	WT6x25 Reinforcement	29.58 - 31.00	1.0000	1.0000
L9	9	Black Cable .4"	14.67 - 29.58	1.0000	1.0000
L9	10	PWRT-608-S(13/16")	14.67 - 29.58	1.0000	1.0000
L9	11	RG-6(1/2")	14.67 - 29.58	1.0000	1.0000
L9	12	RG-6(1/2")	14.67 - 29.58	1.0000	1.0000
L9	14	RF 1-5/8 inch-50(1-5/8")	14.67 - 29.58	1.0000	1.0000
L9	15	FLC 114-50J(1-1/4")	14.67 - 29.58	1.0000	1.0000
L9	17	FLC 114-50J(1-1/4")	14.67 - 29.58	1.0000	1.0000
L9	19	HCS 6x12 4AWG (1-5/8)	14.67 - 29.58	1.0000	1.0000
L9	20	Black Cable .32"	14.67 - 29.58	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L9	22	Step Bolts	14.67 - 29.58	1.0000	1.0000
L9	23	Safety Line 3/8	14.67 - 29.58	1.0000	1.0000
L9	25	WT6x25 Reinforcement	14.67 - 15.94	1.0000	1.0000
L9	26	WT6x25 Reinforcement	14.67 - 15.94	1.0000	1.0000
L9	27	WT6x25 Reinforcement	14.67 - 15.94	1.0000	1.0000
L9	28	WT6x25 Reinforcement	14.67 - 15.94	1.0000	1.0000
L9	29	WT6x25 Reinforcement	14.67 - 29.58	1.0000	1.0000
L9	30	WT6x25 Reinforcement	14.67 - 29.58	1.0000	1.0000
L9	31	WT6x25 Reinforcement	14.67 - 29.58	1.0000	1.0000
L9	32	WT6x25 Reinforcement	14.67 - 29.58	1.0000	1.0000
L10	9	Black Cable .4"	0.00 - 14.67	1.0000	1.0000
L10	10	PWRT-608-S(13/16")	0.00 - 14.67	1.0000	1.0000
L10	11	RG-6(1/2")	0.00 - 14.67	1.0000	1.0000
L10	12	RG-6(1/2")	0.00 - 14.67	1.0000	1.0000
L10	14	RF 1-5/8 inch-50(1-5/8")	0.00 - 14.67	1.0000	1.0000
L10	15	FLC 114-50J(1-1/4")	0.00 - 14.67	1.0000	1.0000
L10	17	FLC 114-50J(1-1/4")	0.00 - 14.67	1.0000	1.0000
L10	19	HCS 6x12 4AWG (1-5/8)	0.00 - 14.67	1.0000	1.0000
L10	20	Black Cable .32"	0.00 - 14.67	1.0000	1.0000
L10	22	Step Bolts	12.25 - 14.67	1.0000	1.0000
L10	23	Safety Line 3/8	12.25 - 14.67	1.0000	1.0000
L10	25	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	26	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	27	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	28	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	29	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	30	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	31	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000
L10	32	WT6x25 Reinforcement	0.00 - 14.67	1.0000	1.0000

Discrete Tower Loads

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
GPS_A	C	From Leg	4.00 0.00 0.00	0.0000	40.00	No Ice 1/2" Ice 1" Ice	0.26 0.32 0.38	0.26 0.32 0.38	9.00 9.00 10.00
3' Stand Off	C	From Leg	2.00 0.00 0.00	0.0000	40.00	No Ice 1/2" Ice 1" Ice	0.85 1.14 1.43	1.67 2.34 3.01	70.00 80.00 90.00
***** BXA-70063-6CF-EDIN-0_TI A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	7.81 8.36 8.87	5.80 6.95 7.82	42.25 103.01 171.49
BXA-70063-6CF-EDIN-0_TI A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	7.81 8.36 8.87	5.80 6.95 7.82	42.25 103.01 171.49
BXA-70063-6CF-EDIN-0_TI A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice	7.81 8.36 8.87	5.80 6.95 7.82	42.25 103.01 171.49

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
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	80.00	No Ice	4.91	2.68	95.88
			0.00	0.00			1/2" Ice	5.26	3.14	135.60
			0.00	0.00			1" Ice	5.61	3.62	180.44
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	80.00	No Ice	4.91	2.68	95.88
			0.00	0.00			1/2" Ice	5.26	3.14	135.60
			0.00	0.00			1" Ice	5.61	3.62	180.44
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	80.00	No Ice	4.91	2.68	95.88
			0.00	0.00			1/2" Ice	5.26	3.14	135.60
			0.00	0.00			1" Ice	5.61	3.62	180.44
JAHH-65B-R3B_TIA w/ Mount Pipe	A	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.35	7.65	88.85
			0.00	0.00			1/2" Ice	9.92	8.83	165.42
			0.00	0.00			1" Ice	10.46	9.73	250.16
JAHH-65B-R3B_TIA w/ Mount Pipe	B	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.35	7.65	88.85
			0.00	0.00			1/2" Ice	9.92	8.83	165.42
			0.00	0.00			1" Ice	10.46	9.73	250.16
JAHH-65B-R3B_TIA w/ Mount Pipe	C	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.35	7.65	88.85
			0.00	0.00			1/2" Ice	9.92	8.83	165.42
			0.00	0.00			1" Ice	10.46	9.73	250.16
JAHH-65B-R3B_TIA	A	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.11	5.98	63.30
			0.00	0.00			1/2" Ice	9.58	6.44	121.38
			0.00	0.00			1" Ice	10.05	6.91	185.75
JAHH-65B-R3B_TIA	B	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.11	5.98	63.30
			0.00	0.00			1/2" Ice	9.58	6.44	121.38
			0.00	0.00			1" Ice	10.05	6.91	185.75
JAHH-65B-R3B_TIA	C	From Leg	4.00	0.00	0.0000	80.00	No Ice	9.11	5.98	63.30
			0.00	0.00			1/2" Ice	9.58	6.44	121.38
			0.00	0.00			1" Ice	10.05	6.91	185.75
Samsung Telecomm - CBRS	A	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.53	0.75	23.14
			0.00	0.00			1/2" Ice	1.69	0.87	35.07
			0.00	0.00			1" Ice	1.85	0.99	49.34
Samsung Telecomm - CBRS	B	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.53	0.75	23.14
			0.00	0.00			1/2" Ice	1.69	0.87	35.07
			0.00	0.00			1" Ice	1.85	0.99	49.34
Samsung Telecomm - CBRS	C	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.53	0.75	23.14
			0.00	0.00			1/2" Ice	1.69	0.87	35.07
			0.00	0.00			1" Ice	1.85	0.99	49.34
B13/B5	A	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.86	0.87	40.80
			0.00	0.00			1/2" Ice	2.03	1.00	55.36
			0.00	0.00			1" Ice	2.20	1.14	72.46
B13/B5	B	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.86	0.87	40.80
			0.00	0.00			1/2" Ice	2.03	1.00	55.36
			0.00	0.00			1" Ice	2.20	1.14	72.46
B13/B5	C	From Leg	4.00	0.00	0.0000	80.00	No Ice	1.86	0.87	40.80
			0.00	0.00			1/2" Ice	2.03	1.00	55.36
			0.00	0.00			1" Ice	2.20	1.14	72.46
RRUS 8843 B2/B66A	A	From Leg	0.00	0.00	0.0000	80.00	No Ice	1.64	1.35	72.00
			0.00	0.00			1/2" Ice	1.80	1.50	89.60
			0.00	0.00			1" Ice	1.97	1.65	109.91
RRUS 8843 B2/B66A	B	From Leg	0.00	0.00	0.0000	80.00	No Ice	1.64	1.35	72.00
			0.00	0.00			1/2" Ice	1.80	1.50	89.60
			0.00	0.00			1" Ice	1.97	1.65	109.91
RRUS 8843 B2/B66A	C	From Leg	0.00	0.00	0.0000	80.00	No Ice	1.64	1.35	72.00
			0.00	0.00			1/2" Ice	1.80	1.50	89.60
			0.00	0.00			1" Ice	1.97	1.65	109.91
CBC78T-DS-43-2X	A	From Leg	0.00	0.00	0.0000	80.00	No Ice	0.37	0.51	20.70
			0.00	0.00			1/2" Ice	0.45	0.60	27.04
			0.00	0.00			1" Ice	0.53	0.70	35.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
CBC78T-DS-43-2X	B	From Leg	0.00	0.00	0.0000	80.00	No Ice	0.37	0.51	20.70
			0.00				1/2" Ice	0.45	0.60	27.04
			0.00				1" Ice	0.53	0.70	35.07
CBC78T-DS-43-2X	C	From Leg	0.00	0.00	0.0000	80.00	No Ice	0.37	0.51	20.70
			0.00				1/2" Ice	0.45	0.60	27.04
			0.00				1" Ice	0.53	0.70	35.07
COVP	C	From Leg	0.00	0.00	0.0000	80.00	No Ice	0.68	0.38	7.00
			0.00				1/2" Ice	0.78	0.46	13.32
			0.00				1" Ice	0.89	0.55	21.32
13' Low Profile Platform	C	None			0.0000	80.00	No Ice	24.33	24.33	1650.00
							1/2" Ice	30.22	30.22	2030.00
							1" Ice	36.11	36.11	2410.00
******										
8'x2" Dia Dipole	C	From Leg	6.00	0.00	0.0000	104.00	No Ice	1.60	1.60	20.00
			0.00				1/2" Ice	2.42	2.42	30.00
			4.00				1" Ice	3.24	3.24	50.00
15'x1.25" Dia Whips	A	From Leg	6.00	0.00	0.0000	104.00	No Ice	1.88	1.88	20.00
			0.00				1/2" Ice	3.39	3.39	40.00
			7.50				1" Ice	4.93	4.93	60.00
20'x2" Dia Whips	C	From Leg	6.00	0.00	0.0000	104.00	No Ice	4.00	4.00	20.00
			0.00				1/2" Ice	6.03	6.03	50.00
			-10.00				1" Ice	8.07	8.07	90.00
20'x2" Dia Whips	A	From Leg	6.00	0.00	0.0000	104.00	No Ice	4.00	4.00	20.00
			0.00				1/2" Ice	6.03	6.03	50.00
			-10.00				1" Ice	8.07	8.07	90.00
6' Standoff	A	From Leg	3.00	0.00	0.0000	104.00	No Ice	0.85	1.67	70.00
			0.00				1/2" Ice	1.14	2.34	80.00
			0.00				1" Ice	1.43	3.01	90.00
6' Standoff	B	From Leg	3.00	0.00	0.0000	104.00	No Ice	0.85	1.67	70.00
			0.00				1/2" Ice	1.14	2.34	80.00
			0.00				1" Ice	1.43	3.01	90.00
6' Standoff	C	From Leg	3.00	0.00	0.0000	104.00	No Ice	0.85	1.67	70.00
			0.00				1/2" Ice	1.14	2.34	80.00
			0.00				1" Ice	1.43	3.01	90.00
6' Standoff	C	From Leg	3.00	0.00	0.0000	104.00	No Ice	0.85	1.67	70.00
			0.00				1/2" Ice	1.14	2.34	80.00
			0.00				1" Ice	1.43	3.01	90.00
(2) Collar Mount	C	None			0.0000	105.00	No Ice	1.14	1.14	320.00
							1/2" Ice	1.49	1.49	340.00
							1" Ice	1.91	1.91	370.00
(2) Collar Mount	C	None			0.0000	106.00	No Ice	1.14	1.14	320.00
							1/2" Ice	1.49	1.49	340.00
							1" Ice	1.91	1.91	370.00
******										
(2) RADIO 4449 B12/B71	B	From Leg	4.00	0.00	0.0000	116.00	No Ice	1.65	1.16	70.00
			0.00				1/2" Ice	1.81	1.30	90.00
			0.00				1" Ice	1.98	1.45	110.00
RADIO 4449 B12/B71	C	From Leg	4.00	0.00	0.0000	116.00	No Ice	1.65	1.16	70.00
			0.00				1/2" Ice	1.81	1.30	90.00
			0.00				1" Ice	1.98	1.45	110.00
(4) Twin Style TMA	B	From Leg	4.00	0.00	0.0000	116.00	No Ice	6.68	3.48	70.00
			0.00				1/2" Ice	7.07	4.12	120.00
			0.00				1" Ice	7.48	4.78	180.00
(2) Twin Style TMA	C	From Leg	4.00	0.00	0.0000	116.00	No Ice	6.68	3.48	70.00
			0.00				1/2" Ice	7.07	4.12	120.00
			0.00				1" Ice	7.48	4.78	180.00
(2)	B	From Leg	4.00	0.00	0.0000	116.00	No Ice	17.38	10.88	129.65

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
APXVARR24_43-C-NA20_ TIA w/ Mount Pipe			0.00			1/2" Ice	18.11	12.41	250.57
			0.00			1" Ice	18.85	13.96	382.02
APXVARR24_43-C-NA20_ TIA w/ Mount Pipe	C	From Leg	4.00	0.0000	116.00	No Ice	17.38	10.88	129.65
			0.00			1/2" Ice	18.11	12.41	250.57
			0.00			1" Ice	18.85	13.96	382.02
AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	A	From Leg	4.00	0.0000	116.00	No Ice	7.09	6.37	193.67
			0.00			1/2" Ice	7.56	7.23	257.00
			0.00			1" Ice	8.02	7.97	327.42
AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	B	From Leg	4.00	0.0000	116.00	No Ice	7.09	6.37	193.67
			0.00			1/2" Ice	7.56	7.23	257.00
			0.00			1" Ice	8.02	7.97	327.42
AIR 32 B2a/B66Aa_TIA w/ Mount Pipe	C	From Leg	4.00	0.0000	116.00	No Ice	7.09	6.37	193.67
			0.00			1/2" Ice	7.56	7.23	257.00
			0.00			1" Ice	8.02	7.97	327.42
SitePro1 HRK12 Handrail kit	C	None		0.0000	116.00	No Ice	4.80	4.80	250.00
						1/2" Ice	6.70	6.70	290.00
						1" Ice	8.60	8.60	340.00
13' Low-Profile Platform	C	None		0.0000	116.00	No Ice	32.03	32.03	1340.00
						1/2" Ice	38.71	38.71	1800.00
						1" Ice	45.39	45.39	2260.00
****									
HPA-65R-BUU-H6_TIA w/ Mount Pipe	A	From Leg	4.00	0.0000	127.00	No Ice	9.72	7.15	73.54
			0.00			1/2" Ice	10.30	8.34	149.43
			0.00			1" Ice	10.84	9.24	233.49
HPA-65R-BUU-H6_TIA w/ Mount Pipe	B	From Leg	4.00	0.0000	127.00	No Ice	9.72	7.15	73.54
			0.00			1/2" Ice	10.30	8.34	149.43
			0.00			1" Ice	10.84	9.24	233.49
HPA-65R-BUU-H6_TIA w/ Mount Pipe	C	From Leg	4.00	0.0000	127.00	No Ice	9.72	7.15	73.54
			0.00			1/2" Ice	10.30	8.34	149.43
			0.00			1" Ice	10.84	9.24	233.49
(2) 7770_TIA w/ Mount Pipe	A	From Leg	4.00	0.0000	127.00	No Ice	5.75	4.25	55.38
			0.00			1/2" Ice	6.18	5.01	102.81
			0.00			1" Ice	6.61	5.71	156.64
(2) 7770_TIA w/ Mount Pipe	B	From Leg	4.00	0.0000	127.00	No Ice	5.75	4.25	55.38
			0.00			1/2" Ice	6.18	5.01	102.81
			0.00			1" Ice	6.61	5.71	156.64
(2) 7770_TIA w/ Mount Pipe	C	From Leg	4.00	0.0000	127.00	No Ice	5.75	4.25	55.38
			0.00			1/2" Ice	6.18	5.01	102.81
			0.00			1" Ice	6.61	5.71	156.64
LGP214nn	A	From Leg	4.00	0.0000	127.00	No Ice	1.10	0.35	10.00
			0.00			1/2" Ice	1.24	0.44	20.00
			0.00			1" Ice	1.38	0.54	30.00
LGP214nn	B	From Leg	4.00	0.0000	127.00	No Ice	1.10	0.35	10.00
			0.00			1/2" Ice	1.24	0.44	20.00
			0.00			1" Ice	1.38	0.54	30.00
LGP214nn	C	From Leg	4.00	0.0000	127.00	No Ice	1.10	0.35	10.00
			0.00			1/2" Ice	1.24	0.44	20.00
			0.00			1" Ice	1.38	0.54	30.00
13' Low-Profile Platform	C	None		0.0000	127.00	No Ice	24.53	24.53	1340.00
						1/2" Ice	29.94	29.94	1650.00
						1" Ice	35.35	35.35	1960.00
80010965_TIA w/ Mount Pipe	A	From Leg	4.00	0.0000	127.00	No Ice	14.05	7.63	136.19
			0.00			1/2" Ice	14.69	8.90	232.67
			0.00			1" Ice	15.30	9.96	338.18
80010965_TIA w/ Mount Pipe	B	From Leg	4.00	0.0000	127.00	No Ice	14.05	7.63	136.19
			0.00			1/2" Ice	14.69	8.90	232.67
			0.00			1" Ice	15.30	9.96	338.18

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
80010965_TIA w/ Mount Pipe	C	From Leg	4.00		0.0000	127.00	No Ice	14.05	7.63	136.19
			0.00				1/2" Ice	14.69	8.90	232.67
			0.00				1" Ice	15.30	9.96	338.18
RADIO 4415 B30	A	From Leg	4.00		0.0000	127.00	No Ice	1.64	0.64	40.00
			0.00				1/2" Ice	1.80	0.75	50.00
			0.00				1" Ice	1.97	0.87	70.00
RADIO 4415 B30	B	From Leg	4.00		0.0000	127.00	No Ice	1.64	0.64	40.00
			0.00				1/2" Ice	1.80	0.75	50.00
			0.00				1" Ice	1.97	0.87	70.00
RADIO 4415 B30	C	From Leg	4.00		0.0000	127.00	No Ice	1.64	0.64	40.00
			0.00				1/2" Ice	1.80	0.75	50.00
			0.00				1" Ice	1.97	0.87	70.00
RRUS 4449 B5/B12	A	From Leg	4.00		0.0000	127.00	No Ice	1.97	1.41	70.00
			0.00				1/2" Ice	2.14	1.56	90.00
			0.00				1" Ice	2.33	1.73	110.00
RRUS 4449 B5/B12	B	From Leg	4.00		0.0000	127.00	No Ice	1.97	1.41	70.00
			0.00				1/2" Ice	2.14	1.56	90.00
			0.00				1" Ice	2.33	1.73	110.00
RRUS 4449 B5/B12	C	From Leg	4.00		0.0000	127.00	No Ice	1.97	1.41	70.00
			0.00				1/2" Ice	2.14	1.56	90.00
			0.00				1" Ice	2.33	1.73	110.00
DC6-48-60-18-8F	A	From Leg	4.00		0.0000	127.00	No Ice	0.92	0.92	20.00
			0.00				1/2" Ice	1.46	1.46	40.00
			0.00				1" Ice	1.64	1.64	60.00
**										
DC6-48-60-18-8F	C	From Leg	4.00		0.0000	129.00	No Ice	0.92	0.92	20.00
			0.00				1/2" Ice	1.46	1.46	40.00
			0.00				1" Ice	1.64	1.64	60.00
RRUS 11	A	From Leg	4.00		0.0000	129.00	No Ice	2.78	1.19	50.00
			0.00				1/2" Ice	2.99	1.33	70.00
			0.00				1" Ice	3.21	1.49	100.00
RRUS 11	B	From Leg	4.00		0.0000	129.00	No Ice	2.78	1.19	50.00
			0.00				1/2" Ice	2.99	1.33	70.00
			0.00				1" Ice	3.21	1.49	100.00
RRUS 11	C	From Leg	4.00		0.0000	129.00	No Ice	2.78	1.19	50.00
			0.00				1/2" Ice	2.99	1.33	70.00
			0.00				1" Ice	3.21	1.49	100.00
RRUS 12	A	From Leg	4.00		0.0000	129.00	No Ice	3.15	1.29	60.00
			0.00				1/2" Ice	3.36	1.44	80.00
			0.00				1" Ice	3.59	1.60	110.00
RRUS 12	B	From Leg	4.00		0.0000	129.00	No Ice	3.15	1.29	60.00
			0.00				1/2" Ice	3.36	1.44	80.00
			0.00				1" Ice	3.59	1.60	110.00
RRUS 12	C	From Leg	4.00		0.0000	129.00	No Ice	3.15	1.29	60.00
			0.00				1/2" Ice	3.36	1.44	80.00
			0.00				1" Ice	3.59	1.60	110.00
RRU A2	A	From Leg	4.00		0.0000	129.00	No Ice	2.07	0.50	20.00
			0.00				1/2" Ice	2.25	0.61	30.00
			0.00				1" Ice	2.43	0.73	50.00
RRU A2	B	From Leg	4.00		0.0000	129.00	No Ice	2.07	0.50	20.00
			0.00				1/2" Ice	2.25	0.61	30.00
			0.00				1" Ice	2.43	0.73	50.00
RRU A2	C	From Leg	4.00		0.0000	129.00	No Ice	2.07	0.50	20.00
			0.00				1/2" Ice	2.25	0.61	30.00
			0.00				1" Ice	2.43	0.73	50.00
Collar Mount	C	None			0.0000	129.00	No Ice	1.14	1.14	320.00
							1/2" Ice	1.49	1.49	340.00

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
							1" Ice	1.91	1.91	370.00
***										
RRUS A2 B13	A	From Leg	4.00		0.0000	138.00	No Ice	2.79	1.72	80.00
			0.00				1/2" Ice	3.00	1.90	100.00
			0.00				1" Ice	3.21	2.07	130.00
RRUS A2 B13	B	From Leg	4.00		0.0000	138.00	No Ice	2.79	1.72	80.00
			0.00				1/2" Ice	3.00	1.90	100.00
			0.00				1" Ice	3.21	2.07	130.00
RRUS A2 B13	C	From Leg	4.00		0.0000	138.00	No Ice	2.79	1.72	80.00
			0.00				1/2" Ice	3.00	1.90	100.00
			0.00				1" Ice	3.21	2.07	130.00
RRUS 32 B30	A	From Leg	4.00		0.0000	138.00	No Ice	2.69	1.57	60.00
			0.00				1/2" Ice	2.91	1.76	80.00
			0.00				1" Ice	3.14	1.95	100.00
RRUS 32 B30	B	From Leg	4.00		0.0000	138.00	No Ice	2.69	1.57	60.00
			0.00				1/2" Ice	2.91	1.76	80.00
			0.00				1" Ice	3.14	1.95	100.00
RRUS 32 B30	C	From Leg	4.00		0.0000	138.00	No Ice	2.69	1.57	60.00
			0.00				1/2" Ice	2.91	1.76	80.00
			0.00				1" Ice	3.14	1.95	100.00
DT465B-2XR-V2_TIA w/ Mount Pipe	A	From Leg	4.00		0.0000	138.00	No Ice	9.34	7.63	83.92
			0.00				1/2" Ice	9.91	8.82	160.40
			0.00				1" Ice	10.44	9.72	245.03
DT465B-2XR-V2_TIA w/ Mount Pipe	B	From Leg	4.00		0.0000	138.00	No Ice	9.34	7.63	83.92
			0.00				1/2" Ice	9.91	8.82	160.40
			0.00				1" Ice	10.44	9.72	245.03
DT465B-2XR-V2_TIA w/ Mount Pipe	C	From Leg	4.00		0.0000	138.00	No Ice	9.34	7.63	83.92
			0.00				1/2" Ice	9.91	8.82	160.40
			0.00				1" Ice	10.44	9.72	245.03
APXVSPP18-C-A20_TIA w/ Mount Pipe	A	From Leg	4.00		0.0000	138.00	No Ice	8.26	7.47	95.05
			0.00				1/2" Ice	8.82	8.66	165.53
			0.00				1" Ice	9.35	9.56	244.04
APXVSPP18-C-A20_TIA w/ Mount Pipe	B	From Leg	4.00		0.0000	138.00	No Ice	8.26	7.47	95.05
			0.00				1/2" Ice	8.82	8.66	165.53
			0.00				1" Ice	9.35	9.56	244.04
APXVSPP18-C-A20_TIA w/ Mount Pipe	C	From Leg	4.00		0.0000	138.00	No Ice	8.26	7.47	95.05
			0.00				1/2" Ice	8.82	8.66	165.53
			0.00				1" Ice	9.35	9.56	244.04
FD-RRH-2x50-800	A	From Leg	4.00		0.0000	138.00	No Ice	1.36	3.01	50.00
			0.00				1/2" Ice	1.52	3.22	80.00
			0.00				1" Ice	1.68	3.45	100.00
FD-RRH-2x50-800	B	From Leg	4.00		0.0000	138.00	No Ice	1.36	3.01	50.00
			0.00				1/2" Ice	1.52	3.22	80.00
			0.00				1" Ice	1.68	3.45	100.00
FD-RRH-2x50-800	C	From Leg	4.00		0.0000	138.00	No Ice	1.36	3.01	50.00
			0.00				1/2" Ice	1.52	3.22	80.00
			0.00				1" Ice	1.68	3.45	100.00
RRH4x45-19	A	From Leg	4.00		0.0000	138.00	No Ice	2.31	2.38	90.00
			0.00				1/2" Ice	2.52	2.58	110.00
			0.00				1" Ice	2.73	2.79	140.00
RRH4x45-19	B	From Leg	4.00		0.0000	138.00	No Ice	2.31	2.38	90.00
			0.00				1/2" Ice	2.52	2.58	110.00
			0.00				1" Ice	2.73	2.79	140.00
RRH4x45-19	C	From Leg	4.00		0.0000	138.00	No Ice	2.31	2.38	90.00
			0.00				1/2" Ice	2.52	2.58	110.00
			0.00				1" Ice	2.73	2.79	140.00
13' Low-Profile Platform	C	None			0.0000	138.00	No Ice	44.21	44.21	1770.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
							1/2" Ice	53.97	53.97	2320.00
							1" Ice	63.73	63.73	2870.00
2" STD Pipe (2.375 OD)x6'-0"	A	From Leg	4.00	0.00	0.0000	138.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00
2" STD Pipe (2.375 OD)x6'-0"	B	From Leg	4.00	0.00	0.0000	138.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00
2" STD Pipe (2.375 OD)x6'-0"	C	From Leg	4.00	0.00	0.0000	138.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00
***										
10' x 1.5" Dia Dipole	B	From Leg	4.00	0.00	0.0000	149.00	No Ice	2.00	2.00	20.00
							1/2" Ice	3.02	3.02	40.00
				5.00			1" Ice	4.07	4.07	60.00
10' x 1.5" Dia Dipole	C	From Leg	4.00	0.00	0.0000	149.00	No Ice	2.00	2.00	20.00
							1/2" Ice	3.02	3.02	40.00
				5.00			1" Ice	4.07	4.07	60.00
12'x3" Dia Omni	A	From Leg	4.00	0.00	0.0000	149.00	No Ice	3.60	3.60	40.00
							1/2" Ice	4.83	4.83	70.00
				5.00			1" Ice	6.08	6.08	100.00
13' T-Arms	C	None			0.0000	149.00	No Ice	11.59	11.59	770.00
							1/2" Ice	15.44	15.44	990.00
							1" Ice	19.29	19.29	1210.00
(4) 2" STD Pipe (2.375 OD)x6'-0"	A	From Leg	4.00	0.00	0.0000	149.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00
(4) 2" STD Pipe (2.375 OD)x6'-0"	B	From Leg	4.00	0.00	0.0000	149.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00
(4) 2" STD Pipe (2.375 OD)x6'-0"	C	From Leg	4.00	0.00	0.0000	149.00	No Ice	1.43	1.43	20.00
							1/2" Ice	1.92	1.92	30.00
				0.00			1" Ice	2.29	2.29	50.00

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice

Comb. No.	Description
14	1.2 Dead+1.6 Wind 180 deg - No Ice
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice
25	0.9 Dead+1.6 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
L1	150 - 130	Pole	Max Tension	3	0.11	2.17	-0.05
			Max. Compression	26	-14988.69	8.78	-3.16
			Max. Mx	20	-6296.42	95609.37	46.50
			Max. My	2	-6315.43	27.88	95542.25
			Max. Vy	20	-8882.19	95609.37	46.50
			Max. Vx	14	8870.82	-50.24	-95401.09
			Max. Torque	8			370.39
L2	130 - 110	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38891.55	-4510.32	-10752.38
			Max. Mx	8	-15756.54	-425664.87	-4100.79
			Max. My	14	-15848.85	-2565.69	-422701.03
			Max. Vy	20	-22086.02	422805.18	-1441.85
			Max. Vx	14	21392.93	-2565.69	-422701.03
			Max. Torque	18			5562.17
L3	110 - 95.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44431.62	-1720.19	-10221.43

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Mx	8	-19071.83	-629010.11	-5979.19
			Max. My	14	-19160.37	-3643.86	-620649.06
			Max. Vy	20	-24057.08	627995.57	402.49
			Max. Vx	14	23374.41	-3643.86	-620649.06
			Max. Torque	18			5560.61
L4	95.83 - 81	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52468.73	393.39	-10449.62
			Max. Mx	20	-23852.12	1133379.41	4892.75
			Max. My	14	-23932.57	-7301.00	-1111364.53
			Max. Vy	20	-26358.13	1133379.41	4892.75
			Max. Vx	14	25671.54	-7301.00	-1111364.53
			Max. Torque	18			4052.51
L5	81 - 61	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68728.21	2732.17	-11706.25
			Max. Mx	20	-32127.69	1757828.44	9127.24
			Max. My	14	-32201.74	-10798.09	-1719405.34
			Max. Vy	20	-32499.08	1757828.44	9127.24
			Max. Vx	14	31632.67	-10798.09	-1719405.34
			Max. Torque	18			4047.65
L6	61 - 47.83	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71661.18	3572.34	-12134.44
			Max. Mx	20	-33977.38	1987902.44	10606.13
			Max. My	14	-34043.25	-11991.53	-1942977.53
			Max. Vy	20	-33189.07	1987902.44	10606.13
			Max. Vx	14	32283.07	-11991.53	-1942977.53
			Max. Torque	6			-4040.77
L7	47.83 - 34	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82774.39	6457.06	-13574.54
			Max. Mx	20	-41359.08	2674260.99	14699.96
			Max. My	14	-41402.44	-15094.70	-2609263.40
			Max. Vy	20	-35226.43	2674260.99	14699.96
			Max. Vx	14	34242.30	-15094.70	-2609263.40
			Max. Torque	20			4138.54
L8	34 - 29.58	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85116.49	7117.83	-13730.18
			Max. Mx	20	-42953.93	2831081.06	15721.85
			Max. My	14	-42990.39	-15786.92	-2761385.36
			Max. Vy	20	-35652.50	2831081.06	15721.85
			Max. Vx	14	34658.92	-15786.92	-2761385.36
			Max. Torque	20			4137.14
L9	29.58 - 14.67	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96462.30	10343.36	-13557.62
			Max. Mx	20	-51004.00	3381179.41	19536.79
			Max. My	14	-51020.29	-17412.75	-3295360.14
			Max. Vy	20	-37962.08	3381179.41	19536.79
			Max. Vx	14	37087.68	-17412.75	-3295360.14
			Max. Torque	20			4136.38
L10	14.67 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-110952.74	14711.53	-12398.31

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
			Max. Mx	20	-61869.00	3962680.96	23825.12
			Max. My	14	-61869.55	-18078.72	-3860042.45
			Max. Vy	20	-41017.11	3962680.96	23825.12
			Max. Vx	14	40090.90	-18078.72	-3860042.45
			Max. Torque	20			4076.12

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Pole	Max. Vert	26	110952.74	-0.11	0.45
	Max. H_x	21	46411.20	40998.44	213.90
	Max. H_z	2	61881.42	213.87	40070.31
	Max. M_x	2	3857424.11	213.87	40070.31
	Max. M_z	8	3948915.98	-40998.11	-213.90
	Max. Torsion	20	3851.15	40998.11	213.89
	Min. Vert	3	46410.92	213.86	40068.70
	Min. H_x	9	46411.20	-40998.44	-213.90
	Min. H_z	15	46411.17	-213.90	-40073.05
	Min. M_x	14	-3860042.45	-213.89	-40072.39
	Min. M_z	20	-3962680.96	40998.11	213.89
	Min. Torsion	8	-3850.94	-40998.11	-213.90

Tower Mast Reaction Summary

Load Combination	Vertical lb	$Shear_x$ lb	$Shear_z$ lb	Overturning Moment, M_x lb-ft	Overturning Moment, M_z lb-ft	Torque lb-ft
Dead Only	51568.04	0.16	-0.71	796.20	5629.05	-0.09
1.2 Dead+1.6 Wind 0 deg - No Ice	61881.42	-213.87	-40070.31	-3857424.11	31877.21	-108.79
0.9 Dead+1.6 Wind 0 deg - No Ice	46410.92	-213.86	-40068.70	-3816004.97	29849.07	-134.65
1.2 Dead+1.6 Wind 30 deg - No Ice	61881.65	21018.94	-36063.21	-3428941.33	-1998461.83	1779.74
0.9 Dead+1.6 Wind 30 deg - No Ice	46411.24	21018.96	-36063.24	-3392700.61	-1978817.22	1723.24
1.2 Dead+1.6 Wind 60 deg - No Ice	61881.65	36068.47	-20379.32	-1937895.58	-3444883.08	3270.91
0.9 Dead+1.6 Wind 60 deg - No Ice	46411.24	36068.50	-20379.33	-1917506.03	-3409710.53	3200.03
1.2 Dead+1.6 Wind 90 deg - No Ice	61881.60	40998.11	213.90	26131.21	-3948915.98	3850.94
0.9 Dead+1.6 Wind 90 deg - No Ice	46411.20	40998.44	213.90	25527.96	-3908150.27	3784.44
1.2 Dead+1.6 Wind 120 deg - No Ice	61881.65	34807.86	19898.50	1947543.75	-3407641.43	3327.00
0.9 Dead+1.6 Wind 120 deg - No Ice	46411.24	34807.89	19898.51	1926204.99	-3372513.88	3282.53
1.2 Dead+1.6 Wind 150 deg -	61881.65	20326.17	34435.50	3351651.06	-1981351.27	1919.92

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	lb-ft	lb-ft	lb-ft
No Ice						
0.9 Dead+1.6 Wind 150 deg - No Ice	46411.24	20326.19	34435.53	3315193.01	-1961644.50	1909.30
1.2 Dead+1.6 Wind 180 deg - No Ice	61881.54	213.89	40072.39	3860042.45	-18078.72	107.91
0.9 Dead+1.6 Wind 180 deg - No Ice	46411.17	213.90	40073.05	3818226.34	-19556.78	134.05
1.2 Dead+1.6 Wind 210 deg - No Ice	61881.65	-21018.94	36063.21	3431265.75	2012273.56	-1779.78
0.9 Dead+1.6 Wind 210 deg - No Ice	46411.24	-21018.96	36063.24	3394361.59	1989121.89	-1723.04
1.2 Dead+1.6 Wind 240 deg - No Ice	61881.65	-36068.47	20379.32	1940197.12	3458676.71	-3270.66
0.9 Dead+1.6 Wind 240 deg - No Ice	46411.24	-36068.50	20379.33	1919150.53	3420002.30	-3199.53
1.2 Dead+1.6 Wind 270 deg - No Ice	61881.60	-40998.11	-213.89	-23825.46	3962680.96	-3851.15
0.9 Dead+1.6 Wind 270 deg - No Ice	46411.20	-40998.44	-213.90	-23880.41	3918421.51	-3784.40
1.2 Dead+1.6 Wind 300 deg - No Ice	61881.65	-34807.86	-19898.49	-1945211.68	3421396.25	-3327.96
0.9 Dead+1.6 Wind 300 deg - No Ice	46411.24	-34807.89	-19898.51	-1924538.73	3382777.69	-3283.23
1.2 Dead+1.6 Wind 330 deg - No Ice	61881.65	-20326.17	-34435.50	-3349295.50	1995124.22	-1921.24
0.9 Dead+1.6 Wind 330 deg - No Ice	46411.24	-20326.19	-34435.53	-3313509.84	1971921.26	-1910.35
1.2 Dead+1.0 Ice+1.0 Temp	110952.74	0.11	-0.45	12398.31	14711.53	-3.17
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	110952.72	-32.30	-9440.16	-996136.73	18509.15	-235.40
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	110952.73	4787.22	-8265.66	-861510.07	-492247.51	257.55
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	110952.73	8269.75	-4722.20	-489384.66	-866160.47	732.51
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	110952.72	9640.80	32.29	16262.80	-1004939.29	991.84
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	110952.73	8145.20	4687.58	519377.38	-867169.19	935.84
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	110952.73	4752.69	8141.22	887768.53	-497148.20	672.86
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	110952.72	32.31	9440.12	1021283.46	11130.00	228.46
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	110952.73	-4787.22	8265.64	886658.86	521886.79	-264.43
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	110952.73	-8269.75	4722.18	514533.26	895798.33	-739.37
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	110952.72	-9640.79	-32.32	8883.67	1034575.52	-998.72
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	110952.73	-8145.20	-4687.60	-494226.43	896806.88	-942.79
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	110952.73	-4752.69	-8141.24	-862617.44	526787.34	-679.84
Dead+Wind 0 deg - Service	51568.02	-45.75	-8572.90	-819593.80	11037.49	-24.92
Dead+Wind 30 deg - Service	51568.02	4496.50	-7714.87	-728447.73	-420709.66	378.54
Dead+Wind 60 deg - Service	51568.02	7715.98	-4359.67	-411372.68	-728276.28	697.72
Dead+Wind 90 deg - Service	51568.02	8770.72	45.75	6269.42	-835463.57	822.59
Dead+Wind 120 deg - Service	51568.02	7446.26	4256.77	414829.69	-720321.42	711.39
Dead+Wind 150 deg - Service	51568.02	4348.27	7366.60	713378.03	-417034.33	411.27
Dead+Wind 180 deg - Service	51568.02	45.76	8572.89	821512.70	416.11	24.46
Dead+Wind 210 deg - Service	51568.02	-4496.49	7714.85	730365.72	432163.52	-378.95
Dead+Wind 240 deg - Service	51568.02	-7715.97	4359.66	413290.00	739729.52	-698.12

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	lb-ft	lb-ft	lb-ft
Dead+Wind 270 deg - Service	51568.02	-8770.71	-45.76	-4351.93	846915.92	-823.00
Dead+Wind 300 deg - Service	51568.02	-7446.25	-4256.79	-412911.33	731773.49	-711.85
Dead+Wind 330 deg - Service	51568.02	-4348.27	-7366.62	-711458.97	428487.03	-411.75

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	-51568.04	0.00	-0.16	51568.04	0.71	0.001%
2	-213.90	-61881.65	-40074.35	213.87	61881.42	40070.31	0.005%
3	-213.90	-46411.24	-40074.35	213.86	46410.92	40068.70	0.009%
4	21018.99	-61881.65	-36063.29	-21018.94	61881.65	36063.21	0.000%
5	21018.99	-46411.24	-36063.29	-21018.96	46411.24	36063.24	0.000%
6	36068.55	-61881.65	-20379.36	-36068.47	61881.65	20379.32	0.000%
7	36068.55	-46411.24	-20379.36	-36068.50	46411.24	20379.33	0.000%
8	40999.07	-61881.65	213.90	-40998.11	61881.60	-213.90	0.001%
9	40999.07	-46411.24	213.90	-40998.44	46411.20	-213.90	0.001%
10	34807.94	-61881.65	19898.54	-34807.86	61881.65	-19898.50	0.000%
11	34807.94	-46411.24	19898.54	-34807.89	46411.24	-19898.51	0.000%
12	20326.22	-61881.65	34435.59	-20326.17	61881.65	-34435.50	0.000%
13	20326.22	-46411.24	34435.59	-20326.19	46411.24	-34435.53	0.000%
14	213.90	-61881.65	40074.35	-213.89	61881.54	-40072.39	0.003%
15	213.90	-46411.24	40074.35	-213.90	46411.17	-40073.05	0.002%
16	-21018.99	-61881.65	36063.29	21018.94	61881.65	-36063.21	0.000%
17	-21018.99	-46411.24	36063.29	21018.96	46411.24	-36063.24	0.000%
18	-36068.55	-61881.65	20379.36	36068.47	61881.65	-20379.32	0.000%
19	-36068.55	-46411.24	20379.36	36068.50	46411.24	-20379.33	0.000%
20	-40999.07	-61881.65	-213.90	40998.11	61881.60	213.89	0.001%
21	-40999.07	-46411.24	-213.90	40998.44	46411.20	213.90	0.001%
22	-34807.94	-61881.65	-19898.54	34807.86	61881.65	19898.49	0.000%
23	-34807.94	-46411.24	-19898.54	34807.89	46411.24	19898.51	0.000%
24	-20326.22	-61881.65	-34435.59	20326.17	61881.65	34435.50	0.000%
25	-20326.22	-46411.24	-34435.59	20326.19	46411.24	34435.53	0.000%
26	0.00	-110952.74	0.00	-0.11	110952.74	0.45	0.000%
27	-32.31	-110952.74	-9440.84	32.30	110952.72	9440.16	0.001%
28	4787.40	-110952.74	-8265.96	-4787.22	110952.73	8265.66	0.000%
29	8270.06	-110952.74	-4722.37	-8269.75	110952.73	4722.20	0.000%
30	9641.50	-110952.74	32.31	-9640.80	110952.72	-32.29	0.001%
31	8145.51	-110952.74	4687.77	-8145.20	110952.73	-4687.58	0.000%
32	4752.87	-110952.74	8141.54	-4752.69	110952.73	-8141.22	0.000%
33	32.31	-110952.74	9440.84	-32.31	110952.72	-9440.12	0.001%
34	-4787.40	-110952.74	8265.96	4787.22	110952.73	-8265.64	0.000%
35	-8270.06	-110952.74	4722.37	8269.75	110952.73	-4722.18	0.000%
36	-9641.50	-110952.74	-32.31	9640.79	110952.72	32.32	0.001%
37	-8145.51	-110952.74	-4687.77	8145.20	110952.73	4687.60	0.000%
38	-4752.87	-110952.74	-8141.54	4752.69	110952.73	8141.24	0.000%
39	-45.77	-51568.04	-8574.34	45.75	51568.02	8572.90	0.003%
40	4497.24	-51568.04	-7716.13	-4496.50	51568.02	7714.87	0.003%
41	7717.26	-51568.04	-4360.39	-7715.98	51568.02	4359.67	0.003%
42	8772.20	-51568.04	45.77	-8770.72	51568.02	-45.75	0.003%
43	7447.54	-51568.04	4257.51	-7446.26	51568.02	-4256.77	0.003%
44	4349.02	-51568.04	7367.87	-4348.27	51568.02	-7366.60	0.003%
45	45.77	-51568.04	8574.34	-45.76	51568.02	-8572.89	0.003%
46	-4497.24	-51568.04	7716.13	4496.49	51568.02	-7714.85	0.003%
47	-7717.26	-51568.04	4360.39	7715.97	51568.02	-4359.66	0.003%
48	-8772.20	-51568.04	-45.77	8770.71	51568.02	45.76	0.003%
49	-7447.54	-51568.04	-4257.51	7446.25	51568.02	4256.79	0.003%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	% Error
50	-4349.02	-51568.04	-7367.87	4348.27	51568.02	7366.62	0.003%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000494
2	Yes	16	0.00007511	0.00007947
3	Yes	15	0.00010299	0.00013529
4	Yes	21	0.00000001	0.00014560
5	Yes	21	0.00000001	0.00010445
6	Yes	21	0.00000001	0.00013059
7	Yes	21	0.00000001	0.00009356
8	Yes	18	0.00000001	0.00014283
9	Yes	18	0.00000001	0.00010886
10	Yes	21	0.00000001	0.00014734
11	Yes	21	0.00000001	0.00010575
12	Yes	21	0.00000001	0.00013936
13	Yes	21	0.00000001	0.00010001
14	Yes	17	0.00003680	0.00010610
15	Yes	17	0.00002432	0.00008407
16	Yes	21	0.00000001	0.00013641
17	Yes	21	0.00000001	0.00009743
18	Yes	21	0.00000001	0.00014691
19	Yes	21	0.00000001	0.00010528
20	Yes	18	0.00000001	0.00010532
21	Yes	18	0.00000001	0.00008051
22	Yes	21	0.00000001	0.00013610
23	Yes	21	0.00000001	0.00009763
24	Yes	21	0.00000001	0.00014210
25	Yes	21	0.00000001	0.00010215
26	Yes	13	0.00000001	0.00004625
27	Yes	18	0.00007122	0.00011782
28	Yes	19	0.00000001	0.00008404
29	Yes	19	0.00000001	0.00008238
30	Yes	18	0.00007135	0.00012290
31	Yes	19	0.00000001	0.00009075
32	Yes	19	0.00000001	0.00008826
33	Yes	18	0.00007138	0.00012378
34	Yes	19	0.00000001	0.00008845
35	Yes	19	0.00000001	0.00009115
36	Yes	18	0.00007124	0.00012418
37	Yes	19	0.00000001	0.00008431
38	Yes	19	0.00000001	0.00008589
39	Yes	15	0.00012365	0.00002950
40	Yes	15	0.00012343	0.00012033
41	Yes	15	0.00012351	0.00007764
42	Yes	15	0.00012370	0.00005899
43	Yes	15	0.00012363	0.00012260
44	Yes	15	0.00012363	0.00009275
45	Yes	15	0.00012375	0.00003131
46	Yes	15	0.00012348	0.00008649
47	Yes	15	0.00012349	0.00013327
48	Yes	15	0.00012363	0.00005645
49	Yes	15	0.00012352	0.00008288
50	Yes	15	0.00012351	0.00010326

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 130	20.956	48	1.1418	0.0042
L2	130 - 110	16.197	48	1.1226	0.0044
L3	110 - 95.83	11.669	48	1.0224	0.0038
L4	101 - 81	9.813	48	0.9439	0.0028
L5	81 - 61	6.156	48	0.7805	0.0019
L6	61 - 47.83	3.338	46	0.5598	0.0011
L7	54 - 34	2.579	46	0.4765	0.0009
L8	34 - 29.58	0.935	46	0.2851	0.0005
L9	29.58 - 14.67	0.694	46	0.2349	0.0004
L10	14.67 - 0	0.162	46	0.1057	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	10' x 1.5" Dia Dipole	48	20.717	1.1415	0.0042	107099
138.00	RRUS A2 B13	48	18.089	1.1359	0.0043	44624
129.00	DC6-48-60-18-8F	48	15.962	1.1201	0.0044	22801
127.00	HPA-65R-BUU-H6_TIA w/ Mount Pipe	48	15.494	1.1144	0.0044	18909
116.00	(2) RADIO 4449 B12/B71	48	12.979	1.0645	0.0042	8776
106.00	(2) Collar Mount	48	10.829	0.9883	0.0033	7404
105.00	(2) Collar Mount	48	10.623	0.9794	0.0032	7573
104.00	8'x2" Dia Dipole	48	10.418	0.9704	0.0031	7737
80.00	BXA-70063-6CF-EDIN-0_TIA w/ Mount Pipe	48	5.994	0.7712	0.0019	5539
40.00	GPS_A	46	1.337	0.3451	0.0006	5222

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 130	98.465	20	5.3760	0.0200
L2	130 - 110	76.087	20	5.2856	0.0210
L3	110 - 95.83	54.796	20	4.8117	0.0177
L4	101 - 81	46.073	20	4.4393	0.0133
L5	81 - 61	28.893	20	3.6683	0.0089
L6	61 - 47.83	15.658	20	2.6292	0.0052
L7	54 - 34	12.094	16	2.2370	0.0041
L8	34 - 29.58	4.383	16	1.3370	0.0022
L9	29.58 - 14.67	3.254	16	1.1016	0.0017
L10	14.67 - 0	0.761	16	0.4957	0.0007

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	10' x 1.5" Dia Dipole	20	97.339	5.3749	0.0200	23522
138.00	RRUS A2 B13	20	84.986	5.3482	0.0208	9799
129.00	DC6-48-60-18-8F	20	74.982	5.2737	0.0211	4963
127.00	HPA-65R-BUU-H6_TIA w/ Mount Pipe	20	72.781	5.2466	0.0210	4088
116.00	(2) RADIO 4449 B12/B71	20	60.953	5.0112	0.0198	1918
106.00	(2) Collar Mount	20	50.845	4.6500	0.0157	1616
105.00	(2) Collar Mount	20	49.876	4.6077	0.0151	1651
104.00	8'x2" Dia Dipole	20	48.915	4.5652	0.0146	1685
80.00	BXA-70063-6CF-EDIN-0_TIA w/ Mount Pipe	20	28.129	3.6245	0.0088	1188
40.00	GPS_A	16	6.270	1.6184	0.0027	1113

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u lb	P_n lb	Ratio $\frac{P_u}{P_n}$
L1	150 - 130 (1)	TP27.25x23.61x0.2813	20.00	0.00	0.0	24.4279	-6298.57	1743920.00	0.004
L2	130 - 110 (2)	TP30.89x27.25x0.2813	20.00	0.00	0.0	27.7249	-15757.80	1884920.00	0.008
L3	110 - 95.83 (3)	TP33.469x30.89x0.2813	14.17	0.00	0.0	29.2086	-19072.40	1941050.00	0.010
L4	95.83 - 81 (4)	TP35.6055x31.9654x0.375	20.00	0.00	0.0	42.5408	-23856.50	3058540.00	0.008
L5	81 - 61 (5)	TP39.2455x35.6055x0.375	20.00	0.00	0.0	46.9361	-32127.70	3254690.00	0.010
L6	61 - 47.83 (6)	TP41.6425x39.2455x0.375	13.17	0.00	0.0	48.4745	-33977.40	3318040.00	0.010
L7	47.83 - 34 (7)	TP43.4095x39.7695x0.4375	20.00	0.00	0.0	60.5368	-41359.10	4284320.00	0.010
L8	34 - 29.58 (8)	TP44.2134x43.4095x0.4375	4.42	0.00	0.0	61.6693	-42953.90	4334660.00	0.010
L9	29.58 - 14.67 (9)	TP46.9276x44.2134x0.58	14.91	0.00	0.0	86.5588	-50995.70	6380250.00	0.008
L10	14.67 - 0 (10)	TP49.5976x46.9276x0.7	14.67	0.00	0.0	110.2150	-61868.80	8123960.00	0.008

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} lb-ft	M_{nx} lb-ft	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy} lb-ft	M_{ny} lb-ft	Ratio $\frac{M_{uy}}{M_{ny}}$
L1	150 - 130 (1)	TP27.25x23.61x0.2813	95643.33	955775.00	0.100	0.00	955775.00	0.000
L2	130 - 110 (2)	TP30.89x27.25x0.2813	426965.00	1173925.00	0.364	0.00	1173925.00	0.000
L3	110 - 95.83 (3)	TP33.469x30.89x0.2813	630421.67	1274158.33	0.495	0.00	1274158.33	0.000
L4	95.83 - 81 (4)	TP35.6055x31.9654x0.375	1134650.00	2189316.67	0.518	0.00	2189316.67	0.000
L5	81 - 61 (5)	TP39.2455x35.6055x0.375	1757850.00	2572975.00	0.683	0.00	2572975.00	0.000
L6	61 - 47.83 (6)	TP41.6425x39.2455x0.375	1987933.33	2709850.00	0.734	0.00	2709850.00	0.000

Section No.	Elevation ft	Size	M_{ux} lb-ft	M_{nx} lb-ft	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy} lb-ft	M_{ny} lb-ft	Ratio $\frac{M_{uy}}{M_{ny}}$
L7	47.83 - 34 (7)	TP43.4095x39.7695x0.4375	2674300.00	3742341.67	0.715	0.00	3742341.67	0.000
L8	34 - 29.58 (8)	TP44.2134x43.4095x0.4375	2831125.00	3857858.33	0.734	0.00	3857858.33	0.000
L9	29.58 - 14.67 (9)	TP46.9276x44.2134x0.58	3387008.33	5997066.67	0.565	0.00	5997066.67	0.000
L10	14.67 - 0 (10)	TP49.5976x46.9276x0.7	3977791.67	8041874.67	0.495	0.00	8041874.67	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u lb	V_n lb	Ratio $\frac{V_u}{V_n}$	Actual T_u lb-ft	T_n lb-ft	Ratio $\frac{T_u}{T_n}$
L1	150 - 130 (1)	TP27.25x23.61x0.2813	8887.09	871958.00	0.010	320.86	1944850.00	0.000
L2	130 - 110 (2)	TP30.89x27.25x0.2813	22091.80	942459.00	0.023	2731.64	2387758.33	0.001
L3	110 - 95.83 (3)	TP33.469x30.89x0.2813	24076.60	970523.00	0.025	2928.77	2591233.33	0.001
L4	95.83 - 81 (4)	TP35.6055x31.9654x0.375	26374.90	1529270.00	0.017	2924.51	4455241.67	0.001
L5	81 - 61 (5)	TP39.2455x35.6055x0.375	32499.70	1627350.00	0.020	4026.88	5234225.00	0.001
L6	61 - 47.83 (6)	TP41.6425x39.2455x0.375	33189.70	1659020.00	0.020	4024.57	5512116.67	0.001
L7	47.83 - 34 (7)	TP43.4095x39.7695x0.4375	35227.10	2142160.00	0.016	4137.36	7614450.00	0.001
L8	34 - 29.58 (8)	TP44.2134x43.4095x0.4375	35653.20	2167330.00	0.016	4136.54	7849000.00	0.001
L9	29.58 - 14.67 (9)	TP46.9276x44.2134x0.58	38782.90	3190120.00	0.012	2386.77	12211582.67	0.000
L10	14.67 - 0 (10)	TP49.5976x46.9276x0.7	41760.60	4061980.00	0.010	1821.94	16385166.67	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{P_n}$	Ratio $\frac{M_{ux}}{M_{nx}}$	Ratio $\frac{M_{uy}}{M_{ny}}$	Ratio $\frac{V_u}{V_n}$	Ratio $\frac{T_u}{T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 130 (1)	0.004	0.100	0.000	0.010	0.000	0.104	1.000	4.8.2
L2	130 - 110 (2)	0.008	0.364	0.000	0.023	0.001	0.373	1.000	4.8.2
L3	110 - 95.83 (3)	0.010	0.495	0.000	0.025	0.001	0.505	1.000	4.8.2
L4	95.83 - 81 (4)	0.008	0.518	0.000	0.017	0.001	0.526	1.000	4.8.2
L5	81 - 61 (5)	0.010	0.683	0.000	0.020	0.001	0.693	1.000	4.8.2
L6	61 - 47.83 (6)	0.010	0.734	0.000	0.020	0.001	0.744	1.000	4.8.2
L7	47.83 - 34 (7)	0.010	0.715	0.000	0.016	0.001	0.725	1.000	4.8.2
L8	34 - 29.58 (8)	0.010	0.734	0.000	0.016	0.001	0.744	1.000	4.8.2
L9	29.58 - 14.67 (9)	0.008	0.565	0.000	0.012	0.000	0.573	1.000	4.8.2
L10	14.67 - 0 (10)	0.008	0.495	0.000	0.010	0.000	0.502	1.000	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L1	150 - 130	Pole	TP27.25x23.61x0.2813	1	-6298.57	1743920.00	10.4	Pass
L2	130 - 110	Pole	TP30.89x27.25x0.2813	2	-15757.80	1884920.00	37.3	Pass
L3	110 - 95.83	Pole	TP33.469x30.89x0.2813	3	-19072.40	1941050.00	50.5	Pass
L4	95.83 - 81	Pole	TP35.6055x31.9654x0.375	4	-23856.50	3058540.00	52.6	Pass
L5	81 - 61	Pole	TP39.2455x35.6055x0.375	5	-32127.70	3254690.00	69.3	Pass
L6	61 - 47.83	Pole	TP41.6425x39.2455x0.375	6	-33977.40	3318040.00	74.4	Pass
L7	47.83 - 34	Pole	TP43.4095x39.7695x0.4375	7	-41359.10	4284320.00	72.5	Pass
L8	34 - 29.58	Pole	TP44.2134x43.4095x0.4375	8	-42953.90	4334660.00	74.4	Pass
L9	29.58 - 14.67	Pole	TP46.9276x44.2134x0.58	9	-50995.70	6380250.00	57.3	Pass
L10	14.67 - 0	Pole	TP49.5976x46.9276x0.7	10	-61868.80	8123960.00	50.2	Pass
							Summary	
						Pole (L6)	74.4	Pass
						RATING =	**74.4**	**Pass**

CALCULATION SHEET

Check for Reinforcing Member - 14.67'-31' (4) WT6x25

$I_{pole} := 18084\ in^4$ Pole moment of inertia.

$I_{reinf} := 12155\ in^4$ Reinforcement moment of inertia

$M_{pole} := 3387.0\ kip\ ft$ Moment in the composite section (TNX)

$M_{reinf} := \frac{I_{reinf}}{I_{pole} + I_{reinf}}\left(M_{pole}\right) = 1.361\ \ 10^3\ kip\ ft$ Moment carried by the reinforcing members

$y_{bar} := 1.17\ in$

$d_{pole} := 46.9276\ in$

$s := d_{pole} + 2\left(6\ in - y_{bar}\right) = 4.716\,ft$

$P_{reinf} := \frac{M_{reinf}}{s} = 288.711\ kip$ Load carried by the reinforcing members

$P_{cap} := 327.6\ kip$ Factored reinforcing member capacity per Tectonic

$\frac{P_{reinf}}{P_{cap}} = 88.129\ \%$

CALCULATION SHEET

Check for Reinforcing Member - 0'-14.67' (8) WT6x25

$I_{pole} := 21396\ in^4$ Pole moment of inertia.

$I_{reinf} := 21887\ in^4$ Reinforcement moment of inertia

$M_{pole} := 3977.79\ kip\ ft$ Moment in the composite section (TNX)

$M_{reinf} := \frac{I_{reinf}}{I_{pole} + I_{reinf}}\left(M_{pole}\right) = 2.011\ \ 10^3\ kip\ ft$ Moment carried by the reinforcing members

$y_{bar} := 1.17\ in$

$d_{pole} := 46.9276\ in$

$s := 4.14\ ft$ Force Couple spacing (per Tectonic)

$n := 2$ Number of Plates per group

$P_{reinf} := \frac{M_{reinf}}{n\ s} = 242.93\ kip$ Load carried by the reinforcing members

$P_{cap} := 327.6\ kip$ Factored reinforcing member capacity (per Tectonic)

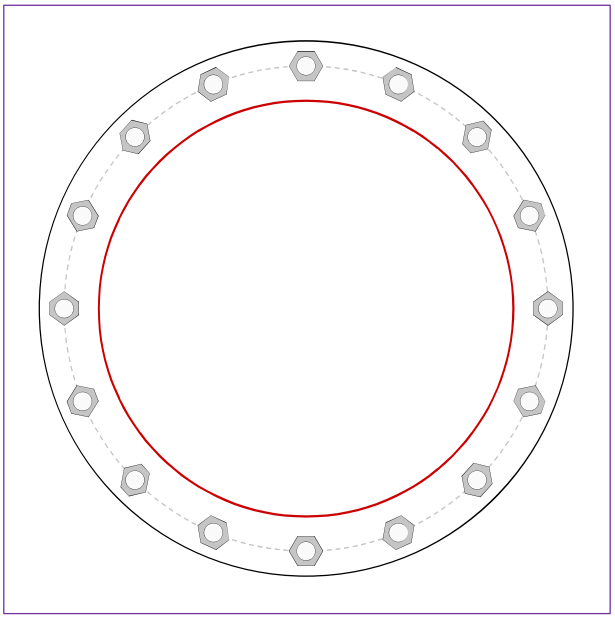
$\frac{P_{reinf}}{P_{cap}} = 74.154\ \%$

Monopole Base Plate Connection

Site Info	
Site Name	Fairfield 2 CT
Order #	

Analysis Considerations	
TIA-222 Revision	
Grout Considered:	Yes
$_{ar}$ (in)	0
Eta Factor, η	0.55

Applied Loads	
Moment (kip-ft)	
Axial Force (kips)	
Shear Force (kips)	



Connection Properties

Anchor Rod Data

(16) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 57.85" BC

Base Plate Data

63.85" OD x 2.75" Plate (A633 Gr. E; Fy=60 ksi, Fu=70 ksi)

Stiffener Data

Pole Data

49.5976" x 0.7" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 202.29	ϕPn_t = 260	**Stress Rating**
Vu = 2.61	ϕVn = n/a	
Mu = n/a	ϕMn = n/a	Pass

Base Plate Summary

Max Stress (ksi):	(Flexural)
Allowable Stress (ksi):	
Stress Rating:	Pass

Drilled Pier Foundation

BU # :	
Site Name:	Fairfield 2 CT
Order Number:	
TIA-222 Revison:	G
Tower Type:	Monopole

Check Limitation	
N/A	☑
Load Z Normalization:	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Applied Loads	Comp.	Uplift
Moment (kip-ft)	3977.79	
Axial Force (kips)	61.88	
Shear Force (kips)	41.74	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	26.5	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 26.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	40	
Rebar Size	11	
Clear Cover to Ties	4	in
Tie Size	4	
Tie Spacing		in

Rebar & Pier Options
Embedded Pole Inputs
Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.66	-
Soil Safety Factor	1.73	-
Max Moment (kip-ft)	4226.07	-
Rating	*77.0%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	262.46	-
End Bearing (kips)	44.87	-
Weight of Concrete (kips)	129.95	-
Total Capacity (kips)	307.33	-
Axial (kips)	191.83	-
Rating	*62.4%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.81	-
Critical Moment (kip-ft)	4225.81	-
Critical Moment Capacity	9153.02	-
Rating	*46.2%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	19.09	-
Critical Shear (kip)	415.57	-
Critical Shear Capacity	560.99	-
Rating	*74.1%*	-

Structural Foundation Rating	**74.1%**
Soil Interaction Rating	**77.0%**

Soil Profile

Groundwater Depth	5.5

# of Layers	3

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	120	150		0	0.000	0.000	0.00	0.00			Cohesionless
2	4	5.5	1.5	120	150		35	0.687	0.687				20	Cohesionless
3	5.5	26.5	21	42.6	87.6		30	0.709	0.709			1.5546	10	Cohesionless

Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
856.797.0412
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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10109181
Maser Consulting Connecticut Project #: 21777726A Rev.1

October 15, 2021

Site Information	*Site ID:*	*467147-VZW / FAIRFIELD 2 CT*
	Site Name:	*FAIRFIELD 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*3965 Congress St.* *Fairfield, Connecticut 06824* *Fairfield County*
	Latitude:	*41.188375°*
	Longitude:	*-73.297616°*
Structure Information	*Tower Type:*	*152.00-Ft Monopole*
	Mount Type:	*14.08-Ft Platform*

FUZE ID # 16244167

Analysis Results

Platform: **49.1% 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
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Abigail Enriquez

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: 323864 dated October 7, 2021*
Mount Mapping Report	*Structural Components, Site ID: 16244167, dated April 18, 2021*
Construction Drawings	*ProTerra Design Group, LLC, Job #: 17-017, dated May 22, 2020*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 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:	0.990
Seismic Parameters:	S_S:	0.222
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
78.28	80.00	3	Samsung	MT6407-77A	Added
		3	Amphenol Antel	BXA-70063-6CF	Retained
		6	Andrew	JAHH-65B-R3B	
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Commscope	CBC78T-DS-43-2X	
		1	-	OVP12*	
		1	-	OVP6*	

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

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to 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 Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	49.4 %	Pass
Standoff Angle	27.8 %	Pass
Standoff Horizontal Larger	11.2 %	Pass
Standoff Horizontal Smaller	15.7 %	Pass
Support Rail	36.8 %	Pass
Mount Pipe	20.5 %	Pass
Standoff Double Angle	36.9 %	Pass
Support Rail Corner Angle	20.3 %	Pass
V-kit HSS	8.7 %	Pass
Mast Pipe	16.5 %	Pass
V-brace Kit	13.3 %	Pass
Kicker	7.4 %	Pass
Connection Check	33.2 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**49.1%**

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

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special Instructions section of the below referenced PMI document.

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

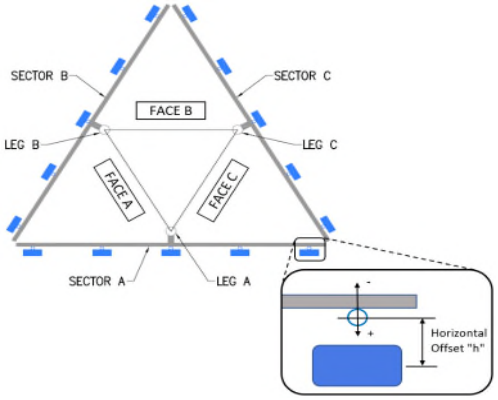
V4.0 Updated on 3-31-2021

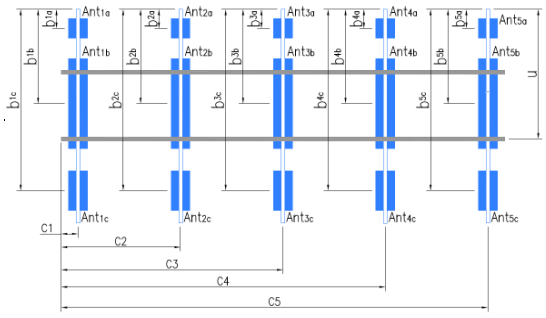
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Town of Fairfield	**Mapping Date:**	4/18/2021
Site Name:	Fairfield 2	**Tower Type:**	Monopole
Site Number or ID:	16244167	**Tower Height (Ft.):**	152
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	83

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	53.00	9.00	C1	2-3/8x .15x 72	53.50	9.00
A2	2-3/8x .15x 72	52.50	33.65	C2	2-3/8x .15x 72	53.25	32.88
A3	2-3/8x .15x 72	52.50	133.90	C3	2-3/8x .15x 72	53.00	136.38
A4	2-3/8x .15x 72	53.50	158.53	C4	2-3/8x .15x 72	53.00	159.63
A5				C5			
A6				C6			
B1	2-3/8x .15x 72	53.00	9.00	D1			
B2	2-3/8x .15x 72	53.00	33.00	D2			
B3	2-3/8x .15x 72	53.00	134.75	D3			
B4	2-3/8x .15x 72	53.00	159.38	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. :	20.63
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

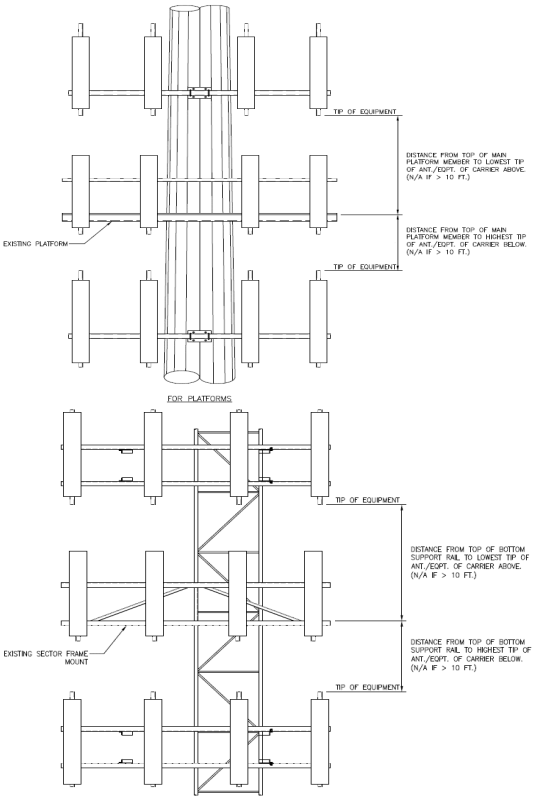
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	35
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	rt4401-48a	8.50	4.50	14.00	jumpers	81.9063	45.50	9.25	20.00	22
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	2) 1-5/8" T	83.0729	31.00	8.75	20.00	22
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	rfvo1u-d2a	15.75	10.00	15.50	jumpers	83.4271	26.75	-8.50	20.00	22
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumpers	82.7188	36.25	13.50	20.00	22
Ant_{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumpers	83.5104	26.75	-8.25	20.00	22
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

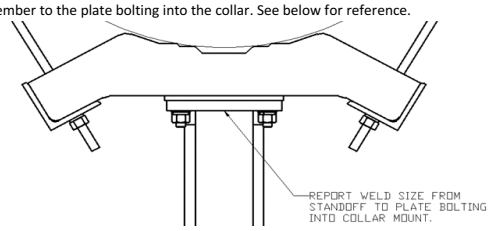
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	205.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	rt4401-48a	8.50	4.50	14.00	jumpers	82.0729	43.50	8.75	140.00	27
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	?) 1-5/8" T	83.0104	32.25	8.75	140.00	27
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	rfvo1u-d2a	15.75	10.00	15.50	jumpers	83.3854	27.75	-8.25	140.00	27
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumpers	82.6771	36.25	13.50	140.00	27
Ant_{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumpers	83.4688	26.75	-9.00	140.00	27
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	rt4401-48a	8.50	4.50	14.00	jumpers	82.2813	41.50	9.25	260.00	32
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	bxa-70063-6cf-edin2	11.00	4.50	71.00	?) 1-5/8" T	83.0104	32.50	8.75	260.00	32
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	rfvo1u-d2a	15.75	10.00	15.50	jumpers	83.3854	27.75	-8.00	260.00	32
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	(2) jahh-65b-r3b	14.00	8.50	72.50	jumpers	82.6771	36.25	13.75	260.00	32
Ant_{4c}	rfvo1u-d1a	16.00	12.00	15.50	jumpers	83.4271	27.25	-9.00	260.00	32
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		
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	
Lighting Technology:		Photo #			
Elevation (AGL) at base of light (Ft.):		Photo #			
Is a service loop available?		Photo #			
Is beacon installed on an extension?		Photo #			

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.

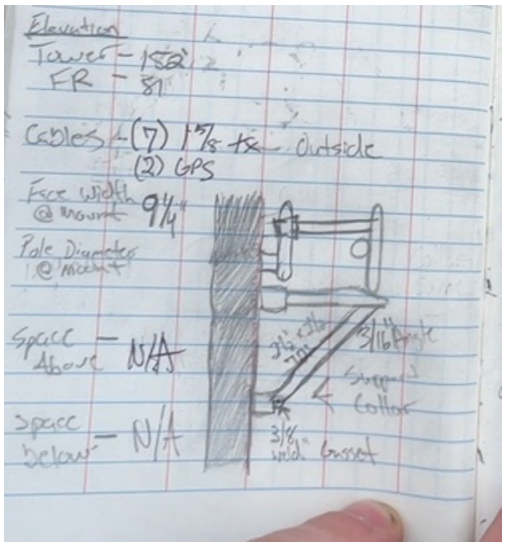
V4.0 Updated on 3-31-2021

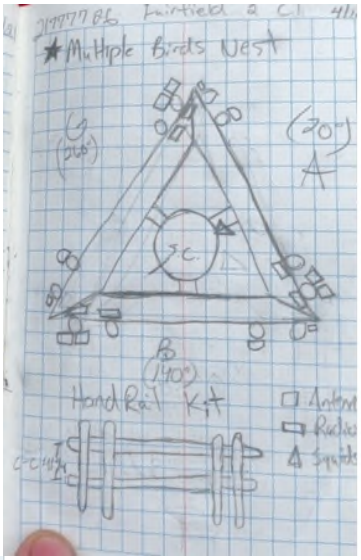
Antenna Mount Mapping Form (PATENT PENDING)

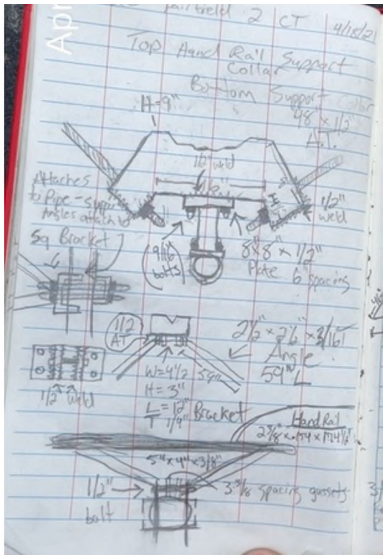
FCC #

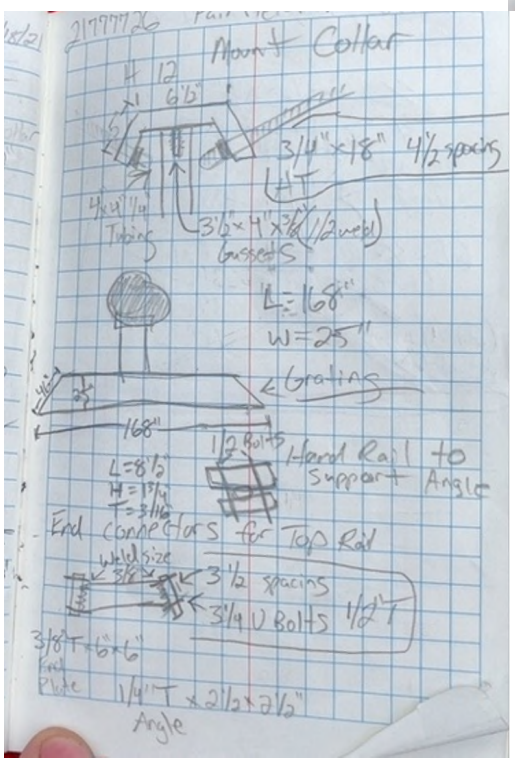
Tower Owner:	Town of Fairfield	**Mapping Date:**	4/18/2021
Site Name:	Fairfield 2	**Tower Type:**	Monopole
Site Number or ID:	16244167	**Tower Height (Ft.):**	152
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	83

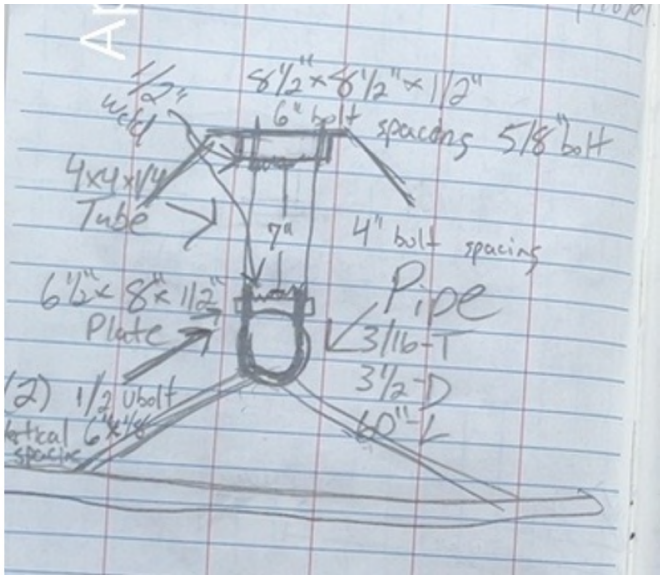
Please Insert Sketches of the Antenna Mount

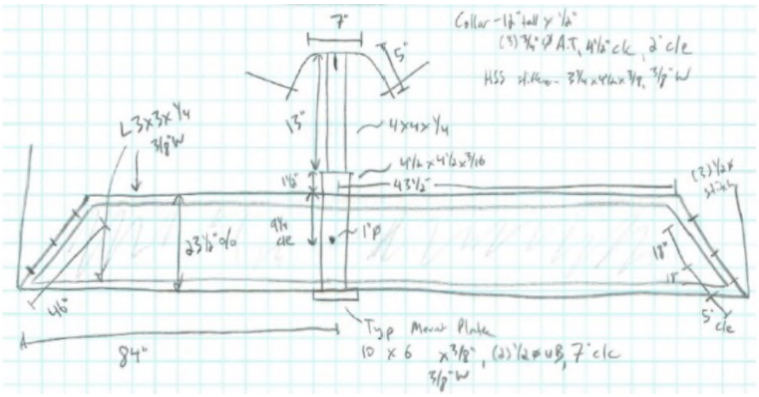


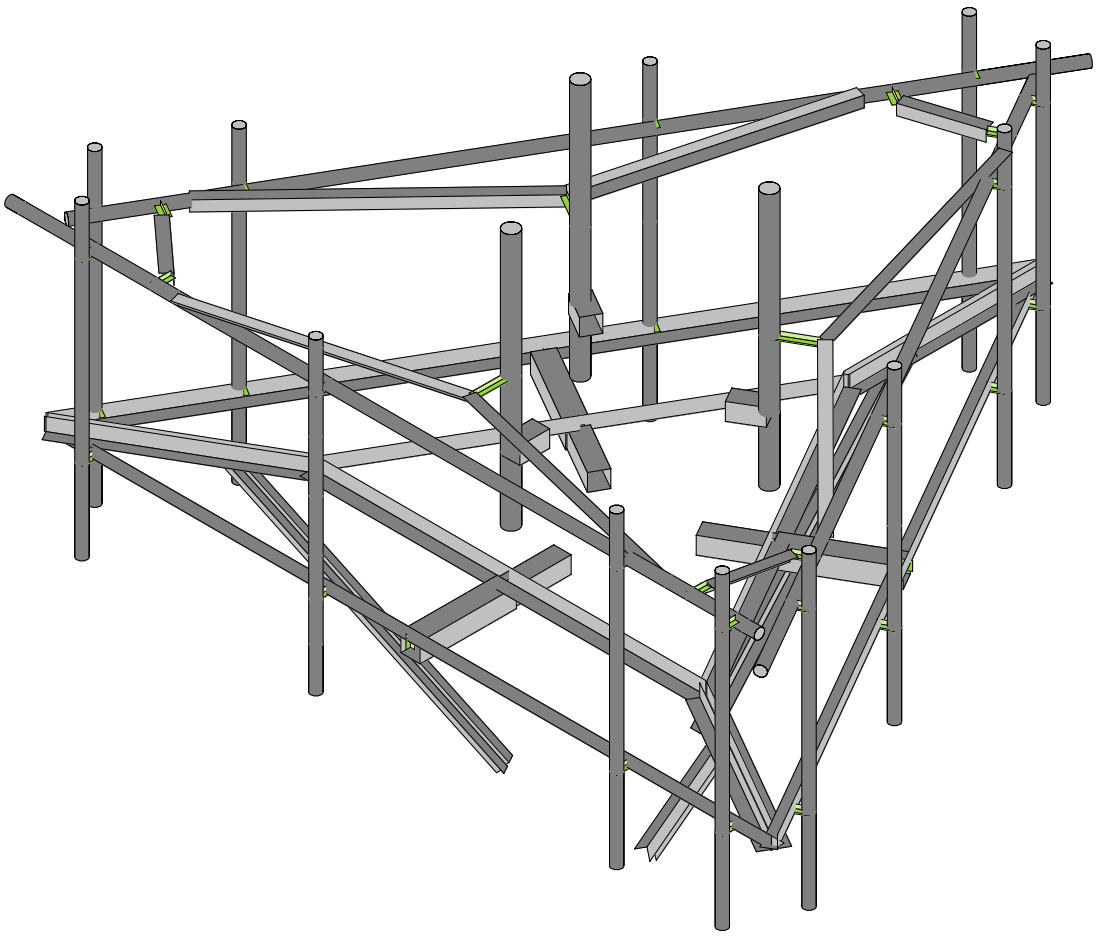




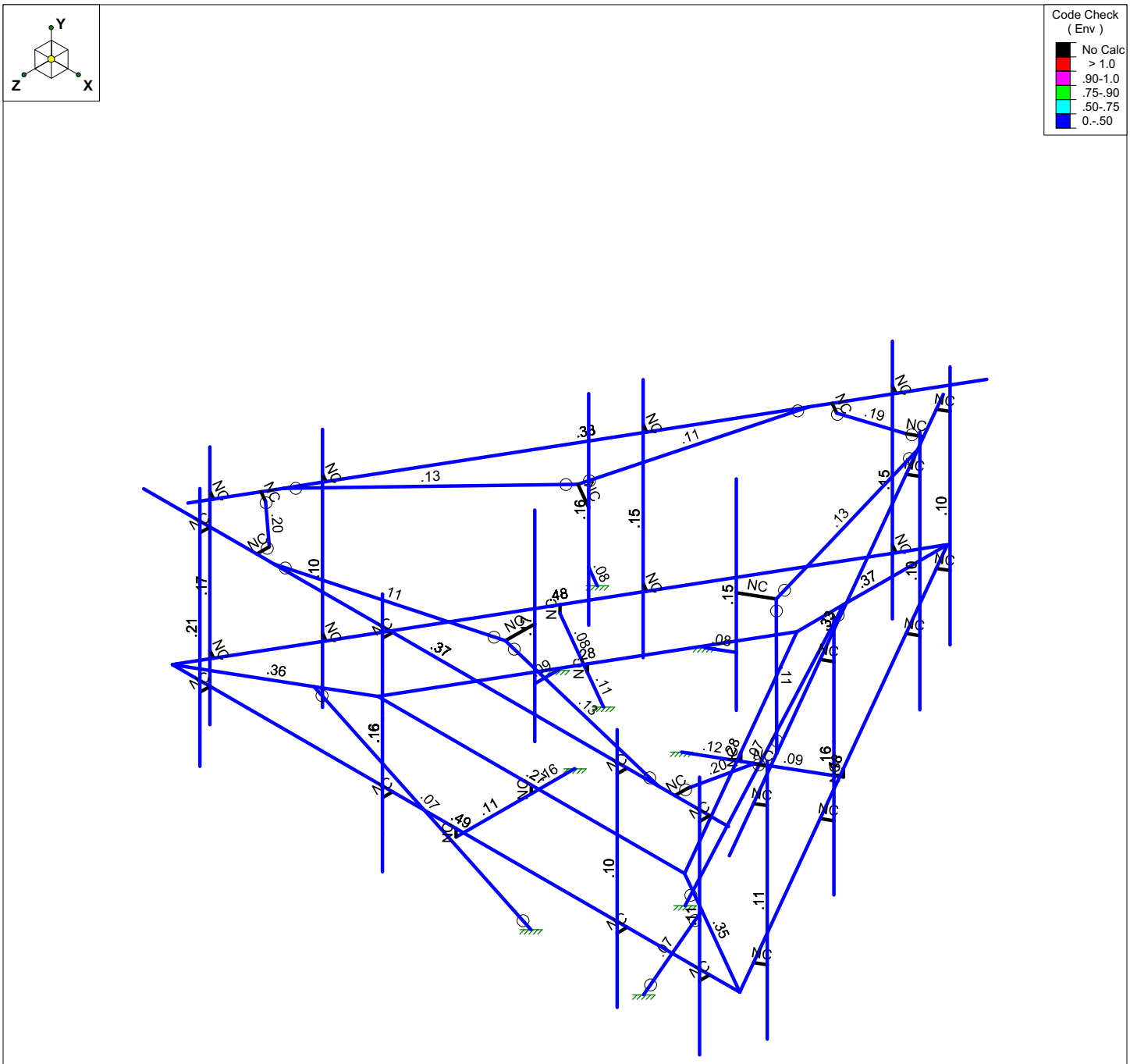






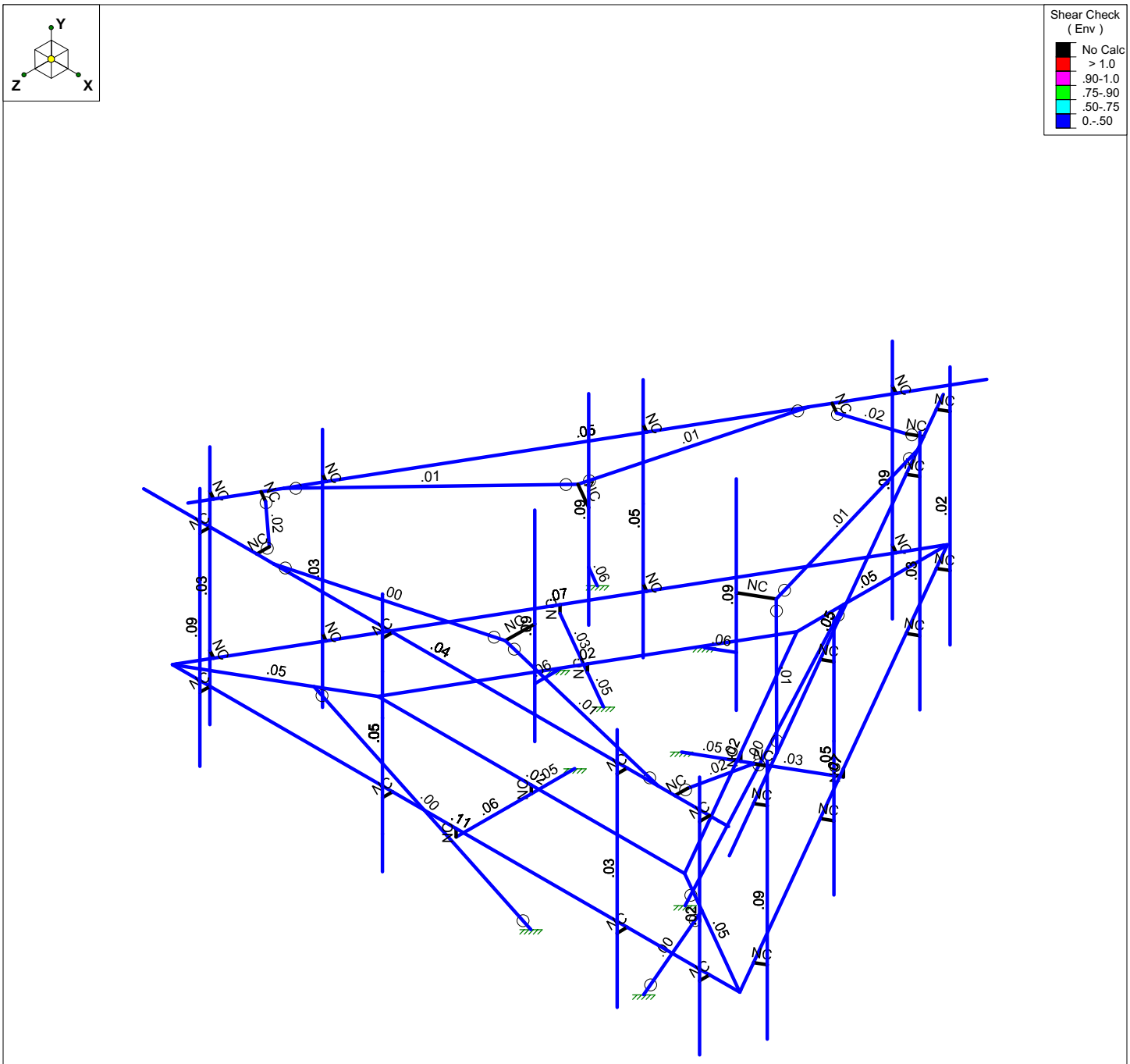


		SK - 1
		Oct 15, 2021 at 12:49 PM
		467147-VZW_MT_LO_H_FINAL.r3d



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

		SK - 2
		Oct 15, 2021 at 12:49 PM
		467147-VZW_MT_LO_H_FINAL.r3d



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

		SK - 3
		Oct 15, 2021 at 12:49 PM
		467147-VZW_MT_LO_H_FINAL.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					108			
2	Antenna Di	None					108			
3	Antenna Wo (0 Deg)	None					108			
4	Antenna Wo (30 Deg)	None					108			
5	Antenna Wo (60 Deg)	None					108			
6	Antenna Wo (90 Deg)	None					108			
7	Antenna Wo (120 Deg)	None					108			
8	Antenna Wo (150 Deg)	None					108			
9	Antenna Wo (180 Deg)	None					108			
10	Antenna Wo (210 Deg)	None					108			
11	Antenna Wo (240 Deg)	None					108			
12	Antenna Wo (270 Deg)	None					108			
13	Antenna Wo (300 Deg)	None					108			
14	Antenna Wo (330 Deg)	None					108			
15	Antenna Wi (0 Deg)	None					108			
16	Antenna Wi (30 Deg)	None					108			
17	Antenna Wi (60 Deg)	None					108			
18	Antenna Wi (90 Deg)	None					108			
19	Antenna Wi (120 Deg)	None					108			
20	Antenna Wi (150 Deg)	None					108			
21	Antenna Wi (180 Deg)	None					108			
22	Antenna Wi (210 Deg)	None					108			
23	Antenna Wi (240 Deg)	None					108			
24	Antenna Wi (270 Deg)	None					108			
25	Antenna Wi (300 Deg)	None					108			
26	Antenna Wi (330 Deg)	None					108			
27	Antenna Wm (0 Deg)	None					108			
28	Antenna Wm (30 Deg)	None					108			
29	Antenna Wm (60 Deg)	None					108			
30	Antenna Wm (90 Deg)	None					108			
31	Antenna Wm (120 Deg)	None					108			
32	Antenna Wm (150 Deg)	None					108			
33	Antenna Wm (180 Deg)	None					108			
34	Antenna Wm (210 Deg)	None					108			
35	Antenna Wm (240 Deg)	None					108			
36	Antenna Wm (270 Deg)	None					108			
37	Antenna Wm (300 Deg)	None					108			
38	Antenna Wm (330 Deg)	None					108			
39	Structure D	None		-1					3	
40	Structure Di	None						48	3	
41	Structure Wo (0 Deg)	None						96		
42	Structure Wo (30 Deg)	None						96		
43	Structure Wo (60 Deg)	None						96		
44	Structure Wo (90 Deg)	None						96		
45	Structure Wo (120 D...	None						96		
46	Structure Wo (150 D...	None						96		
47	Structure Wo (180 D...	None						96		
48	Structure Wo (210 D...	None						96		
49	Structure Wo (240 D...	None						96		
50	Structure Wo (270 D...	None						96		
51	Structure Wo (300 D...	None						96		
52	Structure Wo (330 D...	None						96		
53	Structure Wi (0 Deg)	None						96		
54	Structure Wi (30 Deg)	None						96		
55	Structure Wi (60 Deg)	None						96		
56	Structure Wi (90 Deg)	None						96		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						96		
58	Structure Wi (150 De...	None						96		
59	Structure Wi (180 De...	None						96		
60	Structure Wi (210 De...	None						96		
61	Structure Wi (240 De...	None						96		
62	Structure Wi (270 De...	None						96		
63	Structure Wi (300 De...	None						96		
64	Structure Wi (330 De...	None						96		
65	Structure Wm (0 Deg)	None						96		
66	Structure Wm (30 De...	None						96		
67	Structure Wm (60 De...	None						96		
68	Structure Wm (90 De...	None						96		
69	Structure Wm (120 D...	None						96		
70	Structure Wm (150 D...	None						96		
71	Structure Wm (180 D...	None						96		
72	Structure Wm (210 D...	None						96		
73	Structure Wm (240 D...	None						96		
74	Structure Wm (270 D...	None						96		
75	Structure Wm (300 D...	None						96		
76	Structure Wm (330 D...	None						96		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					108			
82	Antenna Eh (0 Deg)	None					72			
83	Antenna Eh (90 Deg)	None					72			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ	-.03							
86	Structure Eh (90 Deg)	ELX			.03					
87	BLC 39 Transient Are...	None						15		
88	BLC 40 Transient Are...	None						15		

Load Combinations

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)		Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 De...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 De...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 D...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 D...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	4.083583	0	
2	N7A	-0.	-0.1875	0.000002	0	
3	N8	-0.	0	-6.583827	0	
4	N10	-4.835736	0	2.791914	0	
5	N12	4.835736	0	2.791914	0	
6	N14	0	-0.1875	4.083583	0	
7	N15	0.	-0.1875	2.791914	0	
8	N16	0.	-0.1875	1.125247	0	
9	N23	6.322975	0	4.083583	0	
10	N27	6.322975	0	4.333583	0	
11	N31	6.791667	3.4375	4.083583	0	
12	N32	-7.791667	3.4375	4.083583	0	
13	N33	6.322975	3.4375	4.083583	0	
14	N37	6.322975	3.4375	4.333583	0	
15	N41	6.322975	4.395833	4.333583	0	
16	N42	6.322975	-1.604167	4.333583	0	
17	N101	-7.541667	3.4375	4.083583	0	
18	N102	6.541667	3.4375	4.083583	0	
19	N115	0	0	2.00025	0	
20	N118	0.	0	2.20858	0	
21	N119	0.	-0.1875	2.20858	0	
22	N109B	3.536487	0	-2.041792	0	
23	N111B	3.536487	-0.1875	-2.041792	0	
24	N112B	0.974492	-0.1875	-0.562624	0	
25	N113A	0.036487	0	-8.103969	0	
26	N114A	7.036487	0	4.020386	0	
27	N117A	1.912687	0	-1.10429	0	
28	N118A	1.912687	-0.1875	-1.10429	0	
29	N119A	-3.536487	0	-2.041792	0	
30	N121	-3.536487	-0.1875	-2.041792	0	
31	N122	-0.974492	-0.1875	-0.562624	0	
32	N123	-7.036487	0	4.020386	0	
33	N124	-0.036487	0	-8.103969	0	
34	N127	-1.912687	0	-1.10429	0	
35	N128	-1.912687	-0.1875	-1.10429	0	
36	N127A	3.825373	0	2.20858	0	
37	N128A	-3.825373	0	2.20858	0	
38	N129	-0.	0	-4.417161	0	
39	N125	7.072974	0	4.083583	0	
40	N126	-7.072974	0	4.083583	0	
41	N127B	-0.	0	-8.167167	0	
42	N42A	4.268808	0	4.083583	0	
43	N43	4.268808	0	4.333583	0	
44	N44	4.268808	3.4375	4.083583	0	
45	N45	4.268808	3.4375	4.333583	0	
46	N46	4.268808	4.395833	4.333583	0	
47	N47	4.268808	-1.604167	4.333583	0	
48	N48	-1.585358	0	4.083583	0	
49	N49	-1.585358	0	4.333583	0	
50	N50	-1.585358	3.4375	4.083583	0	
51	N51	-1.585358	3.4375	4.333583	0	
52	N52	-1.585358	4.395833	4.333583	0	
53	N53	-1.585358	-1.604167	4.333583	0	
54	N54	-6.137858	0	4.083583	0	
55	N55	-6.137858	0	4.333583	0	
56	N56	-6.137858	3.4375	4.083583	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N57	-6.137858	3.4375	4.333583	0	
58	N58	-6.137858	4.395833	4.333583	0	
59	N59	-6.137858	-1.604167	4.333583	0	
60	N60	0.374999	0	-7.517649	0	
61	N61	0.591506	0	-7.642649	0	
62	N62	0.140654	3.4375	-7.923548	0	
63	N63	7.43232	3.4375	4.70599	0	
64	N64	0.374999	3.4375	-7.517649	0	
65	N65	0.591506	3.4375	-7.642649	0	
66	N66	0.591506	4.395833	-7.642649	0	
67	N67	0.591506	-1.604167	-7.642649	0	
68	N68	1.402083	0	-5.738688	0	
69	N69	1.618589	0	-5.863688	0	
70	N70	1.402083	3.4375	-5.738688	0	
71	N71	1.618589	3.4375	-5.863688	0	
72	N72	1.618589	4.395833	-5.863688	0	
73	N73	1.618589	-1.604167	-5.863688	0	
74	N80	6.605416	0	3.27375	0	
75	N81	6.821922	0	3.14875	0	
76	N82	6.605416	3.4375	3.27375	0	
77	N83	6.821922	3.4375	3.14875	0	
78	N84	6.821922	4.395833	3.14875	0	
79	N85	6.821922	-1.604167	3.14875	0	
80	N86	-6.697974	0	3.434065	0	
81	N87	-6.914481	0	3.309065	0	
82	N88	-6.93232	3.4375	3.839964	0	
83	N89	0.359346	3.4375	-8.789573	0	
84	N90	-6.697974	3.4375	3.434065	0	
85	N91	-6.914481	3.4375	3.309065	0	
86	N92	-6.914481	4.395833	3.309065	0	
87	N93	-6.914481	-1.604167	3.309065	0	
88	N94	-5.670891	0	1.655105	0	
89	N95	-5.887397	0	1.530105	0	
90	N96	-5.670891	3.4375	1.655105	0	
91	N97	-5.887397	3.4375	1.530105	0	
92	N98	-5.887397	4.395833	1.530105	0	
93	N99	-5.887397	-1.604167	1.530105	0	
94	N106	-0.467558	0	-7.357333	0	
95	N107	-0.684064	0	-7.482333	0	
96	N108	-0.467558	3.4375	-7.357333	0	
97	N109	-0.684064	3.4375	-7.482333	0	
98	N110	-0.684064	4.395833	-7.482333	0	
99	N111	-0.684064	-1.604167	-7.482333	0	
100	N112	-4.971192	3.4375	4.083583	0	
101	N113	5.458333	3.4375	4.083583	0	
102	N114	5.041667	3.4375	4.083583	0	
103	N115A	-4.545	3.4375	4.083583	0	
104	N117	6.022083	3.4375	2.263387	0	
105	N118B	0.80732	3.4375	-6.768847	0	
106	N119B	1.015654	3.4375	-6.408003	0	
107	N120	5.808987	3.4375	1.894294	0	
108	N122A	-1.050891	3.4375	-6.34697	0	
109	N123A	-6.265654	3.4375	2.685264	0	
110	N124A	-6.05732	3.4375	2.32442	0	
111	N125A	-1.263987	3.4375	-5.977877	0	
112	N124B	-4.971192	3.4375	3.771083	0	
113	N125B	5.458333	3.4375	3.771083	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N129A	5.75145	3.4375	2.419637	0	
115	N130	0.536687	3.4375	-6.612597	0	
116	N134	-0.780258	3.4375	-6.19072	0	
117	N135	-5.995021	3.4375	2.841514	0	
118	N130A	0.	2.145833	1.541914	0	
119	N131	0.	2.145833	2.125247	0	
120	N132	0.	0.895833	2.125247	0	
121	N133	0.	5.895833	2.125247	0	
122	N134A	0.	3.4375	2.125247	0	
123	N135A	0.	3.4375	2.854414	0	
124	N139	1.335336	2.145833	-0.770957	0	
125	N140	1.840518	2.145833	-1.062624	0	
126	N141	1.840518	0.895833	-1.062624	0	
127	N142	1.840518	5.895833	-1.062624	0	
128	N143	1.840518	3.4375	-1.062624	0	
129	N144	2.471995	3.4375	-1.427207	0	
130	N148	-1.335336	2.145833	-0.770957	0	
131	N149	-1.840518	2.145833	-1.062624	0	
132	N150	-1.840518	0.895833	-1.062624	0	
133	N151	-1.840518	5.895833	-1.062624	0	
134	N152	-1.840518	3.4375	-1.062624	0	
135	N153	-2.471995	3.4375	-1.427207	0	
136	N148A	-0.	-4.520833	-1.625243	0	
137	N151A	-1.407503	-4.520833	0.812625	0	
138	N153A	0.000002	0	-5.583824	0	
139	N154	1.407503	-4.520833	0.812625	0	
140	N152A	-1.585358	1.719167	4.333583	0	
141	N142A	4.329164	0	-0.668828	0	
142	N143A	4.545671	0	-0.793828	0	
143	N144A	4.329164	3.4375	-0.668828	0	
144	N145	4.545671	3.4375	-0.793828	0	
145	N146	4.545671	4.395833	-0.793828	0	
146	N147	4.545671	-1.604167	-0.793828	0	
147	N148B	4.545671	1.719167	-0.793828	0	
148	N150A	-2.743806	0	-3.414749	0	
149	N151B	-2.960312	0	-3.539749	0	
150	N152B	-2.743806	3.4375	-3.414749	0	
151	N153B	-2.960312	3.4375	-3.539749	0	
152	N154A	-2.960312	4.395833	-3.539749	0	
153	N155	-2.960312	-1.604167	-3.539749	0	
154	N156	-2.960312	1.719167	-3.539749	0	
155	N155A	-1.585358	3.469167	4.333583	0	
156	N156A	-1.585358	-0.030833	4.333583	0	
157	N157	-1.585358	2.719167	4.333583	0	
158	N158	-1.585358	0.719167	4.333583	0	
159	N159	-1.585358	4.215833	4.333583	0	
160	N160	-1.585358	-0.784167	4.333583	0	
161	N161	-1.585358	1.715833	4.333583	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE_2.0	Beam	None	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal ...	HSS4.5X4.5X3	Beam	None	A500 Gr. B 46	Typical	2.93	9.02	9.02	14.4
4	Standoff Horizontal ...	HSS4X4X4	Beam	None	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
5	V-kit HSS	HSS4X4X4	Beam	None	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
6	Face Horizontal	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Standoff Angle	L3X3X4	Beam	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Kicker	LL2.5x2.5x3x3	Beam	None	A36 Gr.36	Typical	1.8	2.46	1.07	.023
9	V-brace Kit	L2.5x2.5x3	Beam	None	A36 Gr.36	Typical	.901	.535	.535	.011
10	Mast Pipe	PIPE_3.0	Beam	None	A36 Gr.36	Typical	2.07	2.85	2.85	5.69
11	Support Rail Corner...	L2.5x2.5x4	Beam	None	A36 Gr.36	Typical	1.19	.692	.692	.026
12	Standoff Double An...	LL3x3x4x0	Beam	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N126	N125		270	Face Horizontal	Beam	None	A36 Gr.36	Typical
2	M7	N128A	N127A			Standoff Angle	Beam	None	A36 Gr.36	Typical
3	M10	N1	N14			RIGID	None	None	RIGID	Typical
4	M12	N14	N119			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
5	M13	N119	N16			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
6	M25	N23	N27			RIGID	None	None	RIGID	Typical
7	M26	N31	N32			Support Rail	Beam	None	A53 Gr. B	Typical
8	M30	N33	N37			RIGID	None	None	RIGID	Typical
9	MP1A	N41	N42			Mount Pipe	Beam	None	A53 Gr. B	Typical
10	M71	N118	N119			RIGID	None	None	RIGID	Typical
11	M57	N109B	N111B		240	RIGID	None	None	RIGID	Typical
12	M58A	N111B	N118A			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
13	M59A	N118A	N112B			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
14	M61B	N117A	N118A		240	RIGID	None	None	RIGID	Typical
15	M63B	N119A	N121		120	RIGID	None	None	RIGID	Typical
16	M64B	N121	N128			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
17	M65B	N128	N122			Standoff Horiz...	Beam	None	A500 Gr. ...	Typical
18	M67A	N127	N128		120	RIGID	None	None	RIGID	Typical
19	M65C	N127A	N129			Standoff Angle	Beam	None	A36 Gr.36	Typical
20	M66A	N129	N128A			Standoff Angle	Beam	None	A36 Gr.36	Typical
21	M65D	N127B	N125		360	Face Horizontal	Beam	None	A36 Gr.36	Typical
22	M66B	N126	N127B		360	Face Horizontal	Beam	None	A36 Gr.36	Typical
23	M23	N42A	N43			RIGID	None	None	RIGID	Typical
24	M24	N44	N45			RIGID	None	None	RIGID	Typical
25	MP2A	N46	N47			Mount Pipe	Beam	None	A53 Gr. B	Typical
26	M26A	N48	N49			RIGID	None	None	RIGID	Typical
27	M27	N50	N51			RIGID	None	None	RIGID	Typical
28	MP3A	N52	N53			Mount Pipe	Beam	None	A53 Gr. B	Typical
29	M29	N54	N55			RIGID	None	None	RIGID	Typical
30	M30A	N56	N57			RIGID	None	None	RIGID	Typical
31	MP4A	N58	N59			Mount Pipe	Beam	None	A53 Gr. B	Typical
32	M32	N60	N61			RIGID	None	None	RIGID	Typical
33	M33	N62	N63			Support Rail	Beam	None	A53 Gr. B	Typical
34	M34	N64	N65			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
35	MP1C	N66	N67		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
36	M36	N68	N69			RIGID	None	None	RIGID	Typical
37	M37	N70	N71			RIGID	None	None	RIGID	Typical
38	MP2C	N72	N73		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
39	M42	N80	N81			RIGID	None	None	RIGID	Typical
40	M43	N82	N83			RIGID	None	None	RIGID	Typical
41	MP4C	N84	N85		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
42	M45	N86	N87			RIGID	None	None	RIGID	Typical
43	M46	N88	N89			Support Rail	Beam	None	A53 Gr. B	Typical
44	M47	N90	N91			RIGID	None	None	RIGID	Typical
45	MP1B	N92	N93		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
46	M49	N94	N95			RIGID	None	None	RIGID	Typical
47	M50	N96	N97			RIGID	None	None	RIGID	Typical
48	MP2B	N98	N99		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
49	M55	N106	N107			RIGID	None	None	RIGID	Typical
50	M56	N108	N109			RIGID	None	None	RIGID	Typical
51	MP4B	N110	N111		120	Mount Pipe	Beam	None	A53 Gr. B	Typical
52	M58	N126	N128A		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
53	M59	N125	N127A		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
54	M60	N127B	N129		180	Standoff Doubl...	Beam	None	A36 Gr.36	Typical
55	M61	N113	N125B			RIGID	None	None	RIGID	Typical
56	M62	N112	N124B			RIGID	None	None	RIGID	Typical
57	M63	N118B	N130			RIGID	None	None	RIGID	Typical
58	M64	N117	N129A			RIGID	None	None	RIGID	Typical
59	M65	N123A	N135			RIGID	None	None	RIGID	Typical
60	M66	N122A	N134			RIGID	None	None	RIGID	Typical
61	M67	N124B	N135		180	Support Rail C...	Beam	None	A36 Gr.36	Typical
62	M68	N129A	N125B		180	Support Rail C...	Beam	None	A36 Gr.36	Typical
63	M69	N134	N130		180	Support Rail C...	Beam	None	A36 Gr.36	Typical
64	M70	N131	N130A			V-kit HSS	Beam	None	A500 Gr. ...	Typical
65	M71A	N133	N132			Mast Pipe	Beam	None	A36 Gr.36	Typical
66	M72	N135A	N134A			RIGID	None	None	RIGID	Typical
67	M73	N115A	N135A		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
68	M74	N114	N135A		180	V-brace Kit	Beam	None	A36 Gr.36	Typical
69	M75	N140	N139			V-kit HSS	Beam	None	A500 Gr. ...	Typical
70	M76	N142	N141		240	Mast Pipe	Beam	None	A36 Gr.36	Typical
71	M77	N144	N143			RIGID	None	None	RIGID	Typical
72	M78	N120	N144		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
73	M79	N119B	N144		180	V-brace Kit	Beam	None	A36 Gr.36	Typical
74	M80	N149	N148			V-kit HSS	Beam	None	A500 Gr. ...	Typical
75	M81	N151	N150		120	Mast Pipe	Beam	None	A36 Gr.36	Typical
76	M82	N153	N152			RIGID	None	None	RIGID	Typical
77	M83	N125A	N153		90	V-brace Kit	Beam	None	A36 Gr.36	Typical
78	M84	N124A	N153		180	V-brace Kit	Beam	None	A36 Gr.36	Typical
79	M85	N10	N151A			Kicker	Beam	None	A36 Gr.36	Typical
80	M86	N12	N154			Kicker	Beam	None	A36 Gr.36	Typical
81	M87	N153A	N148A			Kicker	Beam	None	A36 Gr.36	Typical
82	M82A	N142A	N143A			RIGID	None	None	RIGID	Typical
83	M83A	N144A	N145			RIGID	None	None	RIGID	Typical
84	MP3C	N146	N147		240	Mount Pipe	Beam	None	A53 Gr. B	Typical
85	M85A	N150A	N151B			RIGID	None	None	RIGID	Typical
86	M86A	N152B	N153B			RIGID	None	None	RIGID	Typical
87	MP3B	N154A	N155		120	Mount Pipe	Beam	None	A53 Gr. B	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	14.146			Lbyy						Lateral
2	M7	Standoff An...	7.651			Lbyy						Lateral
3	M12	Standoff Ho...	1.875			Lbyy						Lateral
4	M13	Standoff Ho...	1.083			Lbyy						Lateral
5	M26	Support Rail	14.583			Lbyy						Lateral
6	MP1A	Mount Pipe	6			Lbyy						Lateral
7	M58A	Standoff Ho...	1.875			Lbyy						Lateral
8	M59A	Standoff Ho...	1.083			Lbyy						Lateral
9	M64B	Standoff Ho...	1.875			Lbyy						Lateral
10	M65B	Standoff Ho...	1.083			Lbyy						Lateral
11	M65C	Standoff An...	7.651			Lbyy						Lateral
12	M66A	Standoff An...	7.651			Lbyy						Lateral
13	M65D	Face Horizo...	14.146			Lbyy						Lateral
14	M66B	Face Horizo...	14.146			Lbyy						Lateral
15	MP2A	Mount Pipe	6			Lbyy						Lateral
16	MP3A	Mount Pipe	6			Lbyy						Lateral
17	MP4A	Mount Pipe	6			Lbyy						Lateral
18	M33	Support Rail	14.583			Lbyy						Lateral
19	MP1C	Mount Pipe	6			Lbyy						Lateral
20	MP2C	Mount Pipe	6			Lbyy						Lateral
21	MP4C	Mount Pipe	6			Lbyy						Lateral
22	M46	Support Rail	14.583			Lbyy						Lateral
23	MP1B	Mount Pipe	6			Lbyy						Lateral
24	MP2B	Mount Pipe	6			Lbyy						Lateral
25	MP4B	Mount Pipe	6			Lbyy						Lateral
26	M58	Standoff Do...	3.75			Lbyy						Lateral
27	M59	Standoff Do...	3.75			Lbyy						Lateral
28	M60	Standoff Do...	3.75			Lbyy						Lateral
29	M67	Support Rail...	1.383			Lbyy						Lateral
30	M68	Support Rail...	1.383			Lbyy						Lateral
31	M69	Support Rail...	1.383			Lbyy						Lateral
32	M70	V-kit HSS	.583			Lbyy						Lateral
33	M71A	Mast Pipe	5			Lbyy						Lateral
34	M73	V-brace Kit	4.708			Lbyy						Lateral
35	M74	V-brace Kit	5.189			Lbyy						Lateral
36	M75	V-kit HSS	.583			Lbyy						Lateral
37	M76	Mast Pipe	5			Lbyy						Lateral
38	M78	V-brace Kit	4.708			Lbyy						Lateral
39	M79	V-brace Kit	5.189			Lbyy						Lateral
40	M80	V-kit HSS	.583			Lbyy						Lateral
41	M81	Mast Pipe	5			Lbyy						Lateral
42	M83	V-brace Kit	4.708			Lbyy						Lateral
43	M84	V-brace Kit	5.189			Lbyy						Lateral
44	M85	Kicker	6.009			Lbyy						Lateral
45	M86	Kicker	6.009			Lbyy						Lateral
46	M87	Kicker	6.009			Lbyy						Lateral
47	MP3C	Mount Pipe	6			Lbyy						Lateral
48	MP3B	Mount Pipe	6			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-10.4	1.5
2	MP4A	My	.003	1.5
3	MP4A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP4B	Y	-10.4	1.5
5	MP4B	My	-.002	1.5
6	MP4B	Mz	.002	1.5
7	MP4C	Y	-10.4	1.5
8	MP4C	My	-.001	1.5
9	MP4C	Mz	-.002	1.5
10	MP4A	Y	-31.65	.93
11	MP4A	My	-.024	.93
12	MP4A	Mz	.021	.93
13	MP4A	Y	-31.65	4.43
14	MP4A	My	-.024	4.43
15	MP4A	Mz	.021	4.43
16	MP4B	Y	-31.65	.93
17	MP4B	My	-.000905	.93
18	MP4B	Mz	-.032	.93
19	MP4B	Y	-31.65	4.43
20	MP4B	My	-.000905	4.43
21	MP4B	Mz	-.032	4.43
22	MP4C	Y	-31.65	.93
23	MP4C	My	.03	.93
24	MP4C	Mz	.01	.93
25	MP4C	Y	-31.65	4.43
26	MP4C	My	.03	4.43
27	MP4C	Mz	.01	4.43
28	MP4A	Y	-31.65	.93
29	MP4A	My	-.024	.93
30	MP4A	Mz	-.021	.93
31	MP4A	Y	-31.65	4.43
32	MP4A	My	-.024	4.43
33	MP4A	Mz	-.021	4.43
34	MP4B	Y	-31.65	.93
35	MP4B	My	.031	.93
36	MP4B	Mz	-.005	.93
37	MP4B	Y	-31.65	4.43
38	MP4B	My	.031	4.43
39	MP4B	Mz	-.005	4.43
40	MP4C	Y	-31.65	.93
41	MP4C	My	-.006	.93
42	MP4C	Mz	.031	.93
43	MP4C	Y	-31.65	4.43
44	MP4C	My	-.006	4.43
45	MP4C	Mz	.031	4.43
46	MP3A	Y	-43.55	1.68
47	MP3A	My	-.018	1.68
48	MP3A	Mz	0	1.68
49	MP3A	Y	-43.55	3.68
50	MP3A	My	-.018	3.68
51	MP3A	Mz	0	3.68
52	MP3B	Y	-43.55	1.68
53	MP3B	My	.012	1.68
54	MP3B	Mz	-.014	1.68
55	MP3B	Y	-43.55	3.68
56	MP3B	My	.012	3.68
57	MP3B	Mz	-.014	3.68
58	MP3C	Y	-43.55	1.68
59	MP3C	My	.009	1.68
60	MP3C	Mz	.016	1.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3C	Y	-43.55	3.68
62	MP3C	My	.009	3.68
63	MP3C	Mz	.016	3.68
64	MP2A	Y	-8.5	.18
65	MP2A	My	-.004	.18
66	MP2A	Mz	0	.18
67	MP2A	Y	-8.5	5.18
68	MP2A	My	-.004	5.18
69	MP2A	Mz	0	5.18
70	MP2B	Y	-8.5	.18
71	MP2B	My	.002	.18
72	MP2B	Mz	-.003	.18
73	MP2B	Y	-8.5	5.18
74	MP2B	My	.002	5.18
75	MP2B	Mz	-.003	5.18
76	MP2C	Y	-8.5	.18
77	MP2C	My	.002	.18
78	MP2C	Mz	.003	.18
79	MP2C	Y	-8.5	5.18
80	MP2C	My	.002	5.18
81	MP2C	Mz	.003	5.18
82	MP1A	Y	-4.4	2.68
83	MP1A	My	-.001	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	-4.4	2.68
86	MP1B	My	.000943	2.68
87	MP1B	Mz	-.001	2.68
88	MP1C	Y	-4.4	2.68
89	MP1C	My	.000733	2.68
90	MP1C	Mz	.001	2.68
91	MP4A	Y	-84.4	2.68
92	MP4A	My	.042	2.68
93	MP4A	Mz	0	2.68
94	MP4B	Y	-84.4	2.68
95	MP4B	My	-.027	2.68
96	MP4B	Mz	.032	2.68
97	MP4C	Y	-84.4	2.68
98	MP4C	My	-.021	2.68
99	MP4C	Mz	-.037	2.68
100	MP2A	Y	-70.3	2.68
101	MP2A	My	.035	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	-70.3	2.68
104	MP2B	My	.035	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	-70.3	2.68
107	MP2C	My	.035	2.68
108	MP2C	Mz	0	2.68

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-9.998	1.5
2	MP4A	My	.002	1.5
3	MP4A	Mz	0	1.5
4	MP4B	Y	-9.998	1.5
5	MP4B	My	-.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4B	Mz	.002	1.5
7	MP4C	Y	-9.998	1.5
8	MP4C	My	-.001	1.5
9	MP4C	Mz	-.002	1.5
10	MP4A	Y	-65.738	.93
11	MP4A	My	-.049	.93
12	MP4A	Mz	.044	.93
13	MP4A	Y	-65.738	4.43
14	MP4A	My	-.049	4.43
15	MP4A	Mz	.044	4.43
16	MP4B	Y	-65.738	.93
17	MP4B	My	-.002	.93
18	MP4B	Mz	-.066	.93
19	MP4B	Y	-65.738	4.43
20	MP4B	My	-.002	4.43
21	MP4B	Mz	-.066	4.43
22	MP4C	Y	-65.738	.93
23	MP4C	My	.063	.93
24	MP4C	Mz	.021	.93
25	MP4C	Y	-65.738	4.43
26	MP4C	My	.063	4.43
27	MP4C	Mz	.021	4.43
28	MP4A	Y	-65.738	.93
29	MP4A	My	-.049	.93
30	MP4A	Mz	-.044	.93
31	MP4A	Y	-65.738	4.43
32	MP4A	My	-.049	4.43
33	MP4A	Mz	-.044	4.43
34	MP4B	Y	-65.738	.93
35	MP4B	My	.065	.93
36	MP4B	Mz	-.01	.93
37	MP4B	Y	-65.738	4.43
38	MP4B	My	.065	4.43
39	MP4B	Mz	-.01	4.43
40	MP4C	Y	-65.738	.93
41	MP4C	My	-.013	.93
42	MP4C	Mz	.065	.93
43	MP4C	Y	-65.738	4.43
44	MP4C	My	-.013	4.43
45	MP4C	Mz	.065	4.43
46	MP3A	Y	-33.434	1.68
47	MP3A	My	-.014	1.68
48	MP3A	Mz	0	1.68
49	MP3A	Y	-33.434	3.68
50	MP3A	My	-.014	3.68
51	MP3A	Mz	0	3.68
52	MP3B	Y	-33.434	1.68
53	MP3B	My	.009	1.68
54	MP3B	Mz	-.011	1.68
55	MP3B	Y	-33.434	3.68
56	MP3B	My	.009	3.68
57	MP3B	Mz	-.011	3.68
58	MP3C	Y	-33.434	1.68
59	MP3C	My	.007	1.68
60	MP3C	Mz	.012	1.68
61	MP3C	Y	-33.434	3.68
62	MP3C	My	.007	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3C	Mz	.012	3.68
64	MP2A	Y	-48.573	.18
65	MP2A	My	-.02	.18
66	MP2A	Mz	0	.18
67	MP2A	Y	-48.573	5.18
68	MP2A	My	-.02	5.18
69	MP2A	Mz	0	5.18
70	MP2B	Y	-48.573	.18
71	MP2B	My	.013	.18
72	MP2B	Mz	-.016	.18
73	MP2B	Y	-48.573	5.18
74	MP2B	My	.013	5.18
75	MP2B	Mz	-.016	5.18
76	MP2C	Y	-48.573	.18
77	MP2C	My	.01	.18
78	MP2C	Mz	.018	.18
79	MP2C	Y	-48.573	5.18
80	MP2C	My	.01	5.18
81	MP2C	Mz	.018	5.18
82	MP1A	Y	-12.526	2.68
83	MP1A	My	-.004	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	-12.526	2.68
86	MP1B	My	.003	2.68
87	MP1B	Mz	-.003	2.68
88	MP1C	Y	-12.526	2.68
89	MP1C	My	.002	2.68
90	MP1C	Mz	.004	2.68
91	MP4A	Y	-42.114	2.68
92	MP4A	My	.021	2.68
93	MP4A	Mz	0	2.68
94	MP4B	Y	-42.114	2.68
95	MP4B	My	-.014	2.68
96	MP4B	Mz	.016	2.68
97	MP4C	Y	-42.114	2.68
98	MP4C	My	-.011	2.68
99	MP4C	Mz	-.018	2.68
100	MP2A	Y	-37.856	2.68
101	MP2A	My	.019	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	-37.856	2.68
104	MP2B	My	.019	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	-37.856	2.68
107	MP2C	My	.019	2.68
108	MP2C	Mz	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-10.285	1.5
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	-8.425	1.5
6	MP4B	Mx	-.002	1.5
7	MP4C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4C	Z	-7.908	1.5
9	MP4C	Mx	.002	1.5
10	MP4A	X	0	.93
11	MP4A	Z	-126.613	.93
12	MP4A	Mx	-.084	.93
13	MP4A	X	0	4.43
14	MP4A	Z	-126.613	4.43
15	MP4A	Mx	-.084	4.43
16	MP4B	X	0	.93
17	MP4B	Z	-101.113	.93
18	MP4B	Mx	.101	.93
19	MP4B	X	0	4.43
20	MP4B	Z	-101.113	4.43
21	MP4B	Mx	.101	4.43
22	MP4C	X	0	.93
23	MP4C	Z	-94.022	.93
24	MP4C	Mx	-.03	.93
25	MP4C	X	0	4.43
26	MP4C	Z	-94.022	4.43
27	MP4C	Mx	-.03	4.43
28	MP4A	X	0	.93
29	MP4A	Z	-126.613	.93
30	MP4A	Mx	.084	.93
31	MP4A	X	0	4.43
32	MP4A	Z	-126.613	4.43
33	MP4A	Mx	.084	4.43
34	MP4B	X	0	.93
35	MP4B	Z	-101.113	.93
36	MP4B	Mx	.015	.93
37	MP4B	X	0	4.43
38	MP4B	Z	-101.113	4.43
39	MP4B	Mx	.015	4.43
40	MP4C	X	0	.93
41	MP4C	Z	-94.022	.93
42	MP4C	Mx	-.092	.93
43	MP4C	X	0	4.43
44	MP4C	Z	-94.022	4.43
45	MP4C	Mx	-.092	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	-65.322	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	-65.322	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	-41.997	1.68
54	MP3B	Mx	.013	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	-41.997	3.68
57	MP3B	Mx	.013	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	-35.511	1.68
60	MP3C	Mx	-.013	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	-35.511	3.68
63	MP3C	Mx	-.013	3.68
64	MP2A	X	0	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-105.21	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	-105.21	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	-77.383	.18
72	MP2B	Mx	.025	.18
73	MP2B	X	0	5.18
74	MP2B	Z	-77.383	5.18
75	MP2B	Mx	.025	5.18
76	MP2C	X	0	.18
77	MP2C	Z	-69.645	.18
78	MP2C	Mx	-.025	.18
79	MP2C	X	0	5.18
80	MP2C	Z	-69.645	5.18
81	MP2C	Mx	-.025	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	-24.739	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-13.068	2.68
87	MP1B	Mx	.003	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	-9.823	2.68
90	MP1C	Mx	-.003	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	-51.98	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	-41.866	2.68
96	MP4B	Mx	-.016	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	-39.054	2.68
99	MP4C	Mx	.017	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-51.98	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-51.98	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-51.98	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	4.746	1.5
2	MP4A	Z	-8.221	1.5
3	MP4A	Mx	.001	1.5
4	MP4B	X	3.606	1.5
5	MP4B	Z	-6.245	1.5
6	MP4B	Mx	-.002	1.5
7	MP4C	X	4.746	1.5
8	MP4C	Z	-8.221	1.5
9	MP4C	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP4A	X	57.875	.93
11	MP4A	Z	-100.242	.93
12	MP4A	Mx	-.11	.93
13	MP4A	X	57.875	4.43
14	MP4A	Z	-100.242	4.43
15	MP4A	Mx	-.11	4.43
16	MP4B	X	42.234	.93
17	MP4B	Z	-73.152	.93
18	MP4B	Mx	.072	.93
19	MP4B	X	42.234	4.43
20	MP4B	Z	-73.152	4.43
21	MP4B	Mx	.072	4.43
22	MP4C	X	57.875	.93
23	MP4C	Z	-100.242	.93
24	MP4C	Mx	.023	.93
25	MP4C	X	57.875	4.43
26	MP4C	Z	-100.242	4.43
27	MP4C	Mx	.023	4.43
28	MP4A	X	57.875	.93
29	MP4A	Z	-100.242	.93
30	MP4A	Mx	.023	.93
31	MP4A	X	57.875	4.43
32	MP4A	Z	-100.242	4.43
33	MP4A	Mx	.023	4.43
34	MP4B	X	42.234	.93
35	MP4B	Z	-73.152	.93
36	MP4B	Mx	.053	.93
37	MP4B	X	42.234	4.43
38	MP4B	Z	-73.152	4.43
39	MP4B	Mx	.053	4.43
40	MP4C	X	57.875	.93
41	MP4C	Z	-100.242	.93
42	MP4C	Mx	-.11	.93
43	MP4C	X	57.875	4.43
44	MP4C	Z	-100.242	4.43
45	MP4C	Mx	-.11	4.43
46	MP3A	X	27.692	1.68
47	MP3A	Z	-47.965	1.68
48	MP3A	Mx	-.012	1.68
49	MP3A	X	27.692	3.68
50	MP3A	Z	-47.965	3.68
51	MP3A	Mx	-.012	3.68
52	MP3B	X	13.386	1.68
53	MP3B	Z	-23.185	1.68
54	MP3B	Mx	.011	1.68
55	MP3B	X	13.386	3.68
56	MP3B	Z	-23.185	3.68
57	MP3B	Mx	.011	3.68
58	MP3C	X	27.692	1.68
59	MP3C	Z	-47.965	1.68
60	MP3C	Mx	-.012	1.68
61	MP3C	X	27.692	3.68
62	MP3C	Z	-47.965	3.68
63	MP3C	Mx	-.012	3.68
64	MP2A	X	46.678	.18
65	MP2A	Z	-80.848	.18
66	MP2A	Mx	-.019	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	46.678	5.18
68	MP2A	Z	-80.848	5.18
69	MP2A	Mx	-.019	5.18
70	MP2B	X	29.61	.18
71	MP2B	Z	-51.286	.18
72	MP2B	Mx	.024	.18
73	MP2B	X	29.61	5.18
74	MP2B	Z	-51.286	5.18
75	MP2B	Mx	.024	5.18
76	MP2C	X	46.678	.18
77	MP2C	Z	-80.848	.18
78	MP2C	Mx	-.019	.18
79	MP2C	X	46.678	5.18
80	MP2C	Z	-80.848	5.18
81	MP2C	Mx	-.019	5.18
82	MP1A	X	9.884	2.68
83	MP1A	Z	-17.119	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	2.726	2.68
86	MP1B	Z	-4.721	2.68
87	MP1B	Mx	.002	2.68
88	MP1C	X	9.884	2.68
89	MP1C	Z	-17.119	2.68
90	MP1C	Mx	-.003	2.68
91	MP4A	X	23.836	2.68
92	MP4A	Z	-41.284	2.68
93	MP4A	Mx	.012	2.68
94	MP4B	X	17.633	2.68
95	MP4B	Z	-30.541	2.68
96	MP4B	Mx	-.017	2.68
97	MP4C	X	23.836	2.68
98	MP4C	Z	-41.284	2.68
99	MP4C	Mx	.012	2.68
100	MP2A	X	23.01	2.68
101	MP2A	Z	-39.855	2.68
102	MP2A	Mx	.012	2.68
103	MP2B	X	23.01	2.68
104	MP2B	Z	-39.855	2.68
105	MP2B	Mx	.012	2.68
106	MP2C	X	23.01	2.68
107	MP2C	Z	-39.855	2.68
108	MP2C	Mx	.012	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.849	1.5
2	MP4A	Z	-3.954	1.5
3	MP4A	Mx	.002	1.5
4	MP4B	X	6.484	1.5
5	MP4B	Z	-3.743	1.5
6	MP4B	Mx	-.002	1.5
7	MP4C	X	8.907	1.5
8	MP4C	Z	-5.142	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	81.425	.93
11	MP4A	Z	-47.011	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4A	Mx	-.092	.93
13	MP4A	X	81.425	4.43
14	MP4A	Z	-47.011	4.43
15	MP4A	Mx	-.092	4.43
16	MP4B	X	76.419	.93
17	MP4B	Z	-44.121	.93
18	MP4B	Mx	.042	.93
19	MP4B	X	76.419	4.43
20	MP4B	Z	-44.121	4.43
21	MP4B	Mx	.042	4.43
22	MP4C	X	109.65	.93
23	MP4C	Z	-63.307	.93
24	MP4C	Mx	.084	.93
25	MP4C	X	109.65	4.43
26	MP4C	Z	-63.307	4.43
27	MP4C	Mx	.084	4.43
28	MP4A	X	81.425	.93
29	MP4A	Z	-47.011	.93
30	MP4A	Mx	-.03	.93
31	MP4A	X	81.425	4.43
32	MP4A	Z	-47.011	4.43
33	MP4A	Mx	-.03	4.43
34	MP4B	X	76.419	.93
35	MP4B	Z	-44.121	.93
36	MP4B	Mx	.082	.93
37	MP4B	X	76.419	4.43
38	MP4B	Z	-44.121	4.43
39	MP4B	Mx	.082	4.43
40	MP4C	X	109.65	.93
41	MP4C	Z	-63.307	.93
42	MP4C	Mx	-.084	.93
43	MP4C	X	109.65	4.43
44	MP4C	Z	-63.307	4.43
45	MP4C	Mx	-.084	4.43
46	MP3A	X	30.753	1.68
47	MP3A	Z	-17.755	1.68
48	MP3A	Mx	-.013	1.68
49	MP3A	X	30.753	3.68
50	MP3A	Z	-17.755	3.68
51	MP3A	Mx	-.013	3.68
52	MP3B	X	26.174	1.68
53	MP3B	Z	-15.112	1.68
54	MP3B	Mx	.012	1.68
55	MP3B	X	26.174	3.68
56	MP3B	Z	-15.112	3.68
57	MP3B	Mx	.012	3.68
58	MP3C	X	56.57	1.68
59	MP3C	Z	-32.661	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	56.57	3.68
62	MP3C	Z	-32.661	3.68
63	MP3C	Mx	0	3.68
64	MP2A	X	60.315	.18
65	MP2A	Z	-34.823	.18
66	MP2A	Mx	-.025	.18
67	MP2A	X	60.315	5.18
68	MP2A	Z	-34.823	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.025	5.18
70	MP2B	X	54.852	.18
71	MP2B	Z	-31.669	.18
72	MP2B	Mx	.025	.18
73	MP2B	X	54.852	5.18
74	MP2B	Z	-31.669	5.18
75	MP2B	Mx	.025	5.18
76	MP2C	X	91.115	.18
77	MP2C	Z	-52.605	.18
78	MP2C	Mx	0	.18
79	MP2C	X	91.115	5.18
80	MP2C	Z	-52.605	5.18
81	MP2C	Mx	0	5.18
82	MP1A	X	8.507	2.68
83	MP1A	Z	-4.912	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	6.216	2.68
86	MP1B	Z	-3.589	2.68
87	MP1B	Mx	.002	2.68
88	MP1C	X	21.425	2.68
89	MP1C	Z	-12.369	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	33.822	2.68
92	MP4A	Z	-19.527	2.68
93	MP4A	Mx	.017	2.68
94	MP4B	X	31.837	2.68
95	MP4B	Z	-18.381	2.68
96	MP4B	Mx	-.017	2.68
97	MP4C	X	45.016	2.68
98	MP4C	Z	-25.99	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	29.534	2.68
101	MP2A	Z	-17.051	2.68
102	MP2A	Mx	.015	2.68
103	MP2B	X	29.534	2.68
104	MP2B	Z	-17.051	2.68
105	MP2B	Mx	.015	2.68
106	MP2C	X	29.534	2.68
107	MP2C	Z	-17.051	2.68
108	MP2C	Mx	.015	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.116	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.002	1.5
4	MP4B	X	8.975	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	-.001	1.5
7	MP4C	X	9.493	1.5
8	MP4C	Z	0	1.5
9	MP4C	Mx	-.001	1.5
10	MP4A	X	83.158	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	-.062	.93
13	MP4A	X	83.158	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4A	Z	0	4.43
15	MP4A	Mx	-.062	4.43
16	MP4B	X	108.659	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	-.003	.93
19	MP4B	X	108.659	4.43
20	MP4B	Z	0	4.43
21	MP4B	Mx	-.003	4.43
22	MP4C	X	115.75	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	.11	.93
25	MP4C	X	115.75	4.43
26	MP4C	Z	0	4.43
27	MP4C	Mx	.11	4.43
28	MP4A	X	83.158	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	-.062	.93
31	MP4A	X	83.158	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	-.062	4.43
34	MP4B	X	108.659	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	.108	.93
37	MP4B	X	108.659	4.43
38	MP4B	Z	0	4.43
39	MP4B	Mx	.108	4.43
40	MP4C	X	115.75	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	-.023	.93
43	MP4C	X	115.75	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	-.023	4.43
46	MP3A	X	25.573	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	-.011	1.68
49	MP3A	X	25.573	3.68
50	MP3A	Z	0	3.68
51	MP3A	Mx	-.011	3.68
52	MP3B	X	48.899	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	.013	1.68
55	MP3B	X	48.899	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	.013	3.68
58	MP3C	X	55.385	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	.012	1.68
61	MP3C	X	55.385	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	.012	3.68
64	MP2A	X	57.79	.18
65	MP2A	Z	0	.18
66	MP2A	Mx	-.024	.18
67	MP2A	X	57.79	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	-.024	5.18
70	MP2B	X	85.617	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	0	.18
72	MP2B	Mx	.023	.18
73	MP2B	X	85.617	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	.023	5.18
76	MP2C	X	93.355	.18
77	MP2C	Z	0	.18
78	MP2C	Mx	.019	.18
79	MP2C	X	93.355	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	.019	5.18
82	MP1A	X	4.851	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-.002	2.68
85	MP1B	X	16.522	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.004	2.68
88	MP1C	X	19.767	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	.003	2.68
91	MP4A	X	34.746	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	.017	2.68
94	MP4B	X	44.859	2.68
95	MP4B	Z	0	2.68
96	MP4B	Mx	-.014	2.68
97	MP4C	X	47.671	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	-.012	2.68
100	MP2A	X	28.144	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	.014	2.68
103	MP2B	X	28.144	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.014	2.68
106	MP2C	X	28.144	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.014	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.849	1.5
2	MP4A	Z	3.954	1.5
3	MP4A	Mx	.002	1.5
4	MP4B	X	8.824	1.5
5	MP4B	Z	5.095	1.5
6	MP4B	Mx	-.000442	1.5
7	MP4C	X	6.849	1.5
8	MP4C	Z	3.954	1.5
9	MP4C	Mx	-.002	1.5
10	MP4A	X	81.425	.93
11	MP4A	Z	47.011	.93
12	MP4A	Mx	-.03	.93
13	MP4A	X	81.425	4.43
14	MP4A	Z	47.011	4.43
15	MP4A	Mx	-.03	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4B	X	108.516	.93
17	MP4B	Z	62.652	.93
18	MP4B	Mx	-.066	.93
19	MP4B	X	108.516	4.43
20	MP4B	Z	62.652	4.43
21	MP4B	Mx	-.066	4.43
22	MP4C	X	81.425	.93
23	MP4C	Z	47.011	.93
24	MP4C	Mx	.092	.93
25	MP4C	X	81.425	4.43
26	MP4C	Z	47.011	4.43
27	MP4C	Mx	.092	4.43
28	MP4A	X	81.425	.93
29	MP4A	Z	47.011	.93
30	MP4A	Mx	-.092	.93
31	MP4A	X	81.425	4.43
32	MP4A	Z	47.011	4.43
33	MP4A	Mx	-.092	4.43
34	MP4B	X	108.516	.93
35	MP4B	Z	62.652	.93
36	MP4B	Mx	.099	.93
37	MP4B	X	108.516	4.43
38	MP4B	Z	62.652	4.43
39	MP4B	Mx	.099	4.43
40	MP4C	X	81.425	.93
41	MP4C	Z	47.011	.93
42	MP4C	Mx	.03	.93
43	MP4C	X	81.425	4.43
44	MP4C	Z	47.011	4.43
45	MP4C	Mx	.03	4.43
46	MP3A	X	30.753	1.68
47	MP3A	Z	17.755	1.68
48	MP3A	Mx	-.013	1.68
49	MP3A	X	30.753	3.68
50	MP3A	Z	17.755	3.68
51	MP3A	Mx	-.013	3.68
52	MP3B	X	55.532	1.68
53	MP3B	Z	32.062	1.68
54	MP3B	Mx	.005	1.68
55	MP3B	X	55.532	3.68
56	MP3B	Z	32.062	3.68
57	MP3B	Mx	.005	3.68
58	MP3C	X	30.753	1.68
59	MP3C	Z	17.755	1.68
60	MP3C	Mx	.013	1.68
61	MP3C	X	30.753	3.68
62	MP3C	Z	17.755	3.68
63	MP3C	Mx	.013	3.68
64	MP2A	X	60.315	.18
65	MP2A	Z	34.823	.18
66	MP2A	Mx	-.025	.18
67	MP2A	X	60.315	5.18
68	MP2A	Z	34.823	5.18
69	MP2A	Mx	-.025	5.18
70	MP2B	X	89.876	.18
71	MP2B	Z	51.89	.18
72	MP2B	Mx	.008	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	89.876	5.18
74	MP2B	Z	51.89	5.18
75	MP2B	Mx	.008	5.18
76	MP2C	X	60.315	.18
77	MP2C	Z	34.823	.18
78	MP2C	Mx	.025	.18
79	MP2C	X	60.315	5.18
80	MP2C	Z	34.823	5.18
81	MP2C	Mx	.025	5.18
82	MP1A	X	8.507	2.68
83	MP1A	Z	4.912	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	20.905	2.68
86	MP1B	Z	12.07	2.68
87	MP1B	Mx	.001	2.68
88	MP1C	X	8.507	2.68
89	MP1C	Z	4.912	2.68
90	MP1C	Mx	.003	2.68
91	MP4A	X	33.822	2.68
92	MP4A	Z	19.527	2.68
93	MP4A	Mx	.017	2.68
94	MP4B	X	44.566	2.68
95	MP4B	Z	25.73	2.68
96	MP4B	Mx	-.004	2.68
97	MP4C	X	33.822	2.68
98	MP4C	Z	19.527	2.68
99	MP4C	Mx	-.017	2.68
100	MP2A	X	29.534	2.68
101	MP2A	Z	17.051	2.68
102	MP2A	Mx	.015	2.68
103	MP2B	X	29.534	2.68
104	MP2B	Z	17.051	2.68
105	MP2B	Mx	.015	2.68
106	MP2C	X	29.534	2.68
107	MP2C	Z	17.051	2.68
108	MP2C	Mx	.015	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	4.746	1.5
2	MP4A	Z	8.221	1.5
3	MP4A	Mx	.001	1.5
4	MP4B	X	4.957	1.5
5	MP4B	Z	8.586	1.5
6	MP4B	Mx	.000848	1.5
7	MP4C	X	3.558	1.5
8	MP4C	Z	6.163	1.5
9	MP4C	Mx	-.002	1.5
10	MP4A	X	57.875	.93
11	MP4A	Z	100.242	.93
12	MP4A	Mx	.023	.93
13	MP4A	X	57.875	4.43
14	MP4A	Z	100.242	4.43
15	MP4A	Mx	.023	4.43
16	MP4B	X	60.765	.93
17	MP4B	Z	105.248	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4B	Mx	-.107	.93
19	MP4B	X	60.765	4.43
20	MP4B	Z	105.248	4.43
21	MP4B	Mx	-.107	4.43
22	MP4C	X	41.579	.93
23	MP4C	Z	72.017	.93
24	MP4C	Mx	.062	.93
25	MP4C	X	41.579	4.43
26	MP4C	Z	72.017	4.43
27	MP4C	Mx	.062	4.43
28	MP4A	X	57.875	.93
29	MP4A	Z	100.242	.93
30	MP4A	Mx	-.11	.93
31	MP4A	X	57.875	4.43
32	MP4A	Z	100.242	4.43
33	MP4A	Mx	-.11	4.43
34	MP4B	X	60.765	.93
35	MP4B	Z	105.248	.93
36	MP4B	Mx	.045	.93
37	MP4B	X	60.765	4.43
38	MP4B	Z	105.248	4.43
39	MP4B	Mx	.045	4.43
40	MP4C	X	41.579	.93
41	MP4C	Z	72.017	.93
42	MP4C	Mx	.062	.93
43	MP4C	X	41.579	4.43
44	MP4C	Z	72.017	4.43
45	MP4C	Mx	.062	4.43
46	MP3A	X	27.692	1.68
47	MP3A	Z	47.965	1.68
48	MP3A	Mx	-.012	1.68
49	MP3A	X	27.692	3.68
50	MP3A	Z	47.965	3.68
51	MP3A	Mx	-.012	3.68
52	MP3B	X	30.336	1.68
53	MP3B	Z	52.544	1.68
54	MP3B	Mx	-.009	1.68
55	MP3B	X	30.336	3.68
56	MP3B	Z	52.544	3.68
57	MP3B	Mx	-.009	3.68
58	MP3C	X	12.787	1.68
59	MP3C	Z	22.147	1.68
60	MP3C	Mx	.011	1.68
61	MP3C	X	12.787	3.68
62	MP3C	Z	22.147	3.68
63	MP3C	Mx	.011	3.68
64	MP2A	X	46.678	.18
65	MP2A	Z	80.848	.18
66	MP2A	Mx	-.019	.18
67	MP2A	X	46.678	5.18
68	MP2A	Z	80.848	5.18
69	MP2A	Mx	-.019	5.18
70	MP2B	X	49.831	.18
71	MP2B	Z	86.311	.18
72	MP2B	Mx	-.014	.18
73	MP2B	X	49.831	5.18
74	MP2B	Z	86.311	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	-.014	5.18
76	MP2C	X	28.895	.18
77	MP2C	Z	50.048	.18
78	MP2C	Mx	.024	.18
79	MP2C	X	28.895	5.18
80	MP2C	Z	50.048	5.18
81	MP2C	Mx	.024	5.18
82	MP1A	X	9.884	2.68
83	MP1A	Z	17.119	2.68
84	MP1A	Mx	-.003	2.68
85	MP1B	X	11.206	2.68
86	MP1B	Z	19.41	2.68
87	MP1B	Mx	-.003	2.68
88	MP1C	X	2.426	2.68
89	MP1C	Z	4.201	2.68
90	MP1C	Mx	.002	2.68
91	MP4A	X	23.836	2.68
92	MP4A	Z	41.284	2.68
93	MP4A	Mx	.012	2.68
94	MP4B	X	24.982	2.68
95	MP4B	Z	43.27	2.68
96	MP4B	Mx	.009	2.68
97	MP4C	X	17.373	2.68
98	MP4C	Z	30.091	2.68
99	MP4C	Mx	-.017	2.68
100	MP2A	X	23.01	2.68
101	MP2A	Z	39.855	2.68
102	MP2A	Mx	.012	2.68
103	MP2B	X	23.01	2.68
104	MP2B	Z	39.855	2.68
105	MP2B	Mx	.012	2.68
106	MP2C	X	23.01	2.68
107	MP2C	Z	39.855	2.68
108	MP2C	Mx	.012	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	10.285	1.5
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	8.425	1.5
6	MP4B	Mx	.002	1.5
7	MP4C	X	0	1.5
8	MP4C	Z	7.908	1.5
9	MP4C	Mx	-.002	1.5
10	MP4A	X	0	.93
11	MP4A	Z	126.613	.93
12	MP4A	Mx	.084	.93
13	MP4A	X	0	4.43
14	MP4A	Z	126.613	4.43
15	MP4A	Mx	.084	4.43
16	MP4B	X	0	.93
17	MP4B	Z	101.113	.93
18	MP4B	Mx	-.101	.93
19	MP4B	X	0	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP4B	Z	101.113	4.43
21	MP4B	Mx	-.101	4.43
22	MP4C	X	0	.93
23	MP4C	Z	94.022	.93
24	MP4C	Mx	.03	.93
25	MP4C	X	0	4.43
26	MP4C	Z	94.022	4.43
27	MP4C	Mx	.03	4.43
28	MP4A	X	0	.93
29	MP4A	Z	126.613	.93
30	MP4A	Mx	-.084	.93
31	MP4A	X	0	4.43
32	MP4A	Z	126.613	4.43
33	MP4A	Mx	-.084	4.43
34	MP4B	X	0	.93
35	MP4B	Z	101.113	.93
36	MP4B	Mx	-.015	.93
37	MP4B	X	0	4.43
38	MP4B	Z	101.113	4.43
39	MP4B	Mx	-.015	4.43
40	MP4C	X	0	.93
41	MP4C	Z	94.022	.93
42	MP4C	Mx	.092	.93
43	MP4C	X	0	4.43
44	MP4C	Z	94.022	4.43
45	MP4C	Mx	.092	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	65.322	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	65.322	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	41.997	1.68
54	MP3B	Mx	-.013	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	41.997	3.68
57	MP3B	Mx	-.013	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	35.511	1.68
60	MP3C	Mx	.013	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	35.511	3.68
63	MP3C	Mx	.013	3.68
64	MP2A	X	0	.18
65	MP2A	Z	105.21	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	105.21	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	77.383	.18
72	MP2B	Mx	-.025	.18
73	MP2B	X	0	5.18
74	MP2B	Z	77.383	5.18
75	MP2B	Mx	-.025	5.18
76	MP2C	X	0	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	69.645	.18
78	MP2C	Mx	.025	.18
79	MP2C	X	0	5.18
80	MP2C	Z	69.645	5.18
81	MP2C	Mx	.025	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	24.739	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	13.068	2.68
87	MP1B	Mx	-.003	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	9.823	2.68
90	MP1C	Mx	.003	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	51.98	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	41.866	2.68
96	MP4B	Mx	.016	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	39.054	2.68
99	MP4C	Mx	-.017	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	51.98	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	51.98	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	51.98	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-4.746	1.5
2	MP4A	Z	8.221	1.5
3	MP4A	Mx	-.001	1.5
4	MP4B	X	-3.606	1.5
5	MP4B	Z	6.245	1.5
6	MP4B	Mx	.002	1.5
7	MP4C	X	-4.746	1.5
8	MP4C	Z	8.221	1.5
9	MP4C	Mx	-.001	1.5
10	MP4A	X	-57.875	.93
11	MP4A	Z	100.242	.93
12	MP4A	Mx	.11	.93
13	MP4A	X	-57.875	4.43
14	MP4A	Z	100.242	4.43
15	MP4A	Mx	.11	4.43
16	MP4B	X	-42.234	.93
17	MP4B	Z	73.152	.93
18	MP4B	Mx	-.072	.93
19	MP4B	X	-42.234	4.43
20	MP4B	Z	73.152	4.43
21	MP4B	Mx	-.072	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP4C	X	-57.875	.93
23	MP4C	Z	100.242	.93
24	MP4C	Mx	-.023	.93
25	MP4C	X	-57.875	4.43
26	MP4C	Z	100.242	4.43
27	MP4C	Mx	-.023	4.43
28	MP4A	X	-57.875	.93
29	MP4A	Z	100.242	.93
30	MP4A	Mx	-.023	.93
31	MP4A	X	-57.875	4.43
32	MP4A	Z	100.242	4.43
33	MP4A	Mx	-.023	4.43
34	MP4B	X	-42.234	.93
35	MP4B	Z	73.152	.93
36	MP4B	Mx	-.053	.93
37	MP4B	X	-42.234	4.43
38	MP4B	Z	73.152	4.43
39	MP4B	Mx	-.053	4.43
40	MP4C	X	-57.875	.93
41	MP4C	Z	100.242	.93
42	MP4C	Mx	.11	.93
43	MP4C	X	-57.875	4.43
44	MP4C	Z	100.242	4.43
45	MP4C	Mx	.11	4.43
46	MP3A	X	-27.692	1.68
47	MP3A	Z	47.965	1.68
48	MP3A	Mx	.012	1.68
49	MP3A	X	-27.692	3.68
50	MP3A	Z	47.965	3.68
51	MP3A	Mx	.012	3.68
52	MP3B	X	-13.386	1.68
53	MP3B	Z	23.185	1.68
54	MP3B	Mx	-.011	1.68
55	MP3B	X	-13.386	3.68
56	MP3B	Z	23.185	3.68
57	MP3B	Mx	-.011	3.68
58	MP3C	X	-27.692	1.68
59	MP3C	Z	47.965	1.68
60	MP3C	Mx	.012	1.68
61	MP3C	X	-27.692	3.68
62	MP3C	Z	47.965	3.68
63	MP3C	Mx	.012	3.68
64	MP2A	X	-46.678	.18
65	MP2A	Z	80.848	.18
66	MP2A	Mx	.019	.18
67	MP2A	X	-46.678	5.18
68	MP2A	Z	80.848	5.18
69	MP2A	Mx	.019	5.18
70	MP2B	X	-29.61	.18
71	MP2B	Z	51.286	.18
72	MP2B	Mx	-.024	.18
73	MP2B	X	-29.61	5.18
74	MP2B	Z	51.286	5.18
75	MP2B	Mx	-.024	5.18
76	MP2C	X	-46.678	.18
77	MP2C	Z	80.848	.18
78	MP2C	Mx	.019	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-46.678	5.18
80	MP2C	Z	80.848	5.18
81	MP2C	Mx	.019	5.18
82	MP1A	X	-9.884	2.68
83	MP1A	Z	17.119	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-2.726	2.68
86	MP1B	Z	4.721	2.68
87	MP1B	Mx	-.002	2.68
88	MP1C	X	-9.884	2.68
89	MP1C	Z	17.119	2.68
90	MP1C	Mx	.003	2.68
91	MP4A	X	-23.836	2.68
92	MP4A	Z	41.284	2.68
93	MP4A	Mx	-.012	2.68
94	MP4B	X	-17.633	2.68
95	MP4B	Z	30.541	2.68
96	MP4B	Mx	.017	2.68
97	MP4C	X	-23.836	2.68
98	MP4C	Z	41.284	2.68
99	MP4C	Mx	-.012	2.68
100	MP2A	X	-23.01	2.68
101	MP2A	Z	39.855	2.68
102	MP2A	Mx	-.012	2.68
103	MP2B	X	-23.01	2.68
104	MP2B	Z	39.855	2.68
105	MP2B	Mx	-.012	2.68
106	MP2C	X	-23.01	2.68
107	MP2C	Z	39.855	2.68
108	MP2C	Mx	-.012	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.849	1.5
2	MP4A	Z	3.954	1.5
3	MP4A	Mx	-.002	1.5
4	MP4B	X	-6.484	1.5
5	MP4B	Z	3.743	1.5
6	MP4B	Mx	.002	1.5
7	MP4C	X	-8.907	1.5
8	MP4C	Z	5.142	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	-81.425	.93
11	MP4A	Z	47.011	.93
12	MP4A	Mx	.092	.93
13	MP4A	X	-81.425	4.43
14	MP4A	Z	47.011	4.43
15	MP4A	Mx	.092	4.43
16	MP4B	X	-76.419	.93
17	MP4B	Z	44.121	.93
18	MP4B	Mx	-.042	.93
19	MP4B	X	-76.419	4.43
20	MP4B	Z	44.121	4.43
21	MP4B	Mx	-.042	4.43
22	MP4C	X	-109.65	.93
23	MP4C	Z	63.307	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP4C	Mx	-.084	.93
25	MP4C	X	-109.65	4.43
26	MP4C	Z	63.307	4.43
27	MP4C	Mx	-.084	4.43
28	MP4A	X	-81.425	.93
29	MP4A	Z	47.011	.93
30	MP4A	Mx	.03	.93
31	MP4A	X	-81.425	4.43
32	MP4A	Z	47.011	4.43
33	MP4A	Mx	.03	4.43
34	MP4B	X	-76.419	.93
35	MP4B	Z	44.121	.93
36	MP4B	Mx	-.082	.93
37	MP4B	X	-76.419	4.43
38	MP4B	Z	44.121	4.43
39	MP4B	Mx	-.082	4.43
40	MP4C	X	-109.65	.93
41	MP4C	Z	63.307	.93
42	MP4C	Mx	.084	.93
43	MP4C	X	-109.65	4.43
44	MP4C	Z	63.307	4.43
45	MP4C	Mx	.084	4.43
46	MP3A	X	-30.753	1.68
47	MP3A	Z	17.755	1.68
48	MP3A	Mx	.013	1.68
49	MP3A	X	-30.753	3.68
50	MP3A	Z	17.755	3.68
51	MP3A	Mx	.013	3.68
52	MP3B	X	-26.174	1.68
53	MP3B	Z	15.112	1.68
54	MP3B	Mx	-.012	1.68
55	MP3B	X	-26.174	3.68
56	MP3B	Z	15.112	3.68
57	MP3B	Mx	-.012	3.68
58	MP3C	X	-56.57	1.68
59	MP3C	Z	32.661	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	-56.57	3.68
62	MP3C	Z	32.661	3.68
63	MP3C	Mx	0	3.68
64	MP2A	X	-60.315	.18
65	MP2A	Z	34.823	.18
66	MP2A	Mx	.025	.18
67	MP2A	X	-60.315	5.18
68	MP2A	Z	34.823	5.18
69	MP2A	Mx	.025	5.18
70	MP2B	X	-54.852	.18
71	MP2B	Z	31.669	.18
72	MP2B	Mx	-.025	.18
73	MP2B	X	-54.852	5.18
74	MP2B	Z	31.669	5.18
75	MP2B	Mx	-.025	5.18
76	MP2C	X	-91.115	.18
77	MP2C	Z	52.605	.18
78	MP2C	Mx	0	.18
79	MP2C	X	-91.115	5.18
80	MP2C	Z	52.605	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	0	5.18
82	MP1A	X	-8.507	2.68
83	MP1A	Z	4.912	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-6.216	2.68
86	MP1B	Z	3.589	2.68
87	MP1B	Mx	-.002	2.68
88	MP1C	X	-21.425	2.68
89	MP1C	Z	12.369	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	-33.822	2.68
92	MP4A	Z	19.527	2.68
93	MP4A	Mx	-.017	2.68
94	MP4B	X	-31.837	2.68
95	MP4B	Z	18.381	2.68
96	MP4B	Mx	.017	2.68
97	MP4C	X	-45.016	2.68
98	MP4C	Z	25.99	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	-29.534	2.68
101	MP2A	Z	17.051	2.68
102	MP2A	Mx	-.015	2.68
103	MP2B	X	-29.534	2.68
104	MP2B	Z	17.051	2.68
105	MP2B	Mx	-.015	2.68
106	MP2C	X	-29.534	2.68
107	MP2C	Z	17.051	2.68
108	MP2C	Mx	-.015	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.116	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.002	1.5
4	MP4B	X	-8.975	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	.001	1.5
7	MP4C	X	-9.493	1.5
8	MP4C	Z	0	1.5
9	MP4C	Mx	.001	1.5
10	MP4A	X	-83.158	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	.062	.93
13	MP4A	X	-83.158	4.43
14	MP4A	Z	0	4.43
15	MP4A	Mx	.062	4.43
16	MP4B	X	-108.659	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	.003	.93
19	MP4B	X	-108.659	4.43
20	MP4B	Z	0	4.43
21	MP4B	Mx	.003	4.43
22	MP4C	X	-115.75	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	-.11	.93
25	MP4C	X	-115.75	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4C	Z	0	4.43
27	MP4C	Mx	-.11	4.43
28	MP4A	X	-83.158	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	.062	.93
31	MP4A	X	-83.158	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	.062	4.43
34	MP4B	X	-108.659	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	-.108	.93
37	MP4B	X	-108.659	4.43
38	MP4B	Z	0	4.43
39	MP4B	Mx	-.108	4.43
40	MP4C	X	-115.75	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	.023	.93
43	MP4C	X	-115.75	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	.023	4.43
46	MP3A	X	-25.573	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	.011	1.68
49	MP3A	X	-25.573	3.68
50	MP3A	Z	0	3.68
51	MP3A	Mx	.011	3.68
52	MP3B	X	-48.899	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	-.013	1.68
55	MP3B	X	-48.899	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	-.013	3.68
58	MP3C	X	-55.385	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	-.012	1.68
61	MP3C	X	-55.385	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	-.012	3.68
64	MP2A	X	-57.79	.18
65	MP2A	Z	0	.18
66	MP2A	Mx	.024	.18
67	MP2A	X	-57.79	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	.024	5.18
70	MP2B	X	-85.617	.18
71	MP2B	Z	0	.18
72	MP2B	Mx	-.023	.18
73	MP2B	X	-85.617	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	-.023	5.18
76	MP2C	X	-93.355	.18
77	MP2C	Z	0	.18
78	MP2C	Mx	-.019	.18
79	MP2C	X	-93.355	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	-.019	5.18
82	MP1A	X	-4.851	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	0	2.68
84	MP1A	Mx	.002	2.68
85	MP1B	X	-16.522	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.004	2.68
88	MP1C	X	-19.767	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.003	2.68
91	MP4A	X	-34.746	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	-.017	2.68
94	MP4B	X	-44.859	2.68
95	MP4B	Z	0	2.68
96	MP4B	Mx	.014	2.68
97	MP4C	X	-47.671	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	.012	2.68
100	MP2A	X	-28.144	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.014	2.68
103	MP2B	X	-28.144	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.014	2.68
106	MP2C	X	-28.144	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.014	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.849	1.5
2	MP4A	Z	-3.954	1.5
3	MP4A	Mx	-.002	1.5
4	MP4B	X	-8.824	1.5
5	MP4B	Z	-5.095	1.5
6	MP4B	Mx	.000442	1.5
7	MP4C	X	-6.849	1.5
8	MP4C	Z	-3.954	1.5
9	MP4C	Mx	.002	1.5
10	MP4A	X	-81.425	.93
11	MP4A	Z	-47.011	.93
12	MP4A	Mx	.03	.93
13	MP4A	X	-81.425	4.43
14	MP4A	Z	-47.011	4.43
15	MP4A	Mx	.03	4.43
16	MP4B	X	-108.516	.93
17	MP4B	Z	-62.652	.93
18	MP4B	Mx	.066	.93
19	MP4B	X	-108.516	4.43
20	MP4B	Z	-62.652	4.43
21	MP4B	Mx	.066	4.43
22	MP4C	X	-81.425	.93
23	MP4C	Z	-47.011	.93
24	MP4C	Mx	-.092	.93
25	MP4C	X	-81.425	4.43
26	MP4C	Z	-47.011	4.43
27	MP4C	Mx	-.092	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4A	X	-81.425	.93
29	MP4A	Z	-47.011	.93
30	MP4A	Mx	.092	.93
31	MP4A	X	-81.425	4.43
32	MP4A	Z	-47.011	4.43
33	MP4A	Mx	.092	4.43
34	MP4B	X	-108.516	.93
35	MP4B	Z	-62.652	.93
36	MP4B	Mx	-.099	.93
37	MP4B	X	-108.516	4.43
38	MP4B	Z	-62.652	4.43
39	MP4B	Mx	-.099	4.43
40	MP4C	X	-81.425	.93
41	MP4C	Z	-47.011	.93
42	MP4C	Mx	-.03	.93
43	MP4C	X	-81.425	4.43
44	MP4C	Z	-47.011	4.43
45	MP4C	Mx	-.03	4.43
46	MP3A	X	-30.753	1.68
47	MP3A	Z	-17.755	1.68
48	MP3A	Mx	.013	1.68
49	MP3A	X	-30.753	3.68
50	MP3A	Z	-17.755	3.68
51	MP3A	Mx	.013	3.68
52	MP3B	X	-55.532	1.68
53	MP3B	Z	-32.062	1.68
54	MP3B	Mx	-.005	1.68
55	MP3B	X	-55.532	3.68
56	MP3B	Z	-32.062	3.68
57	MP3B	Mx	-.005	3.68
58	MP3C	X	-30.753	1.68
59	MP3C	Z	-17.755	1.68
60	MP3C	Mx	-.013	1.68
61	MP3C	X	-30.753	3.68
62	MP3C	Z	-17.755	3.68
63	MP3C	Mx	-.013	3.68
64	MP2A	X	-60.315	.18
65	MP2A	Z	-34.823	.18
66	MP2A	Mx	.025	.18
67	MP2A	X	-60.315	5.18
68	MP2A	Z	-34.823	5.18
69	MP2A	Mx	.025	5.18
70	MP2B	X	-89.876	.18
71	MP2B	Z	-51.89	.18
72	MP2B	Mx	-.008	.18
73	MP2B	X	-89.876	5.18
74	MP2B	Z	-51.89	5.18
75	MP2B	Mx	-.008	5.18
76	MP2C	X	-60.315	.18
77	MP2C	Z	-34.823	.18
78	MP2C	Mx	-.025	.18
79	MP2C	X	-60.315	5.18
80	MP2C	Z	-34.823	5.18
81	MP2C	Mx	-.025	5.18
82	MP1A	X	-8.507	2.68
83	MP1A	Z	-4.912	2.68
84	MP1A	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	-20.905	2.68
86	MP1B	Z	-12.07	2.68
87	MP1B	Mx	-.001	2.68
88	MP1C	X	-8.507	2.68
89	MP1C	Z	-4.912	2.68
90	MP1C	Mx	-.003	2.68
91	MP4A	X	-33.822	2.68
92	MP4A	Z	-19.527	2.68
93	MP4A	Mx	-.017	2.68
94	MP4B	X	-44.566	2.68
95	MP4B	Z	-25.73	2.68
96	MP4B	Mx	.004	2.68
97	MP4C	X	-33.822	2.68
98	MP4C	Z	-19.527	2.68
99	MP4C	Mx	.017	2.68
100	MP2A	X	-29.534	2.68
101	MP2A	Z	-17.051	2.68
102	MP2A	Mx	-.015	2.68
103	MP2B	X	-29.534	2.68
104	MP2B	Z	-17.051	2.68
105	MP2B	Mx	-.015	2.68
106	MP2C	X	-29.534	2.68
107	MP2C	Z	-17.051	2.68
108	MP2C	Mx	-.015	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-4.746	1.5
2	MP4A	Z	-8.221	1.5
3	MP4A	Mx	-.001	1.5
4	MP4B	X	-4.957	1.5
5	MP4B	Z	-8.586	1.5
6	MP4B	Mx	-.000848	1.5
7	MP4C	X	-3.558	1.5
8	MP4C	Z	-6.163	1.5
9	MP4C	Mx	.002	1.5
10	MP4A	X	-57.875	.93
11	MP4A	Z	-100.242	.93
12	MP4A	Mx	-.023	.93
13	MP4A	X	-57.875	4.43
14	MP4A	Z	-100.242	4.43
15	MP4A	Mx	-.023	4.43
16	MP4B	X	-60.765	.93
17	MP4B	Z	-105.248	.93
18	MP4B	Mx	.107	.93
19	MP4B	X	-60.765	4.43
20	MP4B	Z	-105.248	4.43
21	MP4B	Mx	.107	4.43
22	MP4C	X	-41.579	.93
23	MP4C	Z	-72.017	.93
24	MP4C	Mx	-.062	.93
25	MP4C	X	-41.579	4.43
26	MP4C	Z	-72.017	4.43
27	MP4C	Mx	-.062	4.43
28	MP4A	X	-57.875	.93
29	MP4A	Z	-100.242	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4A	Mx	.11	.93
31	MP4A	X	-57.875	4.43
32	MP4A	Z	-100.242	4.43
33	MP4A	Mx	.11	4.43
34	MP4B	X	-60.765	.93
35	MP4B	Z	-105.248	.93
36	MP4B	Mx	-.045	.93
37	MP4B	X	-60.765	4.43
38	MP4B	Z	-105.248	4.43
39	MP4B	Mx	-.045	4.43
40	MP4C	X	-41.579	.93
41	MP4C	Z	-72.017	.93
42	MP4C	Mx	-.062	.93
43	MP4C	X	-41.579	4.43
44	MP4C	Z	-72.017	4.43
45	MP4C	Mx	-.062	4.43
46	MP3A	X	-27.692	1.68
47	MP3A	Z	-47.965	1.68
48	MP3A	Mx	.012	1.68
49	MP3A	X	-27.692	3.68
50	MP3A	Z	-47.965	3.68
51	MP3A	Mx	.012	3.68
52	MP3B	X	-30.336	1.68
53	MP3B	Z	-52.544	1.68
54	MP3B	Mx	.009	1.68
55	MP3B	X	-30.336	3.68
56	MP3B	Z	-52.544	3.68
57	MP3B	Mx	.009	3.68
58	MP3C	X	-12.787	1.68
59	MP3C	Z	-22.147	1.68
60	MP3C	Mx	-.011	1.68
61	MP3C	X	-12.787	3.68
62	MP3C	Z	-22.147	3.68
63	MP3C	Mx	-.011	3.68
64	MP2A	X	-46.678	.18
65	MP2A	Z	-80.848	.18
66	MP2A	Mx	.019	.18
67	MP2A	X	-46.678	5.18
68	MP2A	Z	-80.848	5.18
69	MP2A	Mx	.019	5.18
70	MP2B	X	-49.831	.18
71	MP2B	Z	-86.311	.18
72	MP2B	Mx	.014	.18
73	MP2B	X	-49.831	5.18
74	MP2B	Z	-86.311	5.18
75	MP2B	Mx	.014	5.18
76	MP2C	X	-28.895	.18
77	MP2C	Z	-50.048	.18
78	MP2C	Mx	-.024	.18
79	MP2C	X	-28.895	5.18
80	MP2C	Z	-50.048	5.18
81	MP2C	Mx	-.024	5.18
82	MP1A	X	-9.884	2.68
83	MP1A	Z	-17.119	2.68
84	MP1A	Mx	.003	2.68
85	MP1B	X	-11.206	2.68
86	MP1B	Z	-19.41	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1B	Mx	.003	2.68
88	MP1C	X	-2.426	2.68
89	MP1C	Z	-4.201	2.68
90	MP1C	Mx	-.002	2.68
91	MP4A	X	-23.836	2.68
92	MP4A	Z	-41.284	2.68
93	MP4A	Mx	-.012	2.68
94	MP4B	X	-24.982	2.68
95	MP4B	Z	-43.27	2.68
96	MP4B	Mx	-.009	2.68
97	MP4C	X	-17.373	2.68
98	MP4C	Z	-30.091	2.68
99	MP4C	Mx	.017	2.68
100	MP2A	X	-23.01	2.68
101	MP2A	Z	-39.855	2.68
102	MP2A	Mx	-.012	2.68
103	MP2B	X	-23.01	2.68
104	MP2B	Z	-39.855	2.68
105	MP2B	Mx	-.012	2.68
106	MP2C	X	-23.01	2.68
107	MP2C	Z	-39.855	2.68
108	MP2C	Mx	-.012	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-2.655	1.5
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	-2.262	1.5
6	MP4B	Mx	-.000433	1.5
7	MP4C	X	0	1.5
8	MP4C	Z	-2.153	1.5
9	MP4C	Mx	.000466	1.5
10	MP4A	X	0	.93
11	MP4A	Z	-24.786	.93
12	MP4A	Mx	-.017	.93
13	MP4A	X	0	4.43
14	MP4A	Z	-24.786	4.43
15	MP4A	Mx	-.017	4.43
16	MP4B	X	0	.93
17	MP4B	Z	-20.143	.93
18	MP4B	Mx	.02	.93
19	MP4B	X	0	4.43
20	MP4B	Z	-20.143	4.43
21	MP4B	Mx	.02	4.43
22	MP4C	X	0	.93
23	MP4C	Z	-18.852	.93
24	MP4C	Mx	-.006	.93
25	MP4C	X	0	4.43
26	MP4C	Z	-18.852	4.43
27	MP4C	Mx	-.006	4.43
28	MP4A	X	0	.93
29	MP4A	Z	-24.786	.93
30	MP4A	Mx	.017	.93
31	MP4A	X	0	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP4A	Z	-24.786	4.43
33	MP4A	Mx	.017	4.43
34	MP4B	X	0	.93
35	MP4B	Z	-20.143	.93
36	MP4B	Mx	.003	.93
37	MP4B	X	0	4.43
38	MP4B	Z	-20.143	4.43
39	MP4B	Mx	.003	4.43
40	MP4C	X	0	.93
41	MP4C	Z	-18.852	.93
42	MP4C	Mx	-.019	.93
43	MP4C	X	0	4.43
44	MP4C	Z	-18.852	4.43
45	MP4C	Mx	-.019	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	-13.163	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	-13.163	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	-8.714	1.68
54	MP3B	Mx	.003	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	-8.714	3.68
57	MP3B	Mx	.003	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	-7.476	1.68
60	MP3C	Mx	-.003	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	-7.476	3.68
63	MP3C	Mx	-.003	3.68
64	MP2A	X	0	.18
65	MP2A	Z	-20.797	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	-20.797	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	-15.717	.18
72	MP2B	Mx	.005	.18
73	MP2B	X	0	5.18
74	MP2B	Z	-15.717	5.18
75	MP2B	Mx	.005	5.18
76	MP2C	X	0	.18
77	MP2C	Z	-14.304	.18
78	MP2C	Mx	-.005	.18
79	MP2C	X	0	5.18
80	MP2C	Z	-14.304	5.18
81	MP2C	Mx	-.005	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	-5.677	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-3.307	2.68
87	MP1B	Mx	.000844	2.68
88	MP1C	X	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	-2.648	2.68
90	MP1C	Mx	-.000764	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	-11.06	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	-9.074	2.68
96	MP4B	Mx	-.003	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	-8.522	2.68
99	MP4C	Mx	.004	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-11.06	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-11.06	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-11.06	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.244	1.5
2	MP4A	Z	-2.155	1.5
3	MP4A	Mx	.000311	1.5
4	MP4B	X	1.003	1.5
5	MP4B	Z	-1.737	1.5
6	MP4B	Mx	-.000494	1.5
7	MP4C	X	1.244	1.5
8	MP4C	Z	-2.155	1.5
9	MP4C	Mx	.000311	1.5
10	MP4A	X	11.404	.93
11	MP4A	Z	-19.752	.93
12	MP4A	Mx	-.022	.93
13	MP4A	X	11.404	4.43
14	MP4A	Z	-19.752	4.43
15	MP4A	Mx	-.022	4.43
16	MP4B	X	8.556	.93
17	MP4B	Z	-14.82	.93
18	MP4B	Mx	.015	.93
19	MP4B	X	8.556	4.43
20	MP4B	Z	-14.82	4.43
21	MP4B	Mx	.015	4.43
22	MP4C	X	11.404	.93
23	MP4C	Z	-19.752	.93
24	MP4C	Mx	.005	.93
25	MP4C	X	11.404	4.43
26	MP4C	Z	-19.752	4.43
27	MP4C	Mx	.005	4.43
28	MP4A	X	11.404	.93
29	MP4A	Z	-19.752	.93
30	MP4A	Mx	.005	.93
31	MP4A	X	11.404	4.43
32	MP4A	Z	-19.752	4.43
33	MP4A	Mx	.005	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	8.556	.93
35	MP4B	Z	-14.82	.93
36	MP4B	Mx	.011	.93
37	MP4B	X	8.556	4.43
38	MP4B	Z	-14.82	4.43
39	MP4B	Mx	.011	4.43
40	MP4C	X	11.404	.93
41	MP4C	Z	-19.752	.93
42	MP4C	Mx	-.022	.93
43	MP4C	X	11.404	4.43
44	MP4C	Z	-19.752	4.43
45	MP4C	Mx	-.022	4.43
46	MP3A	X	5.634	1.68
47	MP3A	Z	-9.758	1.68
48	MP3A	Mx	-.002	1.68
49	MP3A	X	5.634	3.68
50	MP3A	Z	-9.758	3.68
51	MP3A	Mx	-.002	3.68
52	MP3B	X	2.905	1.68
53	MP3B	Z	-5.031	1.68
54	MP3B	Mx	.002	1.68
55	MP3B	X	2.905	3.68
56	MP3B	Z	-5.031	3.68
57	MP3B	Mx	.002	3.68
58	MP3C	X	5.634	1.68
59	MP3C	Z	-9.758	1.68
60	MP3C	Mx	-.002	1.68
61	MP3C	X	5.634	3.68
62	MP3C	Z	-9.758	3.68
63	MP3C	Mx	-.002	3.68
64	MP2A	X	9.316	.18
65	MP2A	Z	-16.136	.18
66	MP2A	Mx	-.004	.18
67	MP2A	X	9.316	5.18
68	MP2A	Z	-16.136	5.18
69	MP2A	Mx	-.004	5.18
70	MP2B	X	6.2	.18
71	MP2B	Z	-10.74	.18
72	MP2B	Mx	.005	.18
73	MP2B	X	6.2	5.18
74	MP2B	Z	-10.74	5.18
75	MP2B	Mx	.005	5.18
76	MP2C	X	9.316	.18
77	MP2C	Z	-16.136	.18
78	MP2C	Mx	-.004	.18
79	MP2C	X	9.316	5.18
80	MP2C	Z	-16.136	5.18
81	MP2C	Mx	-.004	5.18
82	MP1A	X	2.334	2.68
83	MP1A	Z	-4.042	2.68
84	MP1A	Mx	-.000778	2.68
85	MP1B	X	.88	2.68
86	MP1B	Z	-1.524	2.68
87	MP1B	Mx	.000578	2.68
88	MP1C	X	2.334	2.68
89	MP1C	Z	-4.042	2.68
90	MP1C	Mx	-.000778	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP4A	X	5.107	2.68
92	MP4A	Z	-8.846	2.68
93	MP4A	Mx	.003	2.68
94	MP4B	X	3.889	2.68
95	MP4B	Z	-6.736	2.68
96	MP4B	Mx	-.004	2.68
97	MP4C	X	5.107	2.68
98	MP4C	Z	-8.846	2.68
99	MP4C	Mx	.003	2.68
100	MP2A	X	4.946	2.68
101	MP2A	Z	-8.567	2.68
102	MP2A	Mx	.002	2.68
103	MP2B	X	4.946	2.68
104	MP2B	Z	-8.567	2.68
105	MP2B	Mx	.002	2.68
106	MP2C	X	4.946	2.68
107	MP2C	Z	-8.567	2.68
108	MP2C	Mx	.002	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.865	1.5
2	MP4A	Z	-1.076	1.5
3	MP4A	Mx	.000466	1.5
4	MP4B	X	1.787	1.5
5	MP4B	Z	-1.032	1.5
6	MP4B	Mx	-.000485	1.5
7	MP4C	X	2.3	1.5
8	MP4C	Z	-1.328	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	16.326	.93
11	MP4A	Z	-9.426	.93
12	MP4A	Mx	-.019	.93
13	MP4A	X	16.326	4.43
14	MP4A	Z	-9.426	4.43
15	MP4A	Mx	-.019	4.43
16	MP4B	X	15.415	.93
17	MP4B	Z	-8.9	.93
18	MP4B	Mx	.008	.93
19	MP4B	X	15.415	4.43
20	MP4B	Z	-8.9	4.43
21	MP4B	Mx	.008	4.43
22	MP4C	X	21.465	.93
23	MP4C	Z	-12.393	.93
24	MP4C	Mx	.017	.93
25	MP4C	X	21.465	4.43
26	MP4C	Z	-12.393	4.43
27	MP4C	Mx	.017	4.43
28	MP4A	X	16.326	.93
29	MP4A	Z	-9.426	.93
30	MP4A	Mx	-.006	.93
31	MP4A	X	16.326	4.43
32	MP4A	Z	-9.426	4.43
33	MP4A	Mx	-.006	4.43
34	MP4B	X	15.415	.93
35	MP4B	Z	-8.9	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP4B	Mx	.017	.93
37	MP4B	X	15.415	4.43
38	MP4B	Z	-8.9	4.43
39	MP4B	Mx	.017	4.43
40	MP4C	X	21.465	.93
41	MP4C	Z	-12.393	.93
42	MP4C	Mx	-.017	.93
43	MP4C	X	21.465	4.43
44	MP4C	Z	-12.393	4.43
45	MP4C	Mx	-.017	4.43
46	MP3A	X	6.475	1.68
47	MP3A	Z	-3.738	1.68
48	MP3A	Mx	-.003	1.68
49	MP3A	X	6.475	3.68
50	MP3A	Z	-3.738	3.68
51	MP3A	Mx	-.003	3.68
52	MP3B	X	5.601	1.68
53	MP3B	Z	-3.234	1.68
54	MP3B	Mx	.003	1.68
55	MP3B	X	5.601	3.68
56	MP3B	Z	-3.234	3.68
57	MP3B	Mx	.003	3.68
58	MP3C	X	11.4	1.68
59	MP3C	Z	-6.582	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	11.4	3.68
62	MP3C	Z	-6.582	3.68
63	MP3C	Mx	0	3.68
64	MP2A	X	12.388	.18
65	MP2A	Z	-7.152	.18
66	MP2A	Mx	-.005	.18
67	MP2A	X	12.388	5.18
68	MP2A	Z	-7.152	5.18
69	MP2A	Mx	-.005	5.18
70	MP2B	X	11.39	.18
71	MP2B	Z	-6.576	.18
72	MP2B	Mx	.005	.18
73	MP2B	X	11.39	5.18
74	MP2B	Z	-6.576	5.18
75	MP2B	Mx	.005	5.18
76	MP2C	X	18.011	.18
77	MP2C	Z	-10.398	.18
78	MP2C	Mx	0	.18
79	MP2C	X	18.011	5.18
80	MP2C	Z	-10.398	5.18
81	MP2C	Mx	0	5.18
82	MP1A	X	2.293	2.68
83	MP1A	Z	-1.324	2.68
84	MP1A	Mx	-.000764	2.68
85	MP1B	X	1.828	2.68
86	MP1B	Z	-1.055	2.68
87	MP1B	Mx	.000661	2.68
88	MP1C	X	4.916	2.68
89	MP1C	Z	-2.838	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	7.38	2.68
92	MP4A	Z	-4.261	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4A	Mx	.004	2.68
94	MP4B	X	6.991	2.68
95	MP4B	Z	-4.036	2.68
96	MP4B	Mx	-.004	2.68
97	MP4C	X	9.578	2.68
98	MP4C	Z	-5.53	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	6.545	2.68
101	MP2A	Z	-3.779	2.68
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.545	2.68
104	MP2B	Z	-3.779	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.545	2.68
107	MP2C	Z	-3.779	2.68
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.985	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.000496	1.5
4	MP4B	X	2.379	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	-.000382	1.5
7	MP4C	X	2.488	1.5
8	MP4C	Z	0	1.5
9	MP4C	Mx	-.000311	1.5
10	MP4A	X	16.874	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	-.013	.93
13	MP4A	X	16.874	4.43
14	MP4A	Z	0	4.43
15	MP4A	Mx	-.013	4.43
16	MP4B	X	21.517	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	-.000616	.93
19	MP4B	X	21.517	4.43
20	MP4B	Z	0	4.43
21	MP4B	Mx	-.000616	4.43
22	MP4C	X	22.808	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	.022	.93
25	MP4C	X	22.808	4.43
26	MP4C	Z	0	4.43
27	MP4C	Mx	.022	4.43
28	MP4A	X	16.874	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	-.013	.93
31	MP4A	X	16.874	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	-.013	4.43
34	MP4B	X	21.517	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	.021	.93
37	MP4B	X	21.517	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4B	Z	0	4.43
39	MP4B	Mx	.021	4.43
40	MP4C	X	22.808	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	-.005	.93
43	MP4C	X	22.808	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	-.005	4.43
46	MP3A	X	5.581	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	-.002	1.68
49	MP3A	X	5.581	3.68
50	MP3A	Z	0	3.68
51	MP3A	Mx	-.002	3.68
52	MP3B	X	10.03	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	.003	1.68
55	MP3B	X	10.03	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	.003	3.68
58	MP3C	X	11.268	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	.002	1.68
61	MP3C	X	11.268	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	.002	3.68
64	MP2A	X	12.14	.18
65	MP2A	Z	0	.18
66	MP2A	Mx	-.005	.18
67	MP2A	X	12.14	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	-.005	5.18
70	MP2B	X	17.22	.18
71	MP2B	Z	0	.18
72	MP2B	Mx	.005	.18
73	MP2B	X	17.22	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	.005	5.18
76	MP2C	X	18.633	.18
77	MP2C	Z	0	.18
78	MP2C	Mx	.004	.18
79	MP2C	X	18.633	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	.004	5.18
82	MP1A	X	1.638	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-.000546	2.68
85	MP1B	X	4.008	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.000859	2.68
88	MP1C	X	4.667	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	.000778	2.68
91	MP4A	X	7.676	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	.004	2.68
94	MP4B	X	9.662	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP4B	Z	0	2.68
96	MP4B	Mx	-.003	2.68
97	MP4C	X	10.214	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	-.003	2.68
100	MP2A	X	6.39	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.39	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.39	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.865	1.5
2	MP4A	Z	1.076	1.5
3	MP4A	Mx	.000466	1.5
4	MP4B	X	2.282	1.5
5	MP4B	Z	1.318	1.5
6	MP4B	Mx	-.000114	1.5
7	MP4C	X	1.865	1.5
8	MP4C	Z	1.076	1.5
9	MP4C	Mx	-.000466	1.5
10	MP4A	X	16.326	.93
11	MP4A	Z	9.426	.93
12	MP4A	Mx	-.006	.93
13	MP4A	X	16.326	4.43
14	MP4A	Z	9.426	4.43
15	MP4A	Mx	-.006	4.43
16	MP4B	X	21.259	.93
17	MP4B	Z	12.274	.93
18	MP4B	Mx	-.013	.93
19	MP4B	X	21.259	4.43
20	MP4B	Z	12.274	4.43
21	MP4B	Mx	-.013	4.43
22	MP4C	X	16.326	.93
23	MP4C	Z	9.426	.93
24	MP4C	Mx	.019	.93
25	MP4C	X	16.326	4.43
26	MP4C	Z	9.426	4.43
27	MP4C	Mx	.019	4.43
28	MP4A	X	16.326	.93
29	MP4A	Z	9.426	.93
30	MP4A	Mx	-.019	.93
31	MP4A	X	16.326	4.43
32	MP4A	Z	9.426	4.43
33	MP4A	Mx	-.019	4.43
34	MP4B	X	21.259	.93
35	MP4B	Z	12.274	.93
36	MP4B	Mx	.019	.93
37	MP4B	X	21.259	4.43
38	MP4B	Z	12.274	4.43
39	MP4B	Mx	.019	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4C	X	16.326	.93
41	MP4C	Z	9.426	.93
42	MP4C	Mx	.006	.93
43	MP4C	X	16.326	4.43
44	MP4C	Z	9.426	4.43
45	MP4C	Mx	.006	4.43
46	MP3A	X	6.475	1.68
47	MP3A	Z	3.738	1.68
48	MP3A	Mx	-.003	1.68
49	MP3A	X	6.475	3.68
50	MP3A	Z	3.738	3.68
51	MP3A	Mx	-.003	3.68
52	MP3B	X	11.202	1.68
53	MP3B	Z	6.467	1.68
54	MP3B	Mx	.000936	1.68
55	MP3B	X	11.202	3.68
56	MP3B	Z	6.467	3.68
57	MP3B	Mx	.000936	3.68
58	MP3C	X	6.475	1.68
59	MP3C	Z	3.738	1.68
60	MP3C	Mx	.003	1.68
61	MP3C	X	6.475	3.68
62	MP3C	Z	3.738	3.68
63	MP3C	Mx	.003	3.68
64	MP2A	X	12.388	.18
65	MP2A	Z	7.152	.18
66	MP2A	Mx	-.005	.18
67	MP2A	X	12.388	5.18
68	MP2A	Z	7.152	5.18
69	MP2A	Mx	-.005	5.18
70	MP2B	X	17.784	.18
71	MP2B	Z	10.268	.18
72	MP2B	Mx	.001	.18
73	MP2B	X	17.784	5.18
74	MP2B	Z	10.268	5.18
75	MP2B	Mx	.001	5.18
76	MP2C	X	12.388	.18
77	MP2C	Z	7.152	.18
78	MP2C	Mx	.005	.18
79	MP2C	X	12.388	5.18
80	MP2C	Z	7.152	5.18
81	MP2C	Mx	.005	5.18
82	MP1A	X	2.293	2.68
83	MP1A	Z	1.324	2.68
84	MP1A	Mx	-.000764	2.68
85	MP1B	X	4.811	2.68
86	MP1B	Z	2.777	2.68
87	MP1B	Mx	.000322	2.68
88	MP1C	X	2.293	2.68
89	MP1C	Z	1.324	2.68
90	MP1C	Mx	.000764	2.68
91	MP4A	X	7.38	2.68
92	MP4A	Z	4.261	2.68
93	MP4A	Mx	.004	2.68
94	MP4B	X	9.49	2.68
95	MP4B	Z	5.479	2.68
96	MP4B	Mx	-.000951	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP4C	X	7.38	2.68
98	MP4C	Z	4.261	2.68
99	MP4C	Mx	-.004	2.68
100	MP2A	X	6.545	2.68
101	MP2A	Z	3.779	2.68
102	MP2A	Mx	.003	2.68
103	MP2B	X	6.545	2.68
104	MP2B	Z	3.779	2.68
105	MP2B	Mx	.003	2.68
106	MP2C	X	6.545	2.68
107	MP2C	Z	3.779	2.68
108	MP2C	Mx	.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.244	1.5
2	MP4A	Z	2.155	1.5
3	MP4A	Mx	.000311	1.5
4	MP4B	X	1.289	1.5
5	MP4B	Z	2.232	1.5
6	MP4B	Mx	.00022	1.5
7	MP4C	X	.993	1.5
8	MP4C	Z	1.719	1.5
9	MP4C	Mx	-.000496	1.5
10	MP4A	X	11.404	.93
11	MP4A	Z	19.752	.93
12	MP4A	Mx	.005	.93
13	MP4A	X	11.404	4.43
14	MP4A	Z	19.752	4.43
15	MP4A	Mx	.005	4.43
16	MP4B	X	11.93	.93
17	MP4B	Z	20.664	.93
18	MP4B	Mx	-.021	.93
19	MP4B	X	11.93	4.43
20	MP4B	Z	20.664	4.43
21	MP4B	Mx	-.021	4.43
22	MP4C	X	8.437	.93
23	MP4C	Z	14.613	.93
24	MP4C	Mx	.013	.93
25	MP4C	X	8.437	4.43
26	MP4C	Z	14.613	4.43
27	MP4C	Mx	.013	4.43
28	MP4A	X	11.404	.93
29	MP4A	Z	19.752	.93
30	MP4A	Mx	-.022	.93
31	MP4A	X	11.404	4.43
32	MP4A	Z	19.752	4.43
33	MP4A	Mx	-.022	4.43
34	MP4B	X	11.93	.93
35	MP4B	Z	20.664	.93
36	MP4B	Mx	.009	.93
37	MP4B	X	11.93	4.43
38	MP4B	Z	20.664	4.43
39	MP4B	Mx	.009	4.43
40	MP4C	X	8.437	.93
41	MP4C	Z	14.613	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4C	Mx	.013	.93
43	MP4C	X	8.437	4.43
44	MP4C	Z	14.613	4.43
45	MP4C	Mx	.013	4.43
46	MP3A	X	5.634	1.68
47	MP3A	Z	9.758	1.68
48	MP3A	Mx	-.002	1.68
49	MP3A	X	5.634	3.68
50	MP3A	Z	9.758	3.68
51	MP3A	Mx	-.002	3.68
52	MP3B	X	6.138	1.68
53	MP3B	Z	10.632	1.68
54	MP3B	Mx	-.002	1.68
55	MP3B	X	6.138	3.68
56	MP3B	Z	10.632	3.68
57	MP3B	Mx	-.002	3.68
58	MP3C	X	2.79	1.68
59	MP3C	Z	4.833	1.68
60	MP3C	Mx	.002	1.68
61	MP3C	X	2.79	3.68
62	MP3C	Z	4.833	3.68
63	MP3C	Mx	.002	3.68
64	MP2A	X	9.316	.18
65	MP2A	Z	16.136	.18
66	MP2A	Mx	-.004	.18
67	MP2A	X	9.316	5.18
68	MP2A	Z	16.136	5.18
69	MP2A	Mx	-.004	5.18
70	MP2B	X	9.892	.18
71	MP2B	Z	17.134	.18
72	MP2B	Mx	-.003	.18
73	MP2B	X	9.892	5.18
74	MP2B	Z	17.134	5.18
75	MP2B	Mx	-.003	5.18
76	MP2C	X	6.07	.18
77	MP2C	Z	10.514	.18
78	MP2C	Mx	.005	.18
79	MP2C	X	6.07	5.18
80	MP2C	Z	10.514	5.18
81	MP2C	Mx	.005	5.18
82	MP1A	X	2.334	2.68
83	MP1A	Z	4.042	2.68
84	MP1A	Mx	-.000778	2.68
85	MP1B	X	2.602	2.68
86	MP1B	Z	4.507	2.68
87	MP1B	Mx	-.000593	2.68
88	MP1C	X	.819	2.68
89	MP1C	Z	1.419	2.68
90	MP1C	Mx	.000546	2.68
91	MP4A	X	5.107	2.68
92	MP4A	Z	8.846	2.68
93	MP4A	Mx	.003	2.68
94	MP4B	X	5.332	2.68
95	MP4B	Z	9.235	2.68
96	MP4B	Mx	.002	2.68
97	MP4C	X	3.838	2.68
98	MP4C	Z	6.648	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP4C	Mx	-.004	2.68
100	MP2A	X	4.946	2.68
101	MP2A	Z	8.567	2.68
102	MP2A	Mx	.002	2.68
103	MP2B	X	4.946	2.68
104	MP2B	Z	8.567	2.68
105	MP2B	Mx	.002	2.68
106	MP2C	X	4.946	2.68
107	MP2C	Z	8.567	2.68
108	MP2C	Mx	.002	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	2.655	1.5
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	2.262	1.5
6	MP4B	Mx	.000433	1.5
7	MP4C	X	0	1.5
8	MP4C	Z	2.153	1.5
9	MP4C	Mx	-.000466	1.5
10	MP4A	X	0	.93
11	MP4A	Z	24.786	.93
12	MP4A	Mx	.017	.93
13	MP4A	X	0	4.43
14	MP4A	Z	24.786	4.43
15	MP4A	Mx	.017	4.43
16	MP4B	X	0	.93
17	MP4B	Z	20.143	.93
18	MP4B	Mx	-.02	.93
19	MP4B	X	0	4.43
20	MP4B	Z	20.143	4.43
21	MP4B	Mx	-.02	4.43
22	MP4C	X	0	.93
23	MP4C	Z	18.852	.93
24	MP4C	Mx	.006	.93
25	MP4C	X	0	4.43
26	MP4C	Z	18.852	4.43
27	MP4C	Mx	.006	4.43
28	MP4A	X	0	.93
29	MP4A	Z	24.786	.93
30	MP4A	Mx	-.017	.93
31	MP4A	X	0	4.43
32	MP4A	Z	24.786	4.43
33	MP4A	Mx	-.017	4.43
34	MP4B	X	0	.93
35	MP4B	Z	20.143	.93
36	MP4B	Mx	-.003	.93
37	MP4B	X	0	4.43
38	MP4B	Z	20.143	4.43
39	MP4B	Mx	-.003	4.43
40	MP4C	X	0	.93
41	MP4C	Z	18.852	.93
42	MP4C	Mx	.019	.93
43	MP4C	X	0	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4C	Z	18.852	4.43
45	MP4C	Mx	.019	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	13.163	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	13.163	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	8.714	1.68
54	MP3B	Mx	-.003	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	8.714	3.68
57	MP3B	Mx	-.003	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	7.476	1.68
60	MP3C	Mx	.003	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	7.476	3.68
63	MP3C	Mx	.003	3.68
64	MP2A	X	0	.18
65	MP2A	Z	20.797	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	20.797	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	15.717	.18
72	MP2B	Mx	-.005	.18
73	MP2B	X	0	5.18
74	MP2B	Z	15.717	5.18
75	MP2B	Mx	-.005	5.18
76	MP2C	X	0	.18
77	MP2C	Z	14.304	.18
78	MP2C	Mx	.005	.18
79	MP2C	X	0	5.18
80	MP2C	Z	14.304	5.18
81	MP2C	Mx	.005	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	5.677	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	3.307	2.68
87	MP1B	Mx	-.000844	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	2.648	2.68
90	MP1C	Mx	.000764	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	11.06	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	9.074	2.68
96	MP4B	Mx	.003	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	8.522	2.68
99	MP4C	Mx	-.004	2.68
100	MP2A	X	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2A	Z	11.06	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	11.06	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	11.06	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.244	1.5
2	MP4A	Z	2.155	1.5
3	MP4A	Mx	-.000311	1.5
4	MP4B	X	-1.003	1.5
5	MP4B	Z	1.737	1.5
6	MP4B	Mx	.000494	1.5
7	MP4C	X	-1.244	1.5
8	MP4C	Z	2.155	1.5
9	MP4C	Mx	-.000311	1.5
10	MP4A	X	-11.404	.93
11	MP4A	Z	19.752	.93
12	MP4A	Mx	.022	.93
13	MP4A	X	-11.404	4.43
14	MP4A	Z	19.752	4.43
15	MP4A	Mx	.022	4.43
16	MP4B	X	-8.556	.93
17	MP4B	Z	14.82	.93
18	MP4B	Mx	-.015	.93
19	MP4B	X	-8.556	4.43
20	MP4B	Z	14.82	4.43
21	MP4B	Mx	-.015	4.43
22	MP4C	X	-11.404	.93
23	MP4C	Z	19.752	.93
24	MP4C	Mx	-.005	.93
25	MP4C	X	-11.404	4.43
26	MP4C	Z	19.752	4.43
27	MP4C	Mx	-.005	4.43
28	MP4A	X	-11.404	.93
29	MP4A	Z	19.752	.93
30	MP4A	Mx	-.005	.93
31	MP4A	X	-11.404	4.43
32	MP4A	Z	19.752	4.43
33	MP4A	Mx	-.005	4.43
34	MP4B	X	-8.556	.93
35	MP4B	Z	14.82	.93
36	MP4B	Mx	-.011	.93
37	MP4B	X	-8.556	4.43
38	MP4B	Z	14.82	4.43
39	MP4B	Mx	-.011	4.43
40	MP4C	X	-11.404	.93
41	MP4C	Z	19.752	.93
42	MP4C	Mx	.022	.93
43	MP4C	X	-11.404	4.43
44	MP4C	Z	19.752	4.43
45	MP4C	Mx	.022	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3A	X	-5.634	1.68
47	MP3A	Z	9.758	1.68
48	MP3A	Mx	.002	1.68
49	MP3A	X	-5.634	3.68
50	MP3A	Z	9.758	3.68
51	MP3A	Mx	.002	3.68
52	MP3B	X	-2.905	1.68
53	MP3B	Z	5.031	1.68
54	MP3B	Mx	-.002	1.68
55	MP3B	X	-2.905	3.68
56	MP3B	Z	5.031	3.68
57	MP3B	Mx	-.002	3.68
58	MP3C	X	-5.634	1.68
59	MP3C	Z	9.758	1.68
60	MP3C	Mx	.002	1.68
61	MP3C	X	-5.634	3.68
62	MP3C	Z	9.758	3.68
63	MP3C	Mx	.002	3.68
64	MP2A	X	-9.316	.18
65	MP2A	Z	16.136	.18
66	MP2A	Mx	.004	.18
67	MP2A	X	-9.316	5.18
68	MP2A	Z	16.136	5.18
69	MP2A	Mx	.004	5.18
70	MP2B	X	-6.2	.18
71	MP2B	Z	10.74	.18
72	MP2B	Mx	-.005	.18
73	MP2B	X	-6.2	5.18
74	MP2B	Z	10.74	5.18
75	MP2B	Mx	-.005	5.18
76	MP2C	X	-9.316	.18
77	MP2C	Z	16.136	.18
78	MP2C	Mx	.004	.18
79	MP2C	X	-9.316	5.18
80	MP2C	Z	16.136	5.18
81	MP2C	Mx	.004	5.18
82	MP1A	X	-2.334	2.68
83	MP1A	Z	4.042	2.68
84	MP1A	Mx	.000778	2.68
85	MP1B	X	-.88	2.68
86	MP1B	Z	1.524	2.68
87	MP1B	Mx	-.000578	2.68
88	MP1C	X	-2.334	2.68
89	MP1C	Z	4.042	2.68
90	MP1C	Mx	.000778	2.68
91	MP4A	X	-5.107	2.68
92	MP4A	Z	8.846	2.68
93	MP4A	Mx	-.003	2.68
94	MP4B	X	-3.889	2.68
95	MP4B	Z	6.736	2.68
96	MP4B	Mx	.004	2.68
97	MP4C	X	-5.107	2.68
98	MP4C	Z	8.846	2.68
99	MP4C	Mx	-.003	2.68
100	MP2A	X	-4.946	2.68
101	MP2A	Z	8.567	2.68
102	MP2A	Mx	-.002	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	-4.946	2.68
104	MP2B	Z	8.567	2.68
105	MP2B	Mx	-.002	2.68
106	MP2C	X	-4.946	2.68
107	MP2C	Z	8.567	2.68
108	MP2C	Mx	-.002	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.865	1.5
2	MP4A	Z	1.076	1.5
3	MP4A	Mx	-.000466	1.5
4	MP4B	X	-1.787	1.5
5	MP4B	Z	1.032	1.5
6	MP4B	Mx	.000485	1.5
7	MP4C	X	-2.3	1.5
8	MP4C	Z	1.328	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	-16.326	.93
11	MP4A	Z	9.426	.93
12	MP4A	Mx	.019	.93
13	MP4A	X	-16.326	4.43
14	MP4A	Z	9.426	4.43
15	MP4A	Mx	.019	4.43
16	MP4B	X	-15.415	.93
17	MP4B	Z	8.9	.93
18	MP4B	Mx	-.008	.93
19	MP4B	X	-15.415	4.43
20	MP4B	Z	8.9	4.43
21	MP4B	Mx	-.008	4.43
22	MP4C	X	-21.465	.93
23	MP4C	Z	12.393	.93
24	MP4C	Mx	-.017	.93
25	MP4C	X	-21.465	4.43
26	MP4C	Z	12.393	4.43
27	MP4C	Mx	-.017	4.43
28	MP4A	X	-16.326	.93
29	MP4A	Z	9.426	.93
30	MP4A	Mx	.006	.93
31	MP4A	X	-16.326	4.43
32	MP4A	Z	9.426	4.43
33	MP4A	Mx	.006	4.43
34	MP4B	X	-15.415	.93
35	MP4B	Z	8.9	.93
36	MP4B	Mx	-.017	.93
37	MP4B	X	-15.415	4.43
38	MP4B	Z	8.9	4.43
39	MP4B	Mx	-.017	4.43
40	MP4C	X	-21.465	.93
41	MP4C	Z	12.393	.93
42	MP4C	Mx	.017	.93
43	MP4C	X	-21.465	4.43
44	MP4C	Z	12.393	4.43
45	MP4C	Mx	.017	4.43
46	MP3A	X	-6.475	1.68
47	MP3A	Z	3.738	1.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3A	Mx	.003	1.68
49	MP3A	X	-6.475	3.68
50	MP3A	Z	3.738	3.68
51	MP3A	Mx	.003	3.68
52	MP3B	X	-5.601	1.68
53	MP3B	Z	3.234	1.68
54	MP3B	Mx	-.003	1.68
55	MP3B	X	-5.601	3.68
56	MP3B	Z	3.234	3.68
57	MP3B	Mx	-.003	3.68
58	MP3C	X	-11.4	1.68
59	MP3C	Z	6.582	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	-11.4	3.68
62	MP3C	Z	6.582	3.68
63	MP3C	Mx	0	3.68
64	MP2A	X	-12.388	.18
65	MP2A	Z	7.152	.18
66	MP2A	Mx	.005	.18
67	MP2A	X	-12.388	5.18
68	MP2A	Z	7.152	5.18
69	MP2A	Mx	.005	5.18
70	MP2B	X	-11.39	.18
71	MP2B	Z	6.576	.18
72	MP2B	Mx	-.005	.18
73	MP2B	X	-11.39	5.18
74	MP2B	Z	6.576	5.18
75	MP2B	Mx	-.005	5.18
76	MP2C	X	-18.011	.18
77	MP2C	Z	10.398	.18
78	MP2C	Mx	0	.18
79	MP2C	X	-18.011	5.18
80	MP2C	Z	10.398	5.18
81	MP2C	Mx	0	5.18
82	MP1A	X	-2.293	2.68
83	MP1A	Z	1.324	2.68
84	MP1A	Mx	.000764	2.68
85	MP1B	X	-1.828	2.68
86	MP1B	Z	1.055	2.68
87	MP1B	Mx	-.000661	2.68
88	MP1C	X	-4.916	2.68
89	MP1C	Z	2.838	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	-7.38	2.68
92	MP4A	Z	4.261	2.68
93	MP4A	Mx	-.004	2.68
94	MP4B	X	-6.991	2.68
95	MP4B	Z	4.036	2.68
96	MP4B	Mx	.004	2.68
97	MP4C	X	-9.578	2.68
98	MP4C	Z	5.53	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	-6.545	2.68
101	MP2A	Z	3.779	2.68
102	MP2A	Mx	-.003	2.68
103	MP2B	X	-6.545	2.68
104	MP2B	Z	3.779	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	-.003	2.68
106	MP2C	X	-6.545	2.68
107	MP2C	Z	3.779	2.68
108	MP2C	Mx	-.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.985	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.000496	1.5
4	MP4B	X	-2.379	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	.000382	1.5
7	MP4C	X	-2.488	1.5
8	MP4C	Z	0	1.5
9	MP4C	Mx	.000311	1.5
10	MP4A	X	-16.874	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	.013	.93
13	MP4A	X	-16.874	4.43
14	MP4A	Z	0	4.43
15	MP4A	Mx	.013	4.43
16	MP4B	X	-21.517	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	.000616	.93
19	MP4B	X	-21.517	4.43
20	MP4B	Z	0	4.43
21	MP4B	Mx	.000616	4.43
22	MP4C	X	-22.808	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	-.022	.93
25	MP4C	X	-22.808	4.43
26	MP4C	Z	0	4.43
27	MP4C	Mx	-.022	4.43
28	MP4A	X	-16.874	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	.013	.93
31	MP4A	X	-16.874	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	.013	4.43
34	MP4B	X	-21.517	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	-.021	.93
37	MP4B	X	-21.517	4.43
38	MP4B	Z	0	4.43
39	MP4B	Mx	-.021	4.43
40	MP4C	X	-22.808	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	.005	.93
43	MP4C	X	-22.808	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	.005	4.43
46	MP3A	X	-5.581	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	.002	1.68
49	MP3A	X	-5.581	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3A	Z	0	3.68
51	MP3A	Mx	.002	3.68
52	MP3B	X	-10.03	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	-.003	1.68
55	MP3B	X	-10.03	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	-.003	3.68
58	MP3C	X	-11.268	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	-.002	1.68
61	MP3C	X	-11.268	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	-.002	3.68
64	MP2A	X	-12.14	.18
65	MP2A	Z	0	.18
66	MP2A	Mx	.005	.18
67	MP2A	X	-12.14	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	.005	5.18
70	MP2B	X	-17.22	.18
71	MP2B	Z	0	.18
72	MP2B	Mx	-.005	.18
73	MP2B	X	-17.22	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	-.005	5.18
76	MP2C	X	-18.633	.18
77	MP2C	Z	0	.18
78	MP2C	Mx	-.004	.18
79	MP2C	X	-18.633	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	-.004	5.18
82	MP1A	X	-1.638	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	.000546	2.68
85	MP1B	X	-4.008	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.000859	2.68
88	MP1C	X	-4.667	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.000778	2.68
91	MP4A	X	-7.676	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	-.004	2.68
94	MP4B	X	-9.662	2.68
95	MP4B	Z	0	2.68
96	MP4B	Mx	.003	2.68
97	MP4C	X	-10.214	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	.003	2.68
100	MP2A	X	-6.39	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.003	2.68
103	MP2B	X	-6.39	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.003	2.68
106	MP2C	X	-6.39	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.865	1.5
2	MP4A	Z	-1.076	1.5
3	MP4A	Mx	-.000466	1.5
4	MP4B	X	-2.282	1.5
5	MP4B	Z	-1.318	1.5
6	MP4B	Mx	.000114	1.5
7	MP4C	X	-1.865	1.5
8	MP4C	Z	-1.076	1.5
9	MP4C	Mx	.000466	1.5
10	MP4A	X	-16.326	.93
11	MP4A	Z	-9.426	.93
12	MP4A	Mx	.006	.93
13	MP4A	X	-16.326	4.43
14	MP4A	Z	-9.426	4.43
15	MP4A	Mx	.006	4.43
16	MP4B	X	-21.259	.93
17	MP4B	Z	-12.274	.93
18	MP4B	Mx	.013	.93
19	MP4B	X	-21.259	4.43
20	MP4B	Z	-12.274	4.43
21	MP4B	Mx	.013	4.43
22	MP4C	X	-16.326	.93
23	MP4C	Z	-9.426	.93
24	MP4C	Mx	-.019	.93
25	MP4C	X	-16.326	4.43
26	MP4C	Z	-9.426	4.43
27	MP4C	Mx	-.019	4.43
28	MP4A	X	-16.326	.93
29	MP4A	Z	-9.426	.93
30	MP4A	Mx	.019	.93
31	MP4A	X	-16.326	4.43
32	MP4A	Z	-9.426	4.43
33	MP4A	Mx	.019	4.43
34	MP4B	X	-21.259	.93
35	MP4B	Z	-12.274	.93
36	MP4B	Mx	-.019	.93
37	MP4B	X	-21.259	4.43
38	MP4B	Z	-12.274	4.43
39	MP4B	Mx	-.019	4.43
40	MP4C	X	-16.326	.93
41	MP4C	Z	-9.426	.93
42	MP4C	Mx	-.006	.93
43	MP4C	X	-16.326	4.43
44	MP4C	Z	-9.426	4.43
45	MP4C	Mx	-.006	4.43
46	MP3A	X	-6.475	1.68
47	MP3A	Z	-3.738	1.68
48	MP3A	Mx	.003	1.68
49	MP3A	X	-6.475	3.68
50	MP3A	Z	-3.738	3.68
51	MP3A	Mx	.003	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3B	X	-11.202	1.68
53	MP3B	Z	-6.467	1.68
54	MP3B	Mx	-.000936	1.68
55	MP3B	X	-11.202	3.68
56	MP3B	Z	-6.467	3.68
57	MP3B	Mx	-.000936	3.68
58	MP3C	X	-6.475	1.68
59	MP3C	Z	-3.738	1.68
60	MP3C	Mx	-.003	1.68
61	MP3C	X	-6.475	3.68
62	MP3C	Z	-3.738	3.68
63	MP3C	Mx	-.003	3.68
64	MP2A	X	-12.388	.18
65	MP2A	Z	-7.152	.18
66	MP2A	Mx	.005	.18
67	MP2A	X	-12.388	5.18
68	MP2A	Z	-7.152	5.18
69	MP2A	Mx	.005	5.18
70	MP2B	X	-17.784	.18
71	MP2B	Z	-10.268	.18
72	MP2B	Mx	-.001	.18
73	MP2B	X	-17.784	5.18
74	MP2B	Z	-10.268	5.18
75	MP2B	Mx	-.001	5.18
76	MP2C	X	-12.388	.18
77	MP2C	Z	-7.152	.18
78	MP2C	Mx	-.005	.18
79	MP2C	X	-12.388	5.18
80	MP2C	Z	-7.152	5.18
81	MP2C	Mx	-.005	5.18
82	MP1A	X	-2.293	2.68
83	MP1A	Z	-1.324	2.68
84	MP1A	Mx	.000764	2.68
85	MP1B	X	-4.811	2.68
86	MP1B	Z	-2.777	2.68
87	MP1B	Mx	-.000322	2.68
88	MP1C	X	-2.293	2.68
89	MP1C	Z	-1.324	2.68
90	MP1C	Mx	-.000764	2.68
91	MP4A	X	-7.38	2.68
92	MP4A	Z	-4.261	2.68
93	MP4A	Mx	-.004	2.68
94	MP4B	X	-9.49	2.68
95	MP4B	Z	-5.479	2.68
96	MP4B	Mx	.000951	2.68
97	MP4C	X	-7.38	2.68
98	MP4C	Z	-4.261	2.68
99	MP4C	Mx	.004	2.68
100	MP2A	X	-6.545	2.68
101	MP2A	Z	-3.779	2.68
102	MP2A	Mx	-.003	2.68
103	MP2B	X	-6.545	2.68
104	MP2B	Z	-3.779	2.68
105	MP2B	Mx	-.003	2.68
106	MP2C	X	-6.545	2.68
107	MP2C	Z	-3.779	2.68
108	MP2C	Mx	-.003	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.244	1.5
2	MP4A	Z	-2.155	1.5
3	MP4A	Mx	-.000311	1.5
4	MP4B	X	-1.289	1.5
5	MP4B	Z	-2.232	1.5
6	MP4B	Mx	-.00022	1.5
7	MP4C	X	-.993	1.5
8	MP4C	Z	-1.719	1.5
9	MP4C	Mx	.000496	1.5
10	MP4A	X	-11.404	.93
11	MP4A	Z	-19.752	.93
12	MP4A	Mx	-.005	.93
13	MP4A	X	-11.404	4.43
14	MP4A	Z	-19.752	4.43
15	MP4A	Mx	-.005	4.43
16	MP4B	X	-11.93	.93
17	MP4B	Z	-20.664	.93
18	MP4B	Mx	.021	.93
19	MP4B	X	-11.93	4.43
20	MP4B	Z	-20.664	4.43
21	MP4B	Mx	.021	4.43
22	MP4C	X	-8.437	.93
23	MP4C	Z	-14.613	.93
24	MP4C	Mx	-.013	.93
25	MP4C	X	-8.437	4.43
26	MP4C	Z	-14.613	4.43
27	MP4C	Mx	-.013	4.43
28	MP4A	X	-11.404	.93
29	MP4A	Z	-19.752	.93
30	MP4A	Mx	.022	.93
31	MP4A	X	-11.404	4.43
32	MP4A	Z	-19.752	4.43
33	MP4A	Mx	.022	4.43
34	MP4B	X	-11.93	.93
35	MP4B	Z	-20.664	.93
36	MP4B	Mx	-.009	.93
37	MP4B	X	-11.93	4.43
38	MP4B	Z	-20.664	4.43
39	MP4B	Mx	-.009	4.43
40	MP4C	X	-8.437	.93
41	MP4C	Z	-14.613	.93
42	MP4C	Mx	-.013	.93
43	MP4C	X	-8.437	4.43
44	MP4C	Z	-14.613	4.43
45	MP4C	Mx	-.013	4.43
46	MP3A	X	-5.634	1.68
47	MP3A	Z	-9.758	1.68
48	MP3A	Mx	.002	1.68
49	MP3A	X	-5.634	3.68
50	MP3A	Z	-9.758	3.68
51	MP3A	Mx	.002	3.68
52	MP3B	X	-6.138	1.68
53	MP3B	Z	-10.632	1.68
54	MP3B	Mx	.002	1.68
55	MP3B	X	-6.138	3.68
56	MP3B	Z	-10.632	3.68
57	MP3B	Mx	.002	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-2.79	1.68
59	MP3C	Z	-4.833	1.68
60	MP3C	Mx	-.002	1.68
61	MP3C	X	-2.79	3.68
62	MP3C	Z	-4.833	3.68
63	MP3C	Mx	-.002	3.68
64	MP2A	X	-9.316	.18
65	MP2A	Z	-16.136	.18
66	MP2A	Mx	.004	.18
67	MP2A	X	-9.316	5.18
68	MP2A	Z	-16.136	5.18
69	MP2A	Mx	.004	5.18
70	MP2B	X	-9.892	.18
71	MP2B	Z	-17.134	.18
72	MP2B	Mx	.003	.18
73	MP2B	X	-9.892	5.18
74	MP2B	Z	-17.134	5.18
75	MP2B	Mx	.003	5.18
76	MP2C	X	-6.07	.18
77	MP2C	Z	-10.514	.18
78	MP2C	Mx	-.005	.18
79	MP2C	X	-6.07	5.18
80	MP2C	Z	-10.514	5.18
81	MP2C	Mx	-.005	5.18
82	MP1A	X	-2.334	2.68
83	MP1A	Z	-4.042	2.68
84	MP1A	Mx	.000778	2.68
85	MP1B	X	-2.602	2.68
86	MP1B	Z	-4.507	2.68
87	MP1B	Mx	.000593	2.68
88	MP1C	X	-.819	2.68
89	MP1C	Z	-1.419	2.68
90	MP1C	Mx	-.000546	2.68
91	MP4A	X	-5.107	2.68
92	MP4A	Z	-8.846	2.68
93	MP4A	Mx	-.003	2.68
94	MP4B	X	-5.332	2.68
95	MP4B	Z	-9.235	2.68
96	MP4B	Mx	-.002	2.68
97	MP4C	X	-3.838	2.68
98	MP4C	Z	-6.648	2.68
99	MP4C	Mx	.004	2.68
100	MP2A	X	-4.946	2.68
101	MP2A	Z	-8.567	2.68
102	MP2A	Mx	-.002	2.68
103	MP2B	X	-4.946	2.68
104	MP2B	Z	-8.567	2.68
105	MP2B	Mx	-.002	2.68
106	MP2C	X	-4.946	2.68
107	MP2C	Z	-8.567	2.68
108	MP2C	Mx	-.002	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	-.665	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	-.545	1.5
6	MP4B	Mx	-.000104	1.5
7	MP4C	X	0	1.5
8	MP4C	Z	-.511	1.5
9	MP4C	Mx	.000111	1.5
10	MP4A	X	0	.93
11	MP4A	Z	-8.184	.93
12	MP4A	Mx	-.005	.93
13	MP4A	X	0	4.43
14	MP4A	Z	-8.184	4.43
15	MP4A	Mx	-.005	4.43
16	MP4B	X	0	.93
17	MP4B	Z	-6.536	.93
18	MP4B	Mx	.007	.93
19	MP4B	X	0	4.43
20	MP4B	Z	-6.536	4.43
21	MP4B	Mx	.007	4.43
22	MP4C	X	0	.93
23	MP4C	Z	-6.077	.93
24	MP4C	Mx	-.002	.93
25	MP4C	X	0	4.43
26	MP4C	Z	-6.077	4.43
27	MP4C	Mx	-.002	4.43
28	MP4A	X	0	.93
29	MP4A	Z	-8.184	.93
30	MP4A	Mx	.005	.93
31	MP4A	X	0	4.43
32	MP4A	Z	-8.184	4.43
33	MP4A	Mx	.005	4.43
34	MP4B	X	0	.93
35	MP4B	Z	-6.536	.93
36	MP4B	Mx	.000954	.93
37	MP4B	X	0	4.43
38	MP4B	Z	-6.536	4.43
39	MP4B	Mx	.000954	4.43
40	MP4C	X	0	.93
41	MP4C	Z	-6.077	.93
42	MP4C	Mx	-.006	.93
43	MP4C	X	0	4.43
44	MP4C	Z	-6.077	4.43
45	MP4C	Mx	-.006	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	-4.222	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	-4.222	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	-2.715	1.68
54	MP3B	Mx	.000867	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	-2.715	3.68
57	MP3B	Mx	.000867	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	-2.295	1.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3C	Mx	-.000828	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	-2.295	3.68
63	MP3C	Mx	-.000828	3.68
64	MP2A	X	0	.18
65	MP2A	Z	-6.8	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	-6.8	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	-5.002	.18
72	MP2B	Mx	.002	.18
73	MP2B	X	0	5.18
74	MP2B	Z	-5.002	5.18
75	MP2B	Mx	.002	5.18
76	MP2C	X	0	.18
77	MP2C	Z	-4.502	.18
78	MP2C	Mx	-.002	.18
79	MP2C	X	0	5.18
80	MP2C	Z	-4.502	5.18
81	MP2C	Mx	-.002	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	-1.599	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	-.845	2.68
87	MP1B	Mx	.000216	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	-.635	2.68
90	MP1C	Mx	-.000183	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	-3.36	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	-2.706	2.68
96	MP4B	Mx	-.001	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	-2.524	2.68
99	MP4C	Mx	.001	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	-3.36	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	-3.36	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	-3.36	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.307	1.5
2	MP4A	Z	-.531	1.5
3	MP4A	Mx	7.7e-5	1.5
4	MP4B	X	.233	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4B	Z	-.404	1.5
6	MP4B	Mx	-.000115	1.5
7	MP4C	X	.307	1.5
8	MP4C	Z	-.531	1.5
9	MP4C	Mx	7.7e-5	1.5
10	MP4A	X	3.741	.93
11	MP4A	Z	-6.479	.93
12	MP4A	Mx	-.007	.93
13	MP4A	X	3.741	4.43
14	MP4A	Z	-6.479	4.43
15	MP4A	Mx	-.007	4.43
16	MP4B	X	2.73	.93
17	MP4B	Z	-4.728	.93
18	MP4B	Mx	.005	.93
19	MP4B	X	2.73	4.43
20	MP4B	Z	-4.728	4.43
21	MP4B	Mx	.005	4.43
22	MP4C	X	3.741	.93
23	MP4C	Z	-6.479	.93
24	MP4C	Mx	.002	.93
25	MP4C	X	3.741	4.43
26	MP4C	Z	-6.479	4.43
27	MP4C	Mx	.002	4.43
28	MP4A	X	3.741	.93
29	MP4A	Z	-6.479	.93
30	MP4A	Mx	.002	.93
31	MP4A	X	3.741	4.43
32	MP4A	Z	-6.479	4.43
33	MP4A	Mx	.002	4.43
34	MP4B	X	2.73	.93
35	MP4B	Z	-4.728	.93
36	MP4B	Mx	.003	.93
37	MP4B	X	2.73	4.43
38	MP4B	Z	-4.728	4.43
39	MP4B	Mx	.003	4.43
40	MP4C	X	3.741	.93
41	MP4C	Z	-6.479	.93
42	MP4C	Mx	-.007	.93
43	MP4C	X	3.741	4.43
44	MP4C	Z	-6.479	4.43
45	MP4C	Mx	-.007	4.43
46	MP3A	X	1.79	1.68
47	MP3A	Z	-3.1	1.68
48	MP3A	Mx	-.000746	1.68
49	MP3A	X	1.79	3.68
50	MP3A	Z	-3.1	3.68
51	MP3A	Mx	-.000746	3.68
52	MP3B	X	.865	1.68
53	MP3B	Z	-1.499	1.68
54	MP3B	Mx	.00071	1.68
55	MP3B	X	.865	3.68
56	MP3B	Z	-1.499	3.68
57	MP3B	Mx	.00071	3.68
58	MP3C	X	1.79	1.68
59	MP3C	Z	-3.1	1.68
60	MP3C	Mx	-.000746	1.68
61	MP3C	X	1.79	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3C	Z	-3.1	3.68
63	MP3C	Mx	-.000746	3.68
64	MP2A	X	3.017	.18
65	MP2A	Z	-5.226	.18
66	MP2A	Mx	-.001	.18
67	MP2A	X	3.017	5.18
68	MP2A	Z	-5.226	5.18
69	MP2A	Mx	-.001	5.18
70	MP2B	X	1.914	.18
71	MP2B	Z	-3.315	.18
72	MP2B	Mx	.002	.18
73	MP2B	X	1.914	5.18
74	MP2B	Z	-3.315	5.18
75	MP2B	Mx	.002	5.18
76	MP2C	X	3.017	.18
77	MP2C	Z	-5.226	.18
78	MP2C	Mx	-.001	.18
79	MP2C	X	3.017	5.18
80	MP2C	Z	-5.226	5.18
81	MP2C	Mx	-.001	5.18
82	MP1A	X	.639	2.68
83	MP1A	Z	-1.107	2.68
84	MP1A	Mx	-.000213	2.68
85	MP1B	X	.176	2.68
86	MP1B	Z	-.305	2.68
87	MP1B	Mx	.000116	2.68
88	MP1C	X	.639	2.68
89	MP1C	Z	-1.107	2.68
90	MP1C	Mx	-.000213	2.68
91	MP4A	X	1.541	2.68
92	MP4A	Z	-2.668	2.68
93	MP4A	Mx	.00077	2.68
94	MP4B	X	1.14	2.68
95	MP4B	Z	-1.974	2.68
96	MP4B	Mx	-.001	2.68
97	MP4C	X	1.541	2.68
98	MP4C	Z	-2.668	2.68
99	MP4C	Mx	.00077	2.68
100	MP2A	X	1.487	2.68
101	MP2A	Z	-2.576	2.68
102	MP2A	Mx	.000744	2.68
103	MP2B	X	1.487	2.68
104	MP2B	Z	-2.576	2.68
105	MP2B	Mx	.000744	2.68
106	MP2C	X	1.487	2.68
107	MP2C	Z	-2.576	2.68
108	MP2C	Mx	.000744	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.443	1.5
2	MP4A	Z	-.256	1.5
3	MP4A	Mx	.000111	1.5
4	MP4B	X	.419	1.5
5	MP4B	Z	-.242	1.5
6	MP4B	Mx	-.000114	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4C	X	.576	1.5
8	MP4C	Z	-.332	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	5.263	.93
11	MP4A	Z	-3.039	.93
12	MP4A	Mx	-.006	.93
13	MP4A	X	5.263	4.43
14	MP4A	Z	-3.039	4.43
15	MP4A	Mx	-.006	4.43
16	MP4B	X	4.939	.93
17	MP4B	Z	-2.852	.93
18	MP4B	Mx	.003	.93
19	MP4B	X	4.939	4.43
20	MP4B	Z	-2.852	4.43
21	MP4B	Mx	.003	4.43
22	MP4C	X	7.087	.93
23	MP4C	Z	-4.092	.93
24	MP4C	Mx	.005	.93
25	MP4C	X	7.087	4.43
26	MP4C	Z	-4.092	4.43
27	MP4C	Mx	.005	4.43
28	MP4A	X	5.263	.93
29	MP4A	Z	-3.039	.93
30	MP4A	Mx	-.002	.93
31	MP4A	X	5.263	4.43
32	MP4A	Z	-3.039	4.43
33	MP4A	Mx	-.002	4.43
34	MP4B	X	4.939	.93
35	MP4B	Z	-2.852	.93
36	MP4B	Mx	.005	.93
37	MP4B	X	4.939	4.43
38	MP4B	Z	-2.852	4.43
39	MP4B	Mx	.005	4.43
40	MP4C	X	7.087	.93
41	MP4C	Z	-4.092	.93
42	MP4C	Mx	-.005	.93
43	MP4C	X	7.087	4.43
44	MP4C	Z	-4.092	4.43
45	MP4C	Mx	-.005	4.43
46	MP3A	X	1.988	1.68
47	MP3A	Z	-1.148	1.68
48	MP3A	Mx	-.000828	1.68
49	MP3A	X	1.988	3.68
50	MP3A	Z	-1.148	3.68
51	MP3A	Mx	-.000828	3.68
52	MP3B	X	1.692	1.68
53	MP3B	Z	-.977	1.68
54	MP3B	Mx	.000765	1.68
55	MP3B	X	1.692	3.68
56	MP3B	Z	-.977	3.68
57	MP3B	Mx	.000765	3.68
58	MP3C	X	3.657	1.68
59	MP3C	Z	-2.111	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	3.657	3.68
62	MP3C	Z	-2.111	3.68
63	MP3C	Mx	0	3.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	3.899	.18
65	MP2A	Z	-2.251	.18
66	MP2A	Mx	-.002	.18
67	MP2A	X	3.899	5.18
68	MP2A	Z	-2.251	5.18
69	MP2A	Mx	-.002	5.18
70	MP2B	X	3.545	.18
71	MP2B	Z	-2.047	.18
72	MP2B	Mx	.002	.18
73	MP2B	X	3.545	5.18
74	MP2B	Z	-2.047	5.18
75	MP2B	Mx	.002	5.18
76	MP2C	X	5.889	.18
77	MP2C	Z	-3.4	.18
78	MP2C	Mx	0	.18
79	MP2C	X	5.889	5.18
80	MP2C	Z	-3.4	5.18
81	MP2C	Mx	0	5.18
82	MP1A	X	.55	2.68
83	MP1A	Z	-.317	2.68
84	MP1A	Mx	-.000183	2.68
85	MP1B	X	.402	2.68
86	MP1B	Z	-.232	2.68
87	MP1B	Mx	.000145	2.68
88	MP1C	X	1.385	2.68
89	MP1C	Z	-.8	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	2.186	2.68
92	MP4A	Z	-1.262	2.68
93	MP4A	Mx	.001	2.68
94	MP4B	X	2.058	2.68
95	MP4B	Z	-1.188	2.68
96	MP4B	Mx	-.001	2.68
97	MP4C	X	2.91	2.68
98	MP4C	Z	-1.68	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	1.909	2.68
101	MP2A	Z	-1.102	2.68
102	MP2A	Mx	.000954	2.68
103	MP2B	X	1.909	2.68
104	MP2B	Z	-1.102	2.68
105	MP2B	Mx	.000954	2.68
106	MP2C	X	1.909	2.68
107	MP2C	Z	-1.102	2.68
108	MP2C	Mx	.000954	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.46	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	.000115	1.5
4	MP4B	X	.58	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	-9.3e-5	1.5
7	MP4C	X	.614	1.5
8	MP4C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4C	Mx	-7.7e-5	1.5
10	MP4A	X	5.375	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	-.004	.93
13	MP4A	X	5.375	4.43
14	MP4A	Z	0	4.43
15	MP4A	Mx	-.004	4.43
16	MP4B	X	7.023	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	-.000201	.93
19	MP4B	X	7.023	4.43
20	MP4B	Z	0	4.43
21	MP4B	Mx	-.000201	4.43
22	MP4C	X	7.482	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	.007	.93
25	MP4C	X	7.482	4.43
26	MP4C	Z	0	4.43
27	MP4C	Mx	.007	4.43
28	MP4A	X	5.375	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	-.004	.93
31	MP4A	X	5.375	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	-.004	4.43
34	MP4B	X	7.023	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	.007	.93
37	MP4B	X	7.023	4.43
38	MP4B	Z	0	4.43
39	MP4B	Mx	.007	4.43
40	MP4C	X	7.482	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	-.002	.93
43	MP4C	X	7.482	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	-.002	4.43
46	MP3A	X	1.653	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	-.000689	1.68
49	MP3A	X	1.653	3.68
50	MP3A	Z	0	3.68
51	MP3A	Mx	-.000689	3.68
52	MP3B	X	3.161	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	.000847	1.68
55	MP3B	X	3.161	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	.000847	3.68
58	MP3C	X	3.58	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	.000746	1.68
61	MP3C	X	3.58	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	.000746	3.68
64	MP2A	X	3.735	.18
65	MP2A	Z	0	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.002	.18
67	MP2A	X	3.735	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	-.002	5.18
70	MP2B	X	5.534	.18
71	MP2B	Z	0	.18
72	MP2B	Mx	.001	.18
73	MP2B	X	5.534	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	.001	5.18
76	MP2C	X	6.034	.18
77	MP2C	Z	0	.18
78	MP2C	Mx	.001	.18
79	MP2C	X	6.034	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	.001	5.18
82	MP1A	X	.314	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	-.000105	2.68
85	MP1B	X	1.068	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	.000229	2.68
88	MP1C	X	1.278	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	.000213	2.68
91	MP4A	X	2.246	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	.001	2.68
94	MP4B	X	2.9	2.68
95	MP4B	Z	0	2.68
96	MP4B	Mx	-.000932	2.68
97	MP4C	X	3.081	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	-.00077	2.68
100	MP2A	X	1.819	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	.000909	2.68
103	MP2B	X	1.819	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	.000909	2.68
106	MP2C	X	1.819	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	.000909	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.443	1.5
2	MP4A	Z	.256	1.5
3	MP4A	Mx	.000111	1.5
4	MP4B	X	.57	1.5
5	MP4B	Z	.329	1.5
6	MP4B	Mx	-2.9e-5	1.5
7	MP4C	X	.443	1.5
8	MP4C	Z	.256	1.5
9	MP4C	Mx	-.000111	1.5
10	MP4A	X	5.263	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4A	Z	3.039	.93
12	MP4A	Mx	-.002	.93
13	MP4A	X	5.263	4.43
14	MP4A	Z	3.039	4.43
15	MP4A	Mx	-.002	4.43
16	MP4B	X	7.014	.93
17	MP4B	Z	4.05	.93
18	MP4B	Mx	-.004	.93
19	MP4B	X	7.014	4.43
20	MP4B	Z	4.05	4.43
21	MP4B	Mx	-.004	4.43
22	MP4C	X	5.263	.93
23	MP4C	Z	3.039	.93
24	MP4C	Mx	.006	.93
25	MP4C	X	5.263	4.43
26	MP4C	Z	3.039	4.43
27	MP4C	Mx	.006	4.43
28	MP4A	X	5.263	.93
29	MP4A	Z	3.039	.93
30	MP4A	Mx	-.006	.93
31	MP4A	X	5.263	4.43
32	MP4A	Z	3.039	4.43
33	MP4A	Mx	-.006	4.43
34	MP4B	X	7.014	.93
35	MP4B	Z	4.05	.93
36	MP4B	Mx	.006	.93
37	MP4B	X	7.014	4.43
38	MP4B	Z	4.05	4.43
39	MP4B	Mx	.006	4.43
40	MP4C	X	5.263	.93
41	MP4C	Z	3.039	.93
42	MP4C	Mx	.002	.93
43	MP4C	X	5.263	4.43
44	MP4C	Z	3.039	4.43
45	MP4C	Mx	.002	4.43
46	MP3A	X	1.988	1.68
47	MP3A	Z	1.148	1.68
48	MP3A	Mx	-.000828	1.68
49	MP3A	X	1.988	3.68
50	MP3A	Z	1.148	3.68
51	MP3A	Mx	-.000828	3.68
52	MP3B	X	3.589	1.68
53	MP3B	Z	2.072	1.68
54	MP3B	Mx	.0003	1.68
55	MP3B	X	3.589	3.68
56	MP3B	Z	2.072	3.68
57	MP3B	Mx	.0003	3.68
58	MP3C	X	1.988	1.68
59	MP3C	Z	1.148	1.68
60	MP3C	Mx	.000828	1.68
61	MP3C	X	1.988	3.68
62	MP3C	Z	1.148	3.68
63	MP3C	Mx	.000828	3.68
64	MP2A	X	3.899	.18
65	MP2A	Z	2.251	.18
66	MP2A	Mx	-.002	.18
67	MP2A	X	3.899	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	2.251	5.18
69	MP2A	Mx	-.002	5.18
70	MP2B	X	5.809	.18
71	MP2B	Z	3.354	.18
72	MP2B	Mx	.000485	.18
73	MP2B	X	5.809	5.18
74	MP2B	Z	3.354	5.18
75	MP2B	Mx	.000485	5.18
76	MP2C	X	3.899	.18
77	MP2C	Z	2.251	.18
78	MP2C	Mx	.002	.18
79	MP2C	X	3.899	5.18
80	MP2C	Z	2.251	5.18
81	MP2C	Mx	.002	5.18
82	MP1A	X	.55	2.68
83	MP1A	Z	.317	2.68
84	MP1A	Mx	-.000183	2.68
85	MP1B	X	1.351	2.68
86	MP1B	Z	.78	2.68
87	MP1B	Mx	9e-5	2.68
88	MP1C	X	.55	2.68
89	MP1C	Z	.317	2.68
90	MP1C	Mx	.000183	2.68
91	MP4A	X	2.186	2.68
92	MP4A	Z	1.262	2.68
93	MP4A	Mx	.001	2.68
94	MP4B	X	2.881	2.68
95	MP4B	Z	1.663	2.68
96	MP4B	Mx	-.000289	2.68
97	MP4C	X	2.186	2.68
98	MP4C	Z	1.262	2.68
99	MP4C	Mx	-.001	2.68
100	MP2A	X	1.909	2.68
101	MP2A	Z	1.102	2.68
102	MP2A	Mx	.000954	2.68
103	MP2B	X	1.909	2.68
104	MP2B	Z	1.102	2.68
105	MP2B	Mx	.000954	2.68
106	MP2C	X	1.909	2.68
107	MP2C	Z	1.102	2.68
108	MP2C	Mx	.000954	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.307	1.5
2	MP4A	Z	.531	1.5
3	MP4A	Mx	7.7e-5	1.5
4	MP4B	X	.32	1.5
5	MP4B	Z	.555	1.5
6	MP4B	Mx	5.5e-5	1.5
7	MP4C	X	.23	1.5
8	MP4C	Z	.398	1.5
9	MP4C	Mx	-.000115	1.5
10	MP4A	X	3.741	.93
11	MP4A	Z	6.479	.93
12	MP4A	Mx	.002	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4A	X	3.741	4.43
14	MP4A	Z	6.479	4.43
15	MP4A	Mx	.002	4.43
16	MP4B	X	3.928	.93
17	MP4B	Z	6.803	.93
18	MP4B	Mx	-.007	.93
19	MP4B	X	3.928	4.43
20	MP4B	Z	6.803	4.43
21	MP4B	Mx	-.007	4.43
22	MP4C	X	2.688	.93
23	MP4C	Z	4.655	.93
24	MP4C	Mx	.004	.93
25	MP4C	X	2.688	4.43
26	MP4C	Z	4.655	4.43
27	MP4C	Mx	.004	4.43
28	MP4A	X	3.741	.93
29	MP4A	Z	6.479	.93
30	MP4A	Mx	-.007	.93
31	MP4A	X	3.741	4.43
32	MP4A	Z	6.479	4.43
33	MP4A	Mx	-.007	4.43
34	MP4B	X	3.928	.93
35	MP4B	Z	6.803	.93
36	MP4B	Mx	.003	.93
37	MP4B	X	3.928	4.43
38	MP4B	Z	6.803	4.43
39	MP4B	Mx	.003	4.43
40	MP4C	X	2.688	.93
41	MP4C	Z	4.655	.93
42	MP4C	Mx	.004	.93
43	MP4C	X	2.688	4.43
44	MP4C	Z	4.655	4.43
45	MP4C	Mx	.004	4.43
46	MP3A	X	1.79	1.68
47	MP3A	Z	3.1	1.68
48	MP3A	Mx	-.000746	1.68
49	MP3A	X	1.79	3.68
50	MP3A	Z	3.1	3.68
51	MP3A	Mx	-.000746	3.68
52	MP3B	X	1.961	1.68
53	MP3B	Z	3.396	1.68
54	MP3B	Mx	-.000559	1.68
55	MP3B	X	1.961	3.68
56	MP3B	Z	3.396	3.68
57	MP3B	Mx	-.000559	3.68
58	MP3C	X	.826	1.68
59	MP3C	Z	1.432	1.68
60	MP3C	Mx	.000689	1.68
61	MP3C	X	.826	3.68
62	MP3C	Z	1.432	3.68
63	MP3C	Mx	.000689	3.68
64	MP2A	X	3.017	.18
65	MP2A	Z	5.226	.18
66	MP2A	Mx	-.001	.18
67	MP2A	X	3.017	5.18
68	MP2A	Z	5.226	5.18
69	MP2A	Mx	-.001	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	3.221	.18
71	MP2B	Z	5.579	.18
72	MP2B	Mx	-.000918	.18
73	MP2B	X	3.221	5.18
74	MP2B	Z	5.579	5.18
75	MP2B	Mx	-.000918	5.18
76	MP2C	X	1.868	.18
77	MP2C	Z	3.235	.18
78	MP2C	Mx	.002	.18
79	MP2C	X	1.868	5.18
80	MP2C	Z	3.235	5.18
81	MP2C	Mx	.002	5.18
82	MP1A	X	.639	2.68
83	MP1A	Z	1.107	2.68
84	MP1A	Mx	-.000213	2.68
85	MP1B	X	.724	2.68
86	MP1B	Z	1.255	2.68
87	MP1B	Mx	-.000165	2.68
88	MP1C	X	.157	2.68
89	MP1C	Z	.272	2.68
90	MP1C	Mx	.000105	2.68
91	MP4A	X	1.541	2.68
92	MP4A	Z	2.668	2.68
93	MP4A	Mx	.00077	2.68
94	MP4B	X	1.615	2.68
95	MP4B	Z	2.797	2.68
96	MP4B	Mx	.000552	2.68
97	MP4C	X	1.123	2.68
98	MP4C	Z	1.945	2.68
99	MP4C	Mx	-.001	2.68
100	MP2A	X	1.487	2.68
101	MP2A	Z	2.576	2.68
102	MP2A	Mx	.000744	2.68
103	MP2B	X	1.487	2.68
104	MP2B	Z	2.576	2.68
105	MP2B	Mx	.000744	2.68
106	MP2C	X	1.487	2.68
107	MP2C	Z	2.576	2.68
108	MP2C	Mx	.000744	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.5
2	MP4A	Z	.665	1.5
3	MP4A	Mx	0	1.5
4	MP4B	X	0	1.5
5	MP4B	Z	.545	1.5
6	MP4B	Mx	.000104	1.5
7	MP4C	X	0	1.5
8	MP4C	Z	.511	1.5
9	MP4C	Mx	-.000111	1.5
10	MP4A	X	0	.93
11	MP4A	Z	8.184	.93
12	MP4A	Mx	.005	.93
13	MP4A	X	0	4.43
14	MP4A	Z	8.184	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4A	Mx	.005	4.43
16	MP4B	X	0	.93
17	MP4B	Z	6.536	.93
18	MP4B	Mx	-.007	.93
19	MP4B	X	0	4.43
20	MP4B	Z	6.536	4.43
21	MP4B	Mx	-.007	4.43
22	MP4C	X	0	.93
23	MP4C	Z	6.077	.93
24	MP4C	Mx	.002	.93
25	MP4C	X	0	4.43
26	MP4C	Z	6.077	4.43
27	MP4C	Mx	.002	4.43
28	MP4A	X	0	.93
29	MP4A	Z	8.184	.93
30	MP4A	Mx	-.005	.93
31	MP4A	X	0	4.43
32	MP4A	Z	8.184	4.43
33	MP4A	Mx	-.005	4.43
34	MP4B	X	0	.93
35	MP4B	Z	6.536	.93
36	MP4B	Mx	-.000954	.93
37	MP4B	X	0	4.43
38	MP4B	Z	6.536	4.43
39	MP4B	Mx	-.000954	4.43
40	MP4C	X	0	.93
41	MP4C	Z	6.077	.93
42	MP4C	Mx	.006	.93
43	MP4C	X	0	4.43
44	MP4C	Z	6.077	4.43
45	MP4C	Mx	.006	4.43
46	MP3A	X	0	1.68
47	MP3A	Z	4.222	1.68
48	MP3A	Mx	0	1.68
49	MP3A	X	0	3.68
50	MP3A	Z	4.222	3.68
51	MP3A	Mx	0	3.68
52	MP3B	X	0	1.68
53	MP3B	Z	2.715	1.68
54	MP3B	Mx	-.000867	1.68
55	MP3B	X	0	3.68
56	MP3B	Z	2.715	3.68
57	MP3B	Mx	-.000867	3.68
58	MP3C	X	0	1.68
59	MP3C	Z	2.295	1.68
60	MP3C	Mx	.000828	1.68
61	MP3C	X	0	3.68
62	MP3C	Z	2.295	3.68
63	MP3C	Mx	.000828	3.68
64	MP2A	X	0	.18
65	MP2A	Z	6.8	.18
66	MP2A	Mx	0	.18
67	MP2A	X	0	5.18
68	MP2A	Z	6.8	5.18
69	MP2A	Mx	0	5.18
70	MP2B	X	0	.18
71	MP2B	Z	5.002	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	-.002	.18
73	MP2B	X	0	5.18
74	MP2B	Z	5.002	5.18
75	MP2B	Mx	-.002	5.18
76	MP2C	X	0	.18
77	MP2C	Z	4.502	.18
78	MP2C	Mx	.002	.18
79	MP2C	X	0	5.18
80	MP2C	Z	4.502	5.18
81	MP2C	Mx	.002	5.18
82	MP1A	X	0	2.68
83	MP1A	Z	1.599	2.68
84	MP1A	Mx	0	2.68
85	MP1B	X	0	2.68
86	MP1B	Z	.845	2.68
87	MP1B	Mx	-.000216	2.68
88	MP1C	X	0	2.68
89	MP1C	Z	.635	2.68
90	MP1C	Mx	.000183	2.68
91	MP4A	X	0	2.68
92	MP4A	Z	3.36	2.68
93	MP4A	Mx	0	2.68
94	MP4B	X	0	2.68
95	MP4B	Z	2.706	2.68
96	MP4B	Mx	.001	2.68
97	MP4C	X	0	2.68
98	MP4C	Z	2.524	2.68
99	MP4C	Mx	-.001	2.68
100	MP2A	X	0	2.68
101	MP2A	Z	3.36	2.68
102	MP2A	Mx	0	2.68
103	MP2B	X	0	2.68
104	MP2B	Z	3.36	2.68
105	MP2B	Mx	0	2.68
106	MP2C	X	0	2.68
107	MP2C	Z	3.36	2.68
108	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-.307	1.5
2	MP4A	Z	.531	1.5
3	MP4A	Mx	-7.7e-5	1.5
4	MP4B	X	-.233	1.5
5	MP4B	Z	.404	1.5
6	MP4B	Mx	.000115	1.5
7	MP4C	X	-.307	1.5
8	MP4C	Z	.531	1.5
9	MP4C	Mx	-7.7e-5	1.5
10	MP4A	X	-3.741	.93
11	MP4A	Z	6.479	.93
12	MP4A	Mx	.007	.93
13	MP4A	X	-3.741	4.43
14	MP4A	Z	6.479	4.43
15	MP4A	Mx	.007	4.43
16	MP4B	X	-2.73	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4B	Z	4.728	.93
18	MP4B	Mx	-.005	.93
19	MP4B	X	-2.73	4.43
20	MP4B	Z	4.728	4.43
21	MP4B	Mx	-.005	4.43
22	MP4C	X	-3.741	.93
23	MP4C	Z	6.479	.93
24	MP4C	Mx	-.002	.93
25	MP4C	X	-3.741	4.43
26	MP4C	Z	6.479	4.43
27	MP4C	Mx	-.002	4.43
28	MP4A	X	-3.741	.93
29	MP4A	Z	6.479	.93
30	MP4A	Mx	-.002	.93
31	MP4A	X	-3.741	4.43
32	MP4A	Z	6.479	4.43
33	MP4A	Mx	-.002	4.43
34	MP4B	X	-2.73	.93
35	MP4B	Z	4.728	.93
36	MP4B	Mx	-.003	.93
37	MP4B	X	-2.73	4.43
38	MP4B	Z	4.728	4.43
39	MP4B	Mx	-.003	4.43
40	MP4C	X	-3.741	.93
41	MP4C	Z	6.479	.93
42	MP4C	Mx	.007	.93
43	MP4C	X	-3.741	4.43
44	MP4C	Z	6.479	4.43
45	MP4C	Mx	.007	4.43
46	MP3A	X	-1.79	1.68
47	MP3A	Z	3.1	1.68
48	MP3A	Mx	.000746	1.68
49	MP3A	X	-1.79	3.68
50	MP3A	Z	3.1	3.68
51	MP3A	Mx	.000746	3.68
52	MP3B	X	-.865	1.68
53	MP3B	Z	1.499	1.68
54	MP3B	Mx	-.00071	1.68
55	MP3B	X	-.865	3.68
56	MP3B	Z	1.499	3.68
57	MP3B	Mx	-.00071	3.68
58	MP3C	X	-1.79	1.68
59	MP3C	Z	3.1	1.68
60	MP3C	Mx	.000746	1.68
61	MP3C	X	-1.79	3.68
62	MP3C	Z	3.1	3.68
63	MP3C	Mx	.000746	3.68
64	MP2A	X	-3.017	.18
65	MP2A	Z	5.226	.18
66	MP2A	Mx	.001	.18
67	MP2A	X	-3.017	5.18
68	MP2A	Z	5.226	5.18
69	MP2A	Mx	.001	5.18
70	MP2B	X	-1.914	.18
71	MP2B	Z	3.315	.18
72	MP2B	Mx	-.002	.18
73	MP2B	X	-1.914	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	Z	3.315	5.18
75	MP2B	Mx	-.002	5.18
76	MP2C	X	-3.017	.18
77	MP2C	Z	5.226	.18
78	MP2C	Mx	.001	.18
79	MP2C	X	-3.017	5.18
80	MP2C	Z	5.226	5.18
81	MP2C	Mx	.001	5.18
82	MP1A	X	-.639	2.68
83	MP1A	Z	1.107	2.68
84	MP1A	Mx	.000213	2.68
85	MP1B	X	-.176	2.68
86	MP1B	Z	.305	2.68
87	MP1B	Mx	-.000116	2.68
88	MP1C	X	-.639	2.68
89	MP1C	Z	1.107	2.68
90	MP1C	Mx	.000213	2.68
91	MP4A	X	-1.541	2.68
92	MP4A	Z	2.668	2.68
93	MP4A	Mx	-.00077	2.68
94	MP4B	X	-1.14	2.68
95	MP4B	Z	1.974	2.68
96	MP4B	Mx	.001	2.68
97	MP4C	X	-1.541	2.68
98	MP4C	Z	2.668	2.68
99	MP4C	Mx	-.00077	2.68
100	MP2A	X	-1.487	2.68
101	MP2A	Z	2.576	2.68
102	MP2A	Mx	-.000744	2.68
103	MP2B	X	-1.487	2.68
104	MP2B	Z	2.576	2.68
105	MP2B	Mx	-.000744	2.68
106	MP2C	X	-1.487	2.68
107	MP2C	Z	2.576	2.68
108	MP2C	Mx	-.000744	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-.443	1.5
2	MP4A	Z	.256	1.5
3	MP4A	Mx	-.000111	1.5
4	MP4B	X	-.419	1.5
5	MP4B	Z	.242	1.5
6	MP4B	Mx	.000114	1.5
7	MP4C	X	-.576	1.5
8	MP4C	Z	.332	1.5
9	MP4C	Mx	0	1.5
10	MP4A	X	-5.263	.93
11	MP4A	Z	3.039	.93
12	MP4A	Mx	.006	.93
13	MP4A	X	-5.263	4.43
14	MP4A	Z	3.039	4.43
15	MP4A	Mx	.006	4.43
16	MP4B	X	-4.939	.93
17	MP4B	Z	2.852	.93
18	MP4B	Mx	-.003	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP4B	X	-4.939	4.43
20	MP4B	Z	2.852	4.43
21	MP4B	Mx	-.003	4.43
22	MP4C	X	-7.087	.93
23	MP4C	Z	4.092	.93
24	MP4C	Mx	-.005	.93
25	MP4C	X	-7.087	4.43
26	MP4C	Z	4.092	4.43
27	MP4C	Mx	-.005	4.43
28	MP4A	X	-5.263	.93
29	MP4A	Z	3.039	.93
30	MP4A	Mx	.002	.93
31	MP4A	X	-5.263	4.43
32	MP4A	Z	3.039	4.43
33	MP4A	Mx	.002	4.43
34	MP4B	X	-4.939	.93
35	MP4B	Z	2.852	.93
36	MP4B	Mx	-.005	.93
37	MP4B	X	-4.939	4.43
38	MP4B	Z	2.852	4.43
39	MP4B	Mx	-.005	4.43
40	MP4C	X	-7.087	.93
41	MP4C	Z	4.092	.93
42	MP4C	Mx	.005	.93
43	MP4C	X	-7.087	4.43
44	MP4C	Z	4.092	4.43
45	MP4C	Mx	.005	4.43
46	MP3A	X	-1.988	1.68
47	MP3A	Z	1.148	1.68
48	MP3A	Mx	.000828	1.68
49	MP3A	X	-1.988	3.68
50	MP3A	Z	1.148	3.68
51	MP3A	Mx	.000828	3.68
52	MP3B	X	-1.692	1.68
53	MP3B	Z	.977	1.68
54	MP3B	Mx	-.000765	1.68
55	MP3B	X	-1.692	3.68
56	MP3B	Z	.977	3.68
57	MP3B	Mx	-.000765	3.68
58	MP3C	X	-3.657	1.68
59	MP3C	Z	2.111	1.68
60	MP3C	Mx	0	1.68
61	MP3C	X	-3.657	3.68
62	MP3C	Z	2.111	3.68
63	MP3C	Mx	0	3.68
64	MP2A	X	-3.899	.18
65	MP2A	Z	2.251	.18
66	MP2A	Mx	.002	.18
67	MP2A	X	-3.899	5.18
68	MP2A	Z	2.251	5.18
69	MP2A	Mx	.002	5.18
70	MP2B	X	-3.545	.18
71	MP2B	Z	2.047	.18
72	MP2B	Mx	-.002	.18
73	MP2B	X	-3.545	5.18
74	MP2B	Z	2.047	5.18
75	MP2B	Mx	-.002	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	-5.889	.18
77	MP2C	Z	3.4	.18
78	MP2C	Mx	0	.18
79	MP2C	X	-5.889	5.18
80	MP2C	Z	3.4	5.18
81	MP2C	Mx	0	5.18
82	MP1A	X	-.55	2.68
83	MP1A	Z	.317	2.68
84	MP1A	Mx	.000183	2.68
85	MP1B	X	-.402	2.68
86	MP1B	Z	.232	2.68
87	MP1B	Mx	-.000145	2.68
88	MP1C	X	-1.385	2.68
89	MP1C	Z	.8	2.68
90	MP1C	Mx	0	2.68
91	MP4A	X	-2.186	2.68
92	MP4A	Z	1.262	2.68
93	MP4A	Mx	-.001	2.68
94	MP4B	X	-2.058	2.68
95	MP4B	Z	1.188	2.68
96	MP4B	Mx	.001	2.68
97	MP4C	X	-2.91	2.68
98	MP4C	Z	1.68	2.68
99	MP4C	Mx	0	2.68
100	MP2A	X	-1.909	2.68
101	MP2A	Z	1.102	2.68
102	MP2A	Mx	-.000954	2.68
103	MP2B	X	-1.909	2.68
104	MP2B	Z	1.102	2.68
105	MP2B	Mx	-.000954	2.68
106	MP2C	X	-1.909	2.68
107	MP2C	Z	1.102	2.68
108	MP2C	Mx	-.000954	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-.46	1.5
2	MP4A	Z	0	1.5
3	MP4A	Mx	-.000115	1.5
4	MP4B	X	-.58	1.5
5	MP4B	Z	0	1.5
6	MP4B	Mx	9.3e-5	1.5
7	MP4C	X	-.614	1.5
8	MP4C	Z	0	1.5
9	MP4C	Mx	7.7e-5	1.5
10	MP4A	X	-5.375	.93
11	MP4A	Z	0	.93
12	MP4A	Mx	.004	.93
13	MP4A	X	-5.375	4.43
14	MP4A	Z	0	4.43
15	MP4A	Mx	.004	4.43
16	MP4B	X	-7.023	.93
17	MP4B	Z	0	.93
18	MP4B	Mx	.000201	.93
19	MP4B	X	-7.023	4.43
20	MP4B	Z	0	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP4B	Mx	.000201	4.43
22	MP4C	X	-7.482	.93
23	MP4C	Z	0	.93
24	MP4C	Mx	-.007	.93
25	MP4C	X	-7.482	4.43
26	MP4C	Z	0	4.43
27	MP4C	Mx	-.007	4.43
28	MP4A	X	-5.375	.93
29	MP4A	Z	0	.93
30	MP4A	Mx	.004	.93
31	MP4A	X	-5.375	4.43
32	MP4A	Z	0	4.43
33	MP4A	Mx	.004	4.43
34	MP4B	X	-7.023	.93
35	MP4B	Z	0	.93
36	MP4B	Mx	-.007	.93
37	MP4B	X	-7.023	4.43
38	MP4B	Z	0	4.43
39	MP4B	Mx	-.007	4.43
40	MP4C	X	-7.482	.93
41	MP4C	Z	0	.93
42	MP4C	Mx	.002	.93
43	MP4C	X	-7.482	4.43
44	MP4C	Z	0	4.43
45	MP4C	Mx	.002	4.43
46	MP3A	X	-1.653	1.68
47	MP3A	Z	0	1.68
48	MP3A	Mx	.000689	1.68
49	MP3A	X	-1.653	3.68
50	MP3A	Z	0	3.68
51	MP3A	Mx	.000689	3.68
52	MP3B	X	-3.161	1.68
53	MP3B	Z	0	1.68
54	MP3B	Mx	-.000847	1.68
55	MP3B	X	-3.161	3.68
56	MP3B	Z	0	3.68
57	MP3B	Mx	-.000847	3.68
58	MP3C	X	-3.58	1.68
59	MP3C	Z	0	1.68
60	MP3C	Mx	-.000746	1.68
61	MP3C	X	-3.58	3.68
62	MP3C	Z	0	3.68
63	MP3C	Mx	-.000746	3.68
64	MP2A	X	-3.735	.18
65	MP2A	Z	0	.18
66	MP2A	Mx	.002	.18
67	MP2A	X	-3.735	5.18
68	MP2A	Z	0	5.18
69	MP2A	Mx	.002	5.18
70	MP2B	X	-5.534	.18
71	MP2B	Z	0	.18
72	MP2B	Mx	-.001	.18
73	MP2B	X	-5.534	5.18
74	MP2B	Z	0	5.18
75	MP2B	Mx	-.001	5.18
76	MP2C	X	-6.034	.18
77	MP2C	Z	0	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	-.001	.18
79	MP2C	X	-6.034	5.18
80	MP2C	Z	0	5.18
81	MP2C	Mx	-.001	5.18
82	MP1A	X	-.314	2.68
83	MP1A	Z	0	2.68
84	MP1A	Mx	.000105	2.68
85	MP1B	X	-1.068	2.68
86	MP1B	Z	0	2.68
87	MP1B	Mx	-.000229	2.68
88	MP1C	X	-1.278	2.68
89	MP1C	Z	0	2.68
90	MP1C	Mx	-.000213	2.68
91	MP4A	X	-2.246	2.68
92	MP4A	Z	0	2.68
93	MP4A	Mx	-.001	2.68
94	MP4B	X	-2.9	2.68
95	MP4B	Z	0	2.68
96	MP4B	Mx	.000932	2.68
97	MP4C	X	-3.081	2.68
98	MP4C	Z	0	2.68
99	MP4C	Mx	.00077	2.68
100	MP2A	X	-1.819	2.68
101	MP2A	Z	0	2.68
102	MP2A	Mx	-.000909	2.68
103	MP2B	X	-1.819	2.68
104	MP2B	Z	0	2.68
105	MP2B	Mx	-.000909	2.68
106	MP2C	X	-1.819	2.68
107	MP2C	Z	0	2.68
108	MP2C	Mx	-.000909	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-.443	1.5
2	MP4A	Z	-.256	1.5
3	MP4A	Mx	-.000111	1.5
4	MP4B	X	-.57	1.5
5	MP4B	Z	-.329	1.5
6	MP4B	Mx	2.9e-5	1.5
7	MP4C	X	-.443	1.5
8	MP4C	Z	-.256	1.5
9	MP4C	Mx	.000111	1.5
10	MP4A	X	-5.263	.93
11	MP4A	Z	-3.039	.93
12	MP4A	Mx	.002	.93
13	MP4A	X	-5.263	4.43
14	MP4A	Z	-3.039	4.43
15	MP4A	Mx	.002	4.43
16	MP4B	X	-7.014	.93
17	MP4B	Z	-4.05	.93
18	MP4B	Mx	.004	.93
19	MP4B	X	-7.014	4.43
20	MP4B	Z	-4.05	4.43
21	MP4B	Mx	.004	4.43
22	MP4C	X	-5.263	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4C	Z	-3.039	.93
24	MP4C	Mx	-.006	.93
25	MP4C	X	-5.263	4.43
26	MP4C	Z	-3.039	4.43
27	MP4C	Mx	-.006	4.43
28	MP4A	X	-5.263	.93
29	MP4A	Z	-3.039	.93
30	MP4A	Mx	.006	.93
31	MP4A	X	-5.263	4.43
32	MP4A	Z	-3.039	4.43
33	MP4A	Mx	.006	4.43
34	MP4B	X	-7.014	.93
35	MP4B	Z	-4.05	.93
36	MP4B	Mx	-.006	.93
37	MP4B	X	-7.014	4.43
38	MP4B	Z	-4.05	4.43
39	MP4B	Mx	-.006	4.43
40	MP4C	X	-5.263	.93
41	MP4C	Z	-3.039	.93
42	MP4C	Mx	-.002	.93
43	MP4C	X	-5.263	4.43
44	MP4C	Z	-3.039	4.43
45	MP4C	Mx	-.002	4.43
46	MP3A	X	-1.988	1.68
47	MP3A	Z	-1.148	1.68
48	MP3A	Mx	.000828	1.68
49	MP3A	X	-1.988	3.68
50	MP3A	Z	-1.148	3.68
51	MP3A	Mx	.000828	3.68
52	MP3B	X	-3.589	1.68
53	MP3B	Z	-2.072	1.68
54	MP3B	Mx	-.0003	1.68
55	MP3B	X	-3.589	3.68
56	MP3B	Z	-2.072	3.68
57	MP3B	Mx	-.0003	3.68
58	MP3C	X	-1.988	1.68
59	MP3C	Z	-1.148	1.68
60	MP3C	Mx	-.000828	1.68
61	MP3C	X	-1.988	3.68
62	MP3C	Z	-1.148	3.68
63	MP3C	Mx	-.000828	3.68
64	MP2A	X	-3.899	.18
65	MP2A	Z	-2.251	.18
66	MP2A	Mx	.002	.18
67	MP2A	X	-3.899	5.18
68	MP2A	Z	-2.251	5.18
69	MP2A	Mx	.002	5.18
70	MP2B	X	-5.809	.18
71	MP2B	Z	-3.354	.18
72	MP2B	Mx	-.000485	.18
73	MP2B	X	-5.809	5.18
74	MP2B	Z	-3.354	5.18
75	MP2B	Mx	-.000485	5.18
76	MP2C	X	-3.899	.18
77	MP2C	Z	-2.251	.18
78	MP2C	Mx	-.002	.18
79	MP2C	X	-3.899	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	-2.251	5.18
81	MP2C	Mx	-.002	5.18
82	MP1A	X	-.55	2.68
83	MP1A	Z	-.317	2.68
84	MP1A	Mx	.000183	2.68
85	MP1B	X	-1.351	2.68
86	MP1B	Z	-.78	2.68
87	MP1B	Mx	-9e-5	2.68
88	MP1C	X	-.55	2.68
89	MP1C	Z	-.317	2.68
90	MP1C	Mx	-.000183	2.68
91	MP4A	X	-2.186	2.68
92	MP4A	Z	-1.262	2.68
93	MP4A	Mx	-.001	2.68
94	MP4B	X	-2.881	2.68
95	MP4B	Z	-1.663	2.68
96	MP4B	Mx	.000289	2.68
97	MP4C	X	-2.186	2.68
98	MP4C	Z	-1.262	2.68
99	MP4C	Mx	.001	2.68
100	MP2A	X	-1.909	2.68
101	MP2A	Z	-1.102	2.68
102	MP2A	Mx	-.000954	2.68
103	MP2B	X	-1.909	2.68
104	MP2B	Z	-1.102	2.68
105	MP2B	Mx	-.000954	2.68
106	MP2C	X	-1.909	2.68
107	MP2C	Z	-1.102	2.68
108	MP2C	Mx	-.000954	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-.307	1.5
2	MP4A	Z	-.531	1.5
3	MP4A	Mx	-7.7e-5	1.5
4	MP4B	X	-.32	1.5
5	MP4B	Z	-.555	1.5
6	MP4B	Mx	-5.5e-5	1.5
7	MP4C	X	-.23	1.5
8	MP4C	Z	-.398	1.5
9	MP4C	Mx	.000115	1.5
10	MP4A	X	-3.741	.93
11	MP4A	Z	-6.479	.93
12	MP4A	Mx	-.002	.93
13	MP4A	X	-3.741	4.43
14	MP4A	Z	-6.479	4.43
15	MP4A	Mx	-.002	4.43
16	MP4B	X	-3.928	.93
17	MP4B	Z	-6.803	.93
18	MP4B	Mx	.007	.93
19	MP4B	X	-3.928	4.43
20	MP4B	Z	-6.803	4.43
21	MP4B	Mx	.007	4.43
22	MP4C	X	-2.688	.93
23	MP4C	Z	-4.655	.93
24	MP4C	Mx	-.004	.93

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4C	X	-2.688	4.43
26	MP4C	Z	-4.655	4.43
27	MP4C	Mx	-.004	4.43
28	MP4A	X	-3.741	.93
29	MP4A	Z	-6.479	.93
30	MP4A	Mx	.007	.93
31	MP4A	X	-3.741	4.43
32	MP4A	Z	-6.479	4.43
33	MP4A	Mx	.007	4.43
34	MP4B	X	-3.928	.93
35	MP4B	Z	-6.803	.93
36	MP4B	Mx	-.003	.93
37	MP4B	X	-3.928	4.43
38	MP4B	Z	-6.803	4.43
39	MP4B	Mx	-.003	4.43
40	MP4C	X	-2.688	.93
41	MP4C	Z	-4.655	.93
42	MP4C	Mx	-.004	.93
43	MP4C	X	-2.688	4.43
44	MP4C	Z	-4.655	4.43
45	MP4C	Mx	-.004	4.43
46	MP3A	X	-1.79	1.68
47	MP3A	Z	-3.1	1.68
48	MP3A	Mx	.000746	1.68
49	MP3A	X	-1.79	3.68
50	MP3A	Z	-3.1	3.68
51	MP3A	Mx	.000746	3.68
52	MP3B	X	-1.961	1.68
53	MP3B	Z	-3.396	1.68
54	MP3B	Mx	.000559	1.68
55	MP3B	X	-1.961	3.68
56	MP3B	Z	-3.396	3.68
57	MP3B	Mx	.000559	3.68
58	MP3C	X	-.826	1.68
59	MP3C	Z	-1.432	1.68
60	MP3C	Mx	-.000689	1.68
61	MP3C	X	-.826	3.68
62	MP3C	Z	-1.432	3.68
63	MP3C	Mx	-.000689	3.68
64	MP2A	X	-3.017	.18
65	MP2A	Z	-5.226	.18
66	MP2A	Mx	.001	.18
67	MP2A	X	-3.017	5.18
68	MP2A	Z	-5.226	5.18
69	MP2A	Mx	.001	5.18
70	MP2B	X	-3.221	.18
71	MP2B	Z	-5.579	.18
72	MP2B	Mx	.000918	.18
73	MP2B	X	-3.221	5.18
74	MP2B	Z	-5.579	5.18
75	MP2B	Mx	.000918	5.18
76	MP2C	X	-1.868	.18
77	MP2C	Z	-3.235	.18
78	MP2C	Mx	-.002	.18
79	MP2C	X	-1.868	5.18
80	MP2C	Z	-3.235	5.18
81	MP2C	Mx	-.002	5.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-.639	2.68
83	MP1A	Z	-1.107	2.68
84	MP1A	Mx	.000213	2.68
85	MP1B	X	-.724	2.68
86	MP1B	Z	-1.255	2.68
87	MP1B	Mx	.000165	2.68
88	MP1C	X	-.157	2.68
89	MP1C	Z	-.272	2.68
90	MP1C	Mx	-.000105	2.68
91	MP4A	X	-1.541	2.68
92	MP4A	Z	-2.668	2.68
93	MP4A	Mx	-.00077	2.68
94	MP4B	X	-1.615	2.68
95	MP4B	Z	-2.797	2.68
96	MP4B	Mx	-.000552	2.68
97	MP4C	X	-1.123	2.68
98	MP4C	Z	-1.945	2.68
99	MP4C	Mx	.001	2.68
100	MP2A	X	-1.487	2.68
101	MP2A	Z	-2.576	2.68
102	MP2A	Mx	-.000744	2.68
103	MP2B	X	-1.487	2.68
104	MP2B	Z	-2.576	2.68
105	MP2B	Mx	-.000744	2.68
106	MP2C	X	-1.487	2.68
107	MP2C	Z	-2.576	2.68
108	MP2C	Mx	-.000744	2.68

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%39

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%7

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	0	1.5
2	MP4A	My	0	1.5
3	MP4A	Mz	0	1.5
4	MP4B	Y	0	1.5
5	MP4B	My	0	1.5
6	MP4B	Mz	0	1.5
7	MP4C	Y	0	1.5
8	MP4C	My	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4C	Mz	0	1.5
10	MP4A	Y	0	.93
11	MP4A	My	0	.93
12	MP4A	Mz	0	.93
13	MP4A	Y	0	4.43
14	MP4A	My	0	4.43
15	MP4A	Mz	0	4.43
16	MP4B	Y	0	.93
17	MP4B	My	0	.93
18	MP4B	Mz	0	.93
19	MP4B	Y	0	4.43
20	MP4B	My	0	4.43
21	MP4B	Mz	0	4.43
22	MP4C	Y	0	.93
23	MP4C	My	0	.93
24	MP4C	Mz	0	.93
25	MP4C	Y	0	4.43
26	MP4C	My	0	4.43
27	MP4C	Mz	0	4.43
28	MP4A	Y	0	.93
29	MP4A	My	0	.93
30	MP4A	Mz	0	.93
31	MP4A	Y	0	4.43
32	MP4A	My	0	4.43
33	MP4A	Mz	0	4.43
34	MP4B	Y	0	.93
35	MP4B	My	0	.93
36	MP4B	Mz	0	.93
37	MP4B	Y	0	4.43
38	MP4B	My	0	4.43
39	MP4B	Mz	0	4.43
40	MP4C	Y	0	.93
41	MP4C	My	0	.93
42	MP4C	Mz	0	.93
43	MP4C	Y	0	4.43
44	MP4C	My	0	4.43
45	MP4C	Mz	0	4.43
46	MP3A	Y	0	1.68
47	MP3A	My	0	1.68
48	MP3A	Mz	0	1.68
49	MP3A	Y	0	3.68
50	MP3A	My	0	3.68
51	MP3A	Mz	0	3.68
52	MP3B	Y	0	1.68
53	MP3B	My	0	1.68
54	MP3B	Mz	0	1.68
55	MP3B	Y	0	3.68
56	MP3B	My	0	3.68
57	MP3B	Mz	0	3.68
58	MP3C	Y	0	1.68
59	MP3C	My	0	1.68
60	MP3C	Mz	0	1.68
61	MP3C	Y	0	3.68
62	MP3C	My	0	3.68
63	MP3C	Mz	0	3.68
64	MP2A	Y	0	.18
65	MP2A	My	0	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mz	0	.18
67	MP2A	Y	0	5.18
68	MP2A	My	0	5.18
69	MP2A	Mz	0	5.18
70	MP2B	Y	0	.18
71	MP2B	My	0	.18
72	MP2B	Mz	0	.18
73	MP2B	Y	0	5.18
74	MP2B	My	0	5.18
75	MP2B	Mz	0	5.18
76	MP2C	Y	0	.18
77	MP2C	My	0	.18
78	MP2C	Mz	0	.18
79	MP2C	Y	0	5.18
80	MP2C	My	0	5.18
81	MP2C	Mz	0	5.18
82	MP1A	Y	0	2.68
83	MP1A	My	0	2.68
84	MP1A	Mz	0	2.68
85	MP1B	Y	0	2.68
86	MP1B	My	0	2.68
87	MP1B	Mz	0	2.68
88	MP1C	Y	0	2.68
89	MP1C	My	0	2.68
90	MP1C	Mz	0	2.68
91	MP4A	Y	0	2.68
92	MP4A	My	0	2.68
93	MP4A	Mz	0	2.68
94	MP4B	Y	0	2.68
95	MP4B	My	0	2.68
96	MP4B	Mz	0	2.68
97	MP4C	Y	0	2.68
98	MP4C	My	0	2.68
99	MP4C	Mz	0	2.68
100	MP2A	Y	0	2.68
101	MP2A	My	0	2.68
102	MP2A	Mz	0	2.68
103	MP2B	Y	0	2.68
104	MP2B	My	0	2.68
105	MP2B	Mz	0	2.68
106	MP2C	Y	0	2.68
107	MP2C	My	0	2.68
108	MP2C	Mz	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Z	-.312	1.5
2	MP4A	Mx	0	1.5
3	MP4B	Z	-.312	1.5
4	MP4B	Mx	-6e-5	1.5
5	MP4C	Z	-.312	1.5
6	MP4C	Mx	6.8e-5	1.5
7	MP4A	Z	-.95	.93
8	MP4A	Mx	-.000633	.93
9	MP4A	Z	-.95	4.43
10	MP4A	Mx	-.000633	4.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4B	Z	-.95	.93
12	MP4B	Mx	.000952	.93
13	MP4B	Z	-.95	4.43
14	MP4B	Mx	.000952	4.43
15	MP4C	Z	-.95	.93
16	MP4C	Mx	-.0003	.93
17	MP4C	Z	-.95	4.43
18	MP4C	Mx	-.0003	4.43
19	MP4A	Z	-.95	.93
20	MP4A	Mx	.000633	.93
21	MP4A	Z	-.95	4.43
22	MP4A	Mx	.000633	4.43
23	MP4B	Z	-.95	.93
24	MP4B	Mx	.000139	.93
25	MP4B	Z	-.95	4.43
26	MP4B	Mx	.000139	4.43
27	MP4C	Z	-.95	.93
28	MP4C	Mx	-.000933	.93
29	MP4C	Z	-.95	4.43
30	MP4C	Mx	-.000933	4.43
31	MP3A	Z	-1.306	1.68
32	MP3A	Mx	0	1.68
33	MP3A	Z	-1.306	3.68
34	MP3A	Mx	0	3.68
35	MP3B	Z	-1.306	1.68
36	MP3B	Mx	.000417	1.68
37	MP3B	Z	-1.306	3.68
38	MP3B	Mx	.000417	3.68
39	MP3C	Z	-1.306	1.68
40	MP3C	Mx	-.000471	1.68
41	MP3C	Z	-1.306	3.68
42	MP3C	Mx	-.000471	3.68
43	MP2A	Z	-.255	.18
44	MP2A	Mx	0	.18
45	MP2A	Z	-.255	5.18
46	MP2A	Mx	0	5.18
47	MP2B	Z	-.255	.18
48	MP2B	Mx	8.1e-5	.18
49	MP2B	Z	-.255	5.18
50	MP2B	Mx	8.1e-5	5.18
51	MP2C	Z	-.255	.18
52	MP2C	Mx	-9.2e-5	.18
53	MP2C	Z	-.255	5.18
54	MP2C	Mx	-9.2e-5	5.18
55	MP1A	Z	-.132	2.68
56	MP1A	Mx	0	2.68
57	MP1B	Z	-.132	2.68
58	MP1B	Mx	3.4e-5	2.68
59	MP1C	Z	-.132	2.68
60	MP1C	Mx	-3.8e-5	2.68
61	MP4A	Z	-2.532	2.68
62	MP4A	Mx	0	2.68
63	MP4B	Z	-2.532	2.68
64	MP4B	Mx	-.00097	2.68
65	MP4C	Z	-2.532	2.68
66	MP4C	Mx	.001	2.68
67	MP2A	Z	-2.109	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Mx	0	2.68
69	MP2B	Z	-2.109	2.68
70	MP2B	Mx	0	2.68
71	MP2C	Z	-2.109	2.68
72	MP2C	Mx	0	2.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	.312	1.5
2	MP4A	Mx	7.8e-5	1.5
3	MP4B	X	.312	1.5
4	MP4B	Mx	-5e-5	1.5
5	MP4C	X	.312	1.5
6	MP4C	Mx	-3.9e-5	1.5
7	MP4A	X	.95	.93
8	MP4A	Mx	-.000712	.93
9	MP4A	X	.95	4.43
10	MP4A	Mx	-.000712	4.43
11	MP4B	X	.95	.93
12	MP4B	Mx	-2.7e-5	.93
13	MP4B	X	.95	4.43
14	MP4B	Mx	-2.7e-5	4.43
15	MP4C	X	.95	.93
16	MP4C	Mx	.000904	.93
17	MP4C	X	.95	4.43
18	MP4C	Mx	.000904	4.43
19	MP4A	X	.95	.93
20	MP4A	Mx	-.000712	.93
21	MP4A	X	.95	4.43
22	MP4A	Mx	-.000712	4.43
23	MP4B	X	.95	.93
24	MP4B	Mx	.000943	.93
25	MP4B	X	.95	4.43
26	MP4B	Mx	.000943	4.43
27	MP4C	X	.95	.93
28	MP4C	Mx	-.000192	.93
29	MP4C	X	.95	4.43
30	MP4C	Mx	-.000192	4.43
31	MP3A	X	1.306	1.68
32	MP3A	Mx	-.000544	1.68
33	MP3A	X	1.306	3.68
34	MP3A	Mx	-.000544	3.68
35	MP3B	X	1.306	1.68
36	MP3B	Mx	.00035	1.68
37	MP3B	X	1.306	3.68
38	MP3B	Mx	.00035	3.68
39	MP3C	X	1.306	1.68
40	MP3C	Mx	.000272	1.68
41	MP3C	X	1.306	3.68
42	MP3C	Mx	.000272	3.68
43	MP2A	X	.255	.18
44	MP2A	Mx	-.000106	.18
45	MP2A	X	.255	5.18
46	MP2A	Mx	-.000106	5.18
47	MP2B	X	.255	.18
48	MP2B	Mx	6.8e-5	.18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2B	X	.255	5.18
50	MP2B	Mx	6.8e-5	5.18
51	MP2C	X	.255	.18
52	MP2C	Mx	5.3e-5	.18
53	MP2C	X	.255	5.18
54	MP2C	Mx	5.3e-5	5.18
55	MP1A	X	.132	2.68
56	MP1A	Mx	-4.4e-5	2.68
57	MP1B	X	.132	2.68
58	MP1B	Mx	2.8e-5	2.68
59	MP1C	X	.132	2.68
60	MP1C	Mx	2.2e-5	2.68
61	MP4A	X	2.532	2.68
62	MP4A	Mx	.001	2.68
63	MP4B	X	2.532	2.68
64	MP4B	Mx	-.000814	2.68
65	MP4C	X	2.532	2.68
66	MP4C	Mx	-.000633	2.68
67	MP2A	X	2.109	2.68
68	MP2A	Mx	.001	2.68
69	MP2B	X	2.109	2.68
70	MP2B	Mx	.001	2.68
71	MP2C	X	2.109	2.68
72	MP2C	Mx	.001	2.68

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	-7.103	-7.103	0	%100
2	M7	Y	-7.103	-7.103	0	%100
3	M12	Y	-9.929	-9.929	0	%100
4	M13	Y	-8.987	-8.987	0	%100
5	M26	Y	-4.616	-4.616	0	%100
6	MP1A	Y	-4.616	-4.616	0	%100
7	M58A	Y	-9.929	-9.929	0	%100
8	M59A	Y	-8.987	-8.987	0	%100
9	M64B	Y	-9.929	-9.929	0	%100
10	M65B	Y	-8.987	-8.987	0	%100
11	M65C	Y	-7.103	-7.103	0	%100
12	M66A	Y	-7.103	-7.103	0	%100
13	M65D	Y	-7.103	-7.103	0	%100
14	M66B	Y	-7.103	-7.103	0	%100
15	MP2A	Y	-4.616	-4.616	0	%100
16	MP3A	Y	-4.616	-4.616	0	%100
17	MP4A	Y	-4.616	-4.616	0	%100
18	M33	Y	-4.616	-4.616	0	%100
19	MP1C	Y	-4.616	-4.616	0	%100
20	MP2C	Y	-4.616	-4.616	0	%100
21	MP4C	Y	-4.616	-4.616	0	%100
22	M46	Y	-4.616	-4.616	0	%100
23	MP1B	Y	-4.616	-4.616	0	%100
24	MP2B	Y	-4.616	-4.616	0	%100
25	MP4B	Y	-4.616	-4.616	0	%100
26	M58	Y	-9.444	-9.444	0	%100
27	M59	Y	-9.444	-9.444	0	%100
28	M60	Y	-9.444	-9.444	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,%]
29	M67	Y	-6.161	-6.161	0	%100
30	M68	Y	-6.161	-6.161	0	%100
31	M69	Y	-6.161	-6.161	0	%100
32	M70	Y	-8.987	-8.987	0	%100
33	M71A	Y	-6.114	-6.114	0	%100
34	M73	Y	-6.161	-6.161	0	%100
35	M74	Y	-6.161	-6.161	0	%100
36	M75	Y	-8.987	-8.987	0	%100
37	M76	Y	-6.114	-6.114	0	%100
38	M78	Y	-6.161	-6.161	0	%100
39	M79	Y	-6.161	-6.161	0	%100
40	M80	Y	-8.987	-8.987	0	%100
41	M81	Y	-6.114	-6.114	0	%100
42	M83	Y	-6.161	-6.161	0	%100
43	M84	Y	-6.161	-6.161	0	%100
44	M85	Y	-8.611	-8.611	0	%100
45	M86	Y	-8.611	-8.611	0	%100
46	M87	Y	-8.611	-8.611	0	%100
47	MP3C	Y	-4.616	-4.616	0	%100
48	MP3B	Y	-4.616	-4.616	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	-13.898	-13.898	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-13.898	-13.898	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-6.602	-6.602	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-6.602	-6.602	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	-7.709	-7.709	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	-5.965	-5.965	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	-7.709	-7.709	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	-5.965	-5.965	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	-3.475	-3.475	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	-3.475	-3.475	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	-3.475	-3.475	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	-3.475	-3.475	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	-6.602	-6.602	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	-6.602	-6.602	0	%100
33	MP4A	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,%]
34	MP4A	Z	-6.602	-6.602	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-1.65	-1.65	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-6.602	-6.602	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-6.602	-6.602	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-6.602	-6.602	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	-1.65	-1.65	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-6.602	-6.602	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-6.602	-6.602	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-6.602	-6.602	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	-8.686	-8.686	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-8.686	-8.686	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-4.393	-4.393	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	-.36	-.36	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-7.268	-7.268	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-8.313	-8.313	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	-10.361	-10.361	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-10.915	-10.915	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	-5.907	-5.907	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	-8.313	-8.313	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-5.585	-5.585	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-.911	-.911	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-5.907	-5.907	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-8.313	-8.313	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	-.732	-.732	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	-5.52	-5.52	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	-11.53	-11.53	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	-11.53	-11.53	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,%]
91	M87	X	0	0	0	%100
92	M87	Z	-11.373	-11.373	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-6.602	-6.602	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-6.602	-6.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.212	5.212	0	%100
2	M1	Z	-9.027	-9.027	0	%100
3	M7	X	5.212	5.212	0	%100
4	M7	Z	-9.027	-9.027	0	%100
5	M12	X	1.285	1.285	0	%100
6	M12	Z	-2.225	-2.225	0	%100
7	M13	X	.994	.994	0	%100
8	M13	Z	-1.722	-1.722	0	%100
9	M26	X	2.476	2.476	0	%100
10	M26	Z	-4.288	-4.288	0	%100
11	MP1A	X	3.301	3.301	0	%100
12	MP1A	Z	-5.717	-5.717	0	%100
13	M58A	X	1.285	1.285	0	%100
14	M58A	Z	-2.225	-2.225	0	%100
15	M59A	X	.994	.994	0	%100
16	M59A	Z	-1.722	-1.722	0	%100
17	M64B	X	5.139	5.139	0	%100
18	M64B	Z	-8.902	-8.902	0	%100
19	M65B	X	3.976	3.976	0	%100
20	M65B	Z	-6.887	-6.887	0	%100
21	M65C	X	5.212	5.212	0	%100
22	M65C	Z	-9.027	-9.027	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	5.212	5.212	0	%100
26	M65D	Z	-9.027	-9.027	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	3.301	3.301	0	%100
30	MP2A	Z	-5.717	-5.717	0	%100
31	MP3A	X	3.301	3.301	0	%100
32	MP3A	Z	-5.717	-5.717	0	%100
33	MP4A	X	3.301	3.301	0	%100
34	MP4A	Z	-5.717	-5.717	0	%100
35	M33	X	2.476	2.476	0	%100
36	M33	Z	-4.288	-4.288	0	%100
37	MP1C	X	3.301	3.301	0	%100
38	MP1C	Z	-5.717	-5.717	0	%100
39	MP2C	X	3.301	3.301	0	%100
40	MP2C	Z	-5.717	-5.717	0	%100
41	MP4C	X	3.301	3.301	0	%100
42	MP4C	Z	-5.717	-5.717	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	3.301	3.301	0	%100
46	MP1B	Z	-5.717	-5.717	0	%100
47	MP2B	X	3.301	3.301	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,%]
48	MP2B	Z	-5.717	-5.717	0	%100
49	MP4B	X	3.301	3.301	0	%100
50	MP4B	Z	-5.717	-5.717	0	%100
51	M58	X	1.448	1.448	0	%100
52	M58	Z	-2.508	-2.508	0	%100
53	M59	X	5.791	5.791	0	%100
54	M59	Z	-10.03	-10.03	0	%100
55	M60	X	1.448	1.448	0	%100
56	M60	Z	-2.508	-2.508	0	%100
57	M67	X	3.827	3.827	0	%100
58	M67	Z	-6.629	-6.629	0	%100
59	M68	X	.373	.373	0	%100
60	M68	Z	-.646	-.646	0	%100
61	M69	X	1.811	1.811	0	%100
62	M69	Z	-3.136	-3.136	0	%100
63	M70	X	.984	.984	0	%100
64	M70	Z	-1.705	-1.705	0	%100
65	M71A	X	4.157	4.157	0	%100
66	M71A	Z	-7.199	-7.199	0	%100
67	M73	X	2.767	2.767	0	%100
68	M73	Z	-4.792	-4.792	0	%100
69	M74	X	5.327	5.327	0	%100
70	M74	Z	-9.226	-9.226	0	%100
71	M75	X	.984	.984	0	%100
72	M75	Z	-1.705	-1.705	0	%100
73	M76	X	4.157	4.157	0	%100
74	M76	Z	-7.199	-7.199	0	%100
75	M78	X	5.193	5.193	0	%100
76	M78	Z	-8.995	-8.995	0	%100
77	M79	X	3.022	3.022	0	%100
78	M79	Z	-5.234	-5.234	0	%100
79	M80	X	3.938	3.938	0	%100
80	M80	Z	-6.821	-6.821	0	%100
81	M81	X	4.157	4.157	0	%100
82	M81	Z	-7.199	-7.199	0	%100
83	M83	X	.379	.379	0	%100
84	M83	Z	-.656	-.656	0	%100
85	M84	X	.324	.324	0	%100
86	M84	Z	-.562	-.562	0	%100
87	M85	X	5.713	5.713	0	%100
88	M85	Z	-9.895	-9.895	0	%100
89	M86	X	5.791	5.791	0	%100
90	M86	Z	-10.03	-10.03	0	%100
91	M87	X	5.713	5.713	0	%100
92	M87	Z	-9.895	-9.895	0	%100
93	MP3C	X	3.301	3.301	0	%100
94	MP3C	Z	-5.717	-5.717	0	%100
95	MP3B	X	3.301	3.301	0	%100
96	MP3B	Z	-5.717	-5.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.009	3.009	0	%100
2	M1	Z	-1.737	-1.737	0	%100
3	M7	X	3.009	3.009	0	%100
4	M7	Z	-1.737	-1.737	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,%]
5	M12	X	6.676	6.676	0	%100
6	M12	Z	-3.855	-3.855	0	%100
7	M13	X	5.166	5.166	0	%100
8	M13	Z	-2.982	-2.982	0	%100
9	M26	X	1.429	1.429	0	%100
10	M26	Z	-.825	-.825	0	%100
11	MP1A	X	5.717	5.717	0	%100
12	MP1A	Z	-3.301	-3.301	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	6.676	6.676	0	%100
18	M64B	Z	-3.855	-3.855	0	%100
19	M65B	X	5.166	5.166	0	%100
20	M65B	Z	-2.982	-2.982	0	%100
21	M65C	X	12.036	12.036	0	%100
22	M65C	Z	-6.949	-6.949	0	%100
23	M66A	X	3.009	3.009	0	%100
24	M66A	Z	-1.737	-1.737	0	%100
25	M65D	X	12.036	12.036	0	%100
26	M65D	Z	-6.949	-6.949	0	%100
27	M66B	X	3.009	3.009	0	%100
28	M66B	Z	-1.737	-1.737	0	%100
29	MP2A	X	5.717	5.717	0	%100
30	MP2A	Z	-3.301	-3.301	0	%100
31	MP3A	X	5.717	5.717	0	%100
32	MP3A	Z	-3.301	-3.301	0	%100
33	MP4A	X	5.717	5.717	0	%100
34	MP4A	Z	-3.301	-3.301	0	%100
35	M33	X	5.717	5.717	0	%100
36	M33	Z	-3.301	-3.301	0	%100
37	MP1C	X	5.717	5.717	0	%100
38	MP1C	Z	-3.301	-3.301	0	%100
39	MP2C	X	5.717	5.717	0	%100
40	MP2C	Z	-3.301	-3.301	0	%100
41	MP4C	X	5.717	5.717	0	%100
42	MP4C	Z	-3.301	-3.301	0	%100
43	M46	X	1.429	1.429	0	%100
44	M46	Z	-.825	-.825	0	%100
45	MP1B	X	5.717	5.717	0	%100
46	MP1B	Z	-3.301	-3.301	0	%100
47	MP2B	X	5.717	5.717	0	%100
48	MP2B	Z	-3.301	-3.301	0	%100
49	MP4B	X	5.717	5.717	0	%100
50	MP4B	Z	-3.301	-3.301	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	7.523	7.523	0	%100
54	M59	Z	-4.343	-4.343	0	%100
55	M60	X	7.523	7.523	0	%100
56	M60	Z	-4.343	-4.343	0	%100
57	M67	X	6.294	6.294	0	%100
58	M67	Z	-3.634	-3.634	0	%100
59	M68	X	3.804	3.804	0	%100
60	M68	Z	-2.196	-2.196	0	%100
61	M69	X	.312	.312	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,%]
62	M69	Z	-.18	-.18	0	%100
63	M70	X	5.115	5.115	0	%100
64	M70	Z	-2.953	-2.953	0	%100
65	M71A	X	7.199	7.199	0	%100
66	M71A	Z	-4.157	-4.157	0	%100
67	M73	X	.634	.634	0	%100
68	M73	Z	-.366	-.366	0	%100
69	M74	X	4.781	4.781	0	%100
70	M74	Z	-2.76	-2.76	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	7.199	7.199	0	%100
74	M76	Z	-4.157	-4.157	0	%100
75	M78	X	8.973	8.973	0	%100
76	M78	Z	-5.18	-5.18	0	%100
77	M79	X	9.453	9.453	0	%100
78	M79	Z	-5.458	-5.458	0	%100
79	M80	X	5.115	5.115	0	%100
80	M80	Z	-2.953	-2.953	0	%100
81	M81	X	7.199	7.199	0	%100
82	M81	Z	-4.157	-4.157	0	%100
83	M83	X	4.837	4.837	0	%100
84	M83	Z	-2.793	-2.793	0	%100
85	M84	X	.789	.789	0	%100
86	M84	Z	-.455	-.455	0	%100
87	M85	X	9.849	9.849	0	%100
88	M85	Z	-5.687	-5.687	0	%100
89	M86	X	9.985	9.985	0	%100
90	M86	Z	-5.765	-5.765	0	%100
91	M87	X	9.985	9.985	0	%100
92	M87	Z	-5.765	-5.765	0	%100
93	MP3C	X	5.717	5.717	0	%100
94	MP3C	Z	-3.301	-3.301	0	%100
95	MP3B	X	5.717	5.717	0	%100
96	MP3B	Z	-3.301	-3.301	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	10.279	10.279	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	7.953	7.953	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	6.602	6.602	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	2.57	2.57	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	1.988	1.988	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	2.57	2.57	0	%100
18	M64B	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,%]
19	M65B	X	1.988	1.988	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	10.424	10.424	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	10.424	10.424	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	10.424	10.424	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	10.424	10.424	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	6.602	6.602	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	6.602	6.602	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	6.602	6.602	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	4.951	4.951	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	6.602	6.602	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	6.602	6.602	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	6.602	6.602	0	%100
42	MP4C	Z	0	0	0	%100
43	M46	X	4.951	4.951	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	6.602	6.602	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	6.602	6.602	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	6.602	6.602	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	2.895	2.895	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	2.895	2.895	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	11.582	11.582	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	3.621	3.621	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	7.654	7.654	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	.746	.746	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	7.876	7.876	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	8.313	8.313	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	.758	.758	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	.649	.649	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	1.969	1.969	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	8.313	8.313	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	5.533	5.533	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,%]
76	M78	Z	0	0	0	%100
77	M79	X	10.654	10.654	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	1.969	1.969	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	8.313	8.313	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	10.387	10.387	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	6.044	6.044	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	11.425	11.425	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	11.425	11.425	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	11.582	11.582	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	6.602	6.602	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	6.602	6.602	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.009	3.009	0	%100
2	M1	Z	1.737	1.737	0	%100
3	M7	X	3.009	3.009	0	%100
4	M7	Z	1.737	1.737	0	%100
5	M12	X	6.676	6.676	0	%100
6	M12	Z	3.855	3.855	0	%100
7	M13	X	5.166	5.166	0	%100
8	M13	Z	2.982	2.982	0	%100
9	M26	X	1.429	1.429	0	%100
10	M26	Z	.825	.825	0	%100
11	MP1A	X	5.717	5.717	0	%100
12	MP1A	Z	3.301	3.301	0	%100
13	M58A	X	6.676	6.676	0	%100
14	M58A	Z	3.855	3.855	0	%100
15	M59A	X	5.166	5.166	0	%100
16	M59A	Z	2.982	2.982	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	3.009	3.009	0	%100
22	M65C	Z	1.737	1.737	0	%100
23	M66A	X	12.036	12.036	0	%100
24	M66A	Z	6.949	6.949	0	%100
25	M65D	X	3.009	3.009	0	%100
26	M65D	Z	1.737	1.737	0	%100
27	M66B	X	12.036	12.036	0	%100
28	M66B	Z	6.949	6.949	0	%100
29	MP2A	X	5.717	5.717	0	%100
30	MP2A	Z	3.301	3.301	0	%100
31	MP3A	X	5.717	5.717	0	%100
32	MP3A	Z	3.301	3.301	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,%]
33	MP4A	X	5.717	5.717	0	%100
34	MP4A	Z	3.301	3.301	0	%100
35	M33	X	1.429	1.429	0	%100
36	M33	Z	.825	.825	0	%100
37	MP1C	X	5.717	5.717	0	%100
38	MP1C	Z	3.301	3.301	0	%100
39	MP2C	X	5.717	5.717	0	%100
40	MP2C	Z	3.301	3.301	0	%100
41	MP4C	X	5.717	5.717	0	%100
42	MP4C	Z	3.301	3.301	0	%100
43	M46	X	5.717	5.717	0	%100
44	M46	Z	3.301	3.301	0	%100
45	MP1B	X	5.717	5.717	0	%100
46	MP1B	Z	3.301	3.301	0	%100
47	MP2B	X	5.717	5.717	0	%100
48	MP2B	Z	3.301	3.301	0	%100
49	MP4B	X	5.717	5.717	0	%100
50	MP4B	Z	3.301	3.301	0	%100
51	M58	X	7.523	7.523	0	%100
52	M58	Z	4.343	4.343	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	7.523	7.523	0	%100
56	M60	Z	4.343	4.343	0	%100
57	M67	X	.312	.312	0	%100
58	M67	Z	.18	.18	0	%100
59	M68	X	6.294	6.294	0	%100
60	M68	Z	3.634	3.634	0	%100
61	M69	X	3.804	3.804	0	%100
62	M69	Z	2.196	2.196	0	%100
63	M70	X	5.115	5.115	0	%100
64	M70	Z	2.953	2.953	0	%100
65	M71A	X	7.199	7.199	0	%100
66	M71A	Z	4.157	4.157	0	%100
67	M73	X	4.837	4.837	0	%100
68	M73	Z	2.793	2.793	0	%100
69	M74	X	.789	.789	0	%100
70	M74	Z	.455	.455	0	%100
71	M75	X	5.115	5.115	0	%100
72	M75	Z	2.953	2.953	0	%100
73	M76	X	7.199	7.199	0	%100
74	M76	Z	4.157	4.157	0	%100
75	M78	X	.634	.634	0	%100
76	M78	Z	.366	.366	0	%100
77	M79	X	4.781	4.781	0	%100
78	M79	Z	2.76	2.76	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	7.199	7.199	0	%100
82	M81	Z	4.157	4.157	0	%100
83	M83	X	8.973	8.973	0	%100
84	M83	Z	5.18	5.18	0	%100
85	M84	X	9.453	9.453	0	%100
86	M84	Z	5.458	5.458	0	%100
87	M85	X	9.985	9.985	0	%100
88	M85	Z	5.765	5.765	0	%100
89	M86	X	9.849	9.849	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,%]
90	M86	Z	5.687	5.687	0	%100
91	M87	X	9.985	9.985	0	%100
92	M87	Z	5.765	5.765	0	%100
93	MP3C	X	5.717	5.717	0	%100
94	MP3C	Z	3.301	3.301	0	%100
95	MP3B	X	5.717	5.717	0	%100
96	MP3B	Z	3.301	3.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.212	5.212	0	%100
2	M1	Z	9.027	9.027	0	%100
3	M7	X	5.212	5.212	0	%100
4	M7	Z	9.027	9.027	0	%100
5	M12	X	1.285	1.285	0	%100
6	M12	Z	2.225	2.225	0	%100
7	M13	X	.994	.994	0	%100
8	M13	Z	1.722	1.722	0	%100
9	M26	X	2.476	2.476	0	%100
10	M26	Z	4.288	4.288	0	%100
11	MP1A	X	3.301	3.301	0	%100
12	MP1A	Z	5.717	5.717	0	%100
13	M58A	X	5.139	5.139	0	%100
14	M58A	Z	8.902	8.902	0	%100
15	M59A	X	3.976	3.976	0	%100
16	M59A	Z	6.887	6.887	0	%100
17	M64B	X	1.285	1.285	0	%100
18	M64B	Z	2.225	2.225	0	%100
19	M65B	X	.994	.994	0	%100
20	M65B	Z	1.722	1.722	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	5.212	5.212	0	%100
24	M66A	Z	9.027	9.027	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	5.212	5.212	0	%100
28	M66B	Z	9.027	9.027	0	%100
29	MP2A	X	3.301	3.301	0	%100
30	MP2A	Z	5.717	5.717	0	%100
31	MP3A	X	3.301	3.301	0	%100
32	MP3A	Z	5.717	5.717	0	%100
33	MP4A	X	3.301	3.301	0	%100
34	MP4A	Z	5.717	5.717	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	3.301	3.301	0	%100
38	MP1C	Z	5.717	5.717	0	%100
39	MP2C	X	3.301	3.301	0	%100
40	MP2C	Z	5.717	5.717	0	%100
41	MP4C	X	3.301	3.301	0	%100
42	MP4C	Z	5.717	5.717	0	%100
43	M46	X	2.476	2.476	0	%100
44	M46	Z	4.288	4.288	0	%100
45	MP1B	X	3.301	3.301	0	%100
46	MP1B	Z	5.717	5.717	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,%]
47	MP2B	X	3.301	3.301	0	%100
48	MP2B	Z	5.717	5.717	0	%100
49	MP4B	X	3.301	3.301	0	%100
50	MP4B	Z	5.717	5.717	0	%100
51	M58	X	5.791	5.791	0	%100
52	M58	Z	10.03	10.03	0	%100
53	M59	X	1.448	1.448	0	%100
54	M59	Z	2.508	2.508	0	%100
55	M60	X	1.448	1.448	0	%100
56	M60	Z	2.508	2.508	0	%100
57	M67	X	.373	.373	0	%100
58	M67	Z	.646	.646	0	%100
59	M68	X	1.811	1.811	0	%100
60	M68	Z	3.136	3.136	0	%100
61	M69	X	3.827	3.827	0	%100
62	M69	Z	6.629	6.629	0	%100
63	M70	X	.984	.984	0	%100
64	M70	Z	1.705	1.705	0	%100
65	M71A	X	4.157	4.157	0	%100
66	M71A	Z	7.199	7.199	0	%100
67	M73	X	5.193	5.193	0	%100
68	M73	Z	8.995	8.995	0	%100
69	M74	X	3.022	3.022	0	%100
70	M74	Z	5.234	5.234	0	%100
71	M75	X	3.938	3.938	0	%100
72	M75	Z	6.821	6.821	0	%100
73	M76	X	4.157	4.157	0	%100
74	M76	Z	7.199	7.199	0	%100
75	M78	X	.379	.379	0	%100
76	M78	Z	.656	.656	0	%100
77	M79	X	.324	.324	0	%100
78	M79	Z	.562	.562	0	%100
79	M80	X	.984	.984	0	%100
80	M80	Z	1.705	1.705	0	%100
81	M81	X	4.157	4.157	0	%100
82	M81	Z	7.199	7.199	0	%100
83	M83	X	2.767	2.767	0	%100
84	M83	Z	4.792	4.792	0	%100
85	M84	X	5.327	5.327	0	%100
86	M84	Z	9.226	9.226	0	%100
87	M85	X	5.791	5.791	0	%100
88	M85	Z	10.03	10.03	0	%100
89	M86	X	5.713	5.713	0	%100
90	M86	Z	9.895	9.895	0	%100
91	M87	X	5.713	5.713	0	%100
92	M87	Z	9.895	9.895	0	%100
93	MP3C	X	3.301	3.301	0	%100
94	MP3C	Z	5.717	5.717	0	%100
95	MP3B	X	3.301	3.301	0	%100
96	MP3B	Z	5.717	5.717	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	13.898	13.898	0	%100
3	M7	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,%]
4	M7	Z	13.898	13.898	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	6.602	6.602	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	6.602	6.602	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	7.709	7.709	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	5.965	5.965	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	7.709	7.709	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	5.965	5.965	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	3.475	3.475	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	3.475	3.475	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	3.475	3.475	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	3.475	3.475	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	6.602	6.602	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	6.602	6.602	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	6.602	6.602	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	1.65	1.65	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	6.602	6.602	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	6.602	6.602	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	6.602	6.602	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	1.65	1.65	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	6.602	6.602	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	6.602	6.602	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	6.602	6.602	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	8.686	8.686	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	8.686	8.686	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	4.393	4.393	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	.36	.36	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,%]
61	M69	X	0	0	0	%100
62	M69	Z	7.268	7.268	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	8.313	8.313	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	10.361	10.361	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	10.915	10.915	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	5.907	5.907	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	8.313	8.313	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	5.585	5.585	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	.911	.911	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	5.907	5.907	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	8.313	8.313	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	.732	.732	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	5.52	5.52	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	11.53	11.53	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	11.53	11.53	0	%100
91	M87	X	0	0	0	%100
92	M87	Z	11.373	11.373	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	6.602	6.602	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	6.602	6.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.212	-5.212	0	%100
2	M1	Z	9.027	9.027	0	%100
3	M7	X	-5.212	-5.212	0	%100
4	M7	Z	9.027	9.027	0	%100
5	M12	X	-1.285	-1.285	0	%100
6	M12	Z	2.225	2.225	0	%100
7	M13	X	-.994	-.994	0	%100
8	M13	Z	1.722	1.722	0	%100
9	M26	X	-2.476	-2.476	0	%100
10	M26	Z	4.288	4.288	0	%100
11	MP1A	X	-3.301	-3.301	0	%100
12	MP1A	Z	5.717	5.717	0	%100
13	M58A	X	-1.285	-1.285	0	%100
14	M58A	Z	2.225	2.225	0	%100
15	M59A	X	-.994	-.994	0	%100
16	M59A	Z	1.722	1.722	0	%100
17	M64B	X	-5.139	-5.139	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,%]
18	M64B	Z	8.902	8.902	0	%100
19	M65B	X	-3.976	-3.976	0	%100
20	M65B	Z	6.887	6.887	0	%100
21	M65C	X	-5.212	-5.212	0	%100
22	M65C	Z	9.027	9.027	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-5.212	-5.212	0	%100
26	M65D	Z	9.027	9.027	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-3.301	-3.301	0	%100
30	MP2A	Z	5.717	5.717	0	%100
31	MP3A	X	-3.301	-3.301	0	%100
32	MP3A	Z	5.717	5.717	0	%100
33	MP4A	X	-3.301	-3.301	0	%100
34	MP4A	Z	5.717	5.717	0	%100
35	M33	X	-2.476	-2.476	0	%100
36	M33	Z	4.288	4.288	0	%100
37	MP1C	X	-3.301	-3.301	0	%100
38	MP1C	Z	5.717	5.717	0	%100
39	MP2C	X	-3.301	-3.301	0	%100
40	MP2C	Z	5.717	5.717	0	%100
41	MP4C	X	-3.301	-3.301	0	%100
42	MP4C	Z	5.717	5.717	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-3.301	-3.301	0	%100
46	MP1B	Z	5.717	5.717	0	%100
47	MP2B	X	-3.301	-3.301	0	%100
48	MP2B	Z	5.717	5.717	0	%100
49	MP4B	X	-3.301	-3.301	0	%100
50	MP4B	Z	5.717	5.717	0	%100
51	M58	X	-1.448	-1.448	0	%100
52	M58	Z	2.508	2.508	0	%100
53	M59	X	-5.791	-5.791	0	%100
54	M59	Z	10.03	10.03	0	%100
55	M60	X	-1.448	-1.448	0	%100
56	M60	Z	2.508	2.508	0	%100
57	M67	X	-3.827	-3.827	0	%100
58	M67	Z	6.629	6.629	0	%100
59	M68	X	-.373	-.373	0	%100
60	M68	Z	.646	.646	0	%100
61	M69	X	-1.811	-1.811	0	%100
62	M69	Z	3.136	3.136	0	%100
63	M70	X	-.984	-.984	0	%100
64	M70	Z	1.705	1.705	0	%100
65	M71A	X	-4.157	-4.157	0	%100
66	M71A	Z	7.199	7.199	0	%100
67	M73	X	-2.767	-2.767	0	%100
68	M73	Z	4.792	4.792	0	%100
69	M74	X	-5.327	-5.327	0	%100
70	M74	Z	9.226	9.226	0	%100
71	M75	X	-.984	-.984	0	%100
72	M75	Z	1.705	1.705	0	%100
73	M76	X	-4.157	-4.157	0	%100
74	M76	Z	7.199	7.199	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,%]
75	M78	X	-5.193	-5.193	0	%100
76	M78	Z	8.995	8.995	0	%100
77	M79	X	-3.022	-3.022	0	%100
78	M79	Z	5.234	5.234	0	%100
79	M80	X	-3.938	-3.938	0	%100
80	M80	Z	6.821	6.821	0	%100
81	M81	X	-4.157	-4.157	0	%100
82	M81	Z	7.199	7.199	0	%100
83	M83	X	-.379	-.379	0	%100
84	M83	Z	.656	.656	0	%100
85	M84	X	-.324	-.324	0	%100
86	M84	Z	.562	.562	0	%100
87	M85	X	-5.713	-5.713	0	%100
88	M85	Z	9.895	9.895	0	%100
89	M86	X	-5.791	-5.791	0	%100
90	M86	Z	10.03	10.03	0	%100
91	M87	X	-5.713	-5.713	0	%100
92	M87	Z	9.895	9.895	0	%100
93	MP3C	X	-3.301	-3.301	0	%100
94	MP3C	Z	5.717	5.717	0	%100
95	MP3B	X	-3.301	-3.301	0	%100
96	MP3B	Z	5.717	5.717	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.009	-3.009	0	%100
2	M1	Z	1.737	1.737	0	%100
3	M7	X	-3.009	-3.009	0	%100
4	M7	Z	1.737	1.737	0	%100
5	M12	X	-6.676	-6.676	0	%100
6	M12	Z	3.855	3.855	0	%100
7	M13	X	-5.166	-5.166	0	%100
8	M13	Z	2.982	2.982	0	%100
9	M26	X	-1.429	-1.429	0	%100
10	M26	Z	.825	.825	0	%100
11	MP1A	X	-5.717	-5.717	0	%100
12	MP1A	Z	3.301	3.301	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-6.676	-6.676	0	%100
18	M64B	Z	3.855	3.855	0	%100
19	M65B	X	-5.166	-5.166	0	%100
20	M65B	Z	2.982	2.982	0	%100
21	M65C	X	-12.036	-12.036	0	%100
22	M65C	Z	6.949	6.949	0	%100
23	M66A	X	-3.009	-3.009	0	%100
24	M66A	Z	1.737	1.737	0	%100
25	M65D	X	-12.036	-12.036	0	%100
26	M65D	Z	6.949	6.949	0	%100
27	M66B	X	-3.009	-3.009	0	%100
28	M66B	Z	1.737	1.737	0	%100
29	MP2A	X	-5.717	-5.717	0	%100
30	MP2A	Z	3.301	3.301	0	%100
31	MP3A	X	-5.717	-5.717	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,%]
32	MP3A	Z	3.301	3.301	0	%100
33	MP4A	X	-5.717	-5.717	0	%100
34	MP4A	Z	3.301	3.301	0	%100
35	M33	X	-5.717	-5.717	0	%100
36	M33	Z	3.301	3.301	0	%100
37	MP1C	X	-5.717	-5.717	0	%100
38	MP1C	Z	3.301	3.301	0	%100
39	MP2C	X	-5.717	-5.717	0	%100
40	MP2C	Z	3.301	3.301	0	%100
41	MP4C	X	-5.717	-5.717	0	%100
42	MP4C	Z	3.301	3.301	0	%100
43	M46	X	-1.429	-1.429	0	%100
44	M46	Z	.825	.825	0	%100
45	MP1B	X	-5.717	-5.717	0	%100
46	MP1B	Z	3.301	3.301	0	%100
47	MP2B	X	-5.717	-5.717	0	%100
48	MP2B	Z	3.301	3.301	0	%100
49	MP4B	X	-5.717	-5.717	0	%100
50	MP4B	Z	3.301	3.301	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-7.523	-7.523	0	%100
54	M59	Z	4.343	4.343	0	%100
55	M60	X	-7.523	-7.523	0	%100
56	M60	Z	4.343	4.343	0	%100
57	M67	X	-6.294	-6.294	0	%100
58	M67	Z	3.634	3.634	0	%100
59	M68	X	-3.804	-3.804	0	%100
60	M68	Z	2.196	2.196	0	%100
61	M69	X	-.312	-.312	0	%100
62	M69	Z	.18	.18	0	%100
63	M70	X	-5.115	-5.115	0	%100
64	M70	Z	2.953	2.953	0	%100
65	M71A	X	-7.199	-7.199	0	%100
66	M71A	Z	4.157	4.157	0	%100
67	M73	X	-.634	-.634	0	%100
68	M73	Z	.366	.366	0	%100
69	M74	X	-4.781	-4.781	0	%100
70	M74	Z	2.76	2.76	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-7.199	-7.199	0	%100
74	M76	Z	4.157	4.157	0	%100
75	M78	X	-8.973	-8.973	0	%100
76	M78	Z	5.18	5.18	0	%100
77	M79	X	-9.453	-9.453	0	%100
78	M79	Z	5.458	5.458	0	%100
79	M80	X	-5.115	-5.115	0	%100
80	M80	Z	2.953	2.953	0	%100
81	M81	X	-7.199	-7.199	0	%100
82	M81	Z	4.157	4.157	0	%100
83	M83	X	-4.837	-4.837	0	%100
84	M83	Z	2.793	2.793	0	%100
85	M84	X	-.789	-.789	0	%100
86	M84	Z	.455	.455	0	%100
87	M85	X	-9.849	-9.849	0	%100
88	M85	Z	5.687	5.687	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,%]
89	M86	X	-9.985	-9.985	0	%100
90	M86	Z	5.765	5.765	0	%100
91	M87	X	-9.985	-9.985	0	%100
92	M87	Z	5.765	5.765	0	%100
93	MP3C	X	-5.717	-5.717	0	%100
94	MP3C	Z	3.301	3.301	0	%100
95	MP3B	X	-5.717	-5.717	0	%100
96	MP3B	Z	3.301	3.301	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-10.279	-10.279	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-7.953	-7.953	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-6.602	-6.602	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-2.57	-2.57	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-1.988	-1.988	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-2.57	-2.57	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-1.988	-1.988	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-10.424	-10.424	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-10.424	-10.424	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-10.424	-10.424	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-10.424	-10.424	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-6.602	-6.602	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-6.602	-6.602	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	-6.602	-6.602	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	-4.951	-4.951	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-6.602	-6.602	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-6.602	-6.602	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	-6.602	-6.602	0	%100
42	MP4C	Z	0	0	0	%100
43	M46	X	-4.951	-4.951	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-6.602	-6.602	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,%]
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-6.602	-6.602	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	-6.602	-6.602	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	-2.895	-2.895	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-2.895	-2.895	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-11.582	-11.582	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	-3.621	-3.621	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-7.654	-7.654	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-.746	-.746	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	-7.876	-7.876	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	-8.313	-8.313	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	-.758	-.758	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	-.649	-.649	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	-1.969	-1.969	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-8.313	-8.313	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	-5.533	-5.533	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-10.654	-10.654	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-1.969	-1.969	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-8.313	-8.313	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	-10.387	-10.387	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	-6.044	-6.044	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-11.425	-11.425	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	-11.425	-11.425	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	-11.582	-11.582	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	-6.602	-6.602	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	-6.602	-6.602	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.009	-3.009	0	%100
2	M1	Z	-1.737	-1.737	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M7	X	-3.009	-3.009	0	%100
4	M7	Z	-1.737	-1.737	0	%100
5	M12	X	-6.676	-6.676	0	%100
6	M12	Z	-3.855	-3.855	0	%100
7	M13	X	-5.166	-5.166	0	%100
8	M13	Z	-2.982	-2.982	0	%100
9	M26	X	-1.429	-1.429	0	%100
10	M26	Z	-.825	-.825	0	%100
11	MP1A	X	-5.717	-5.717	0	%100
12	MP1A	Z	-3.301	-3.301	0	%100
13	M58A	X	-6.676	-6.676	0	%100
14	M58A	Z	-3.855	-3.855	0	%100
15	M59A	X	-5.166	-5.166	0	%100
16	M59A	Z	-2.982	-2.982	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-3.009	-3.009	0	%100
22	M65C	Z	-1.737	-1.737	0	%100
23	M66A	X	-12.036	-12.036	0	%100
24	M66A	Z	-6.949	-6.949	0	%100
25	M65D	X	-3.009	-3.009	0	%100
26	M65D	Z	-1.737	-1.737	0	%100
27	M66B	X	-12.036	-12.036	0	%100
28	M66B	Z	-6.949	-6.949	0	%100
29	MP2A	X	-5.717	-5.717	0	%100
30	MP2A	Z	-3.301	-3.301	0	%100
31	MP3A	X	-5.717	-5.717	0	%100
32	MP3A	Z	-3.301	-3.301	0	%100
33	MP4A	X	-5.717	-5.717	0	%100
34	MP4A	Z	-3.301	-3.301	0	%100
35	M33	X	-1.429	-1.429	0	%100
36	M33	Z	-.825	-.825	0	%100
37	MP1C	X	-5.717	-5.717	0	%100
38	MP1C	Z	-3.301	-3.301	0	%100
39	MP2C	X	-5.717	-5.717	0	%100
40	MP2C	Z	-3.301	-3.301	0	%100
41	MP4C	X	-5.717	-5.717	0	%100
42	MP4C	Z	-3.301	-3.301	0	%100
43	M46	X	-5.717	-5.717	0	%100
44	M46	Z	-3.301	-3.301	0	%100
45	MP1B	X	-5.717	-5.717	0	%100
46	MP1B	Z	-3.301	-3.301	0	%100
47	MP2B	X	-5.717	-5.717	0	%100
48	MP2B	Z	-3.301	-3.301	0	%100
49	MP4B	X	-5.717	-5.717	0	%100
50	MP4B	Z	-3.301	-3.301	0	%100
51	M58	X	-7.523	-7.523	0	%100
52	M58	Z	-4.343	-4.343	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-7.523	-7.523	0	%100
56	M60	Z	-4.343	-4.343	0	%100
57	M67	X	-.312	-.312	0	%100
58	M67	Z	-.18	-.18	0	%100
59	M68	X	-6.294	-6.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M68	Z	-3.634	-3.634	0	%100
61	M69	X	-3.804	-3.804	0	%100
62	M69	Z	-2.196	-2.196	0	%100
63	M70	X	-5.115	-5.115	0	%100
64	M70	Z	-2.953	-2.953	0	%100
65	M71A	X	-7.199	-7.199	0	%100
66	M71A	Z	-4.157	-4.157	0	%100
67	M73	X	-4.837	-4.837	0	%100
68	M73	Z	-2.793	-2.793	0	%100
69	M74	X	-.789	-.789	0	%100
70	M74	Z	-.455	-.455	0	%100
71	M75	X	-5.115	-5.115	0	%100
72	M75	Z	-2.953	-2.953	0	%100
73	M76	X	-7.199	-7.199	0	%100
74	M76	Z	-4.157	-4.157	0	%100
75	M78	X	-.634	-.634	0	%100
76	M78	Z	-.366	-.366	0	%100
77	M79	X	-4.781	-4.781	0	%100
78	M79	Z	-2.76	-2.76	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-7.199	-7.199	0	%100
82	M81	Z	-4.157	-4.157	0	%100
83	M83	X	-8.973	-8.973	0	%100
84	M83	Z	-5.18	-5.18	0	%100
85	M84	X	-9.453	-9.453	0	%100
86	M84	Z	-5.458	-5.458	0	%100
87	M85	X	-9.985	-9.985	0	%100
88	M85	Z	-5.765	-5.765	0	%100
89	M86	X	-9.849	-9.849	0	%100
90	M86	Z	-5.687	-5.687	0	%100
91	M87	X	-9.985	-9.985	0	%100
92	M87	Z	-5.765	-5.765	0	%100
93	MP3C	X	-5.717	-5.717	0	%100
94	MP3C	Z	-3.301	-3.301	0	%100
95	MP3B	X	-5.717	-5.717	0	%100
96	MP3B	Z	-3.301	-3.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.212	-5.212	0	%100
2	M1	Z	-9.027	-9.027	0	%100
3	M7	X	-5.212	-5.212	0	%100
4	M7	Z	-9.027	-9.027	0	%100
5	M12	X	-1.285	-1.285	0	%100
6	M12	Z	-2.225	-2.225	0	%100
7	M13	X	-.994	-.994	0	%100
8	M13	Z	-1.722	-1.722	0	%100
9	M26	X	-2.476	-2.476	0	%100
10	M26	Z	-4.288	-4.288	0	%100
11	MP1A	X	-3.301	-3.301	0	%100
12	MP1A	Z	-5.717	-5.717	0	%100
13	M58A	X	-5.139	-5.139	0	%100
14	M58A	Z	-8.902	-8.902	0	%100
15	M59A	X	-3.976	-3.976	0	%100
16	M59A	Z	-6.887	-6.887	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,%]
17	M64B	X	-1.285	-1.285	0	%100
18	M64B	Z	-2.225	-2.225	0	%100
19	M65B	X	-.994	-.994	0	%100
20	M65B	Z	-1.722	-1.722	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-5.212	-5.212	0	%100
24	M66A	Z	-9.027	-9.027	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-5.212	-5.212	0	%100
28	M66B	Z	-9.027	-9.027	0	%100
29	MP2A	X	-3.301	-3.301	0	%100
30	MP2A	Z	-5.717	-5.717	0	%100
31	MP3A	X	-3.301	-3.301	0	%100
32	MP3A	Z	-5.717	-5.717	0	%100
33	MP4A	X	-3.301	-3.301	0	%100
34	MP4A	Z	-5.717	-5.717	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-3.301	-3.301	0	%100
38	MP1C	Z	-5.717	-5.717	0	%100
39	MP2C	X	-3.301	-3.301	0	%100
40	MP2C	Z	-5.717	-5.717	0	%100
41	MP4C	X	-3.301	-3.301	0	%100
42	MP4C	Z	-5.717	-5.717	0	%100
43	M46	X	-2.476	-2.476	0	%100
44	M46	Z	-4.288	-4.288	0	%100
45	MP1B	X	-3.301	-3.301	0	%100
46	MP1B	Z	-5.717	-5.717	0	%100
47	MP2B	X	-3.301	-3.301	0	%100
48	MP2B	Z	-5.717	-5.717	0	%100
49	MP4B	X	-3.301	-3.301	0	%100
50	MP4B	Z	-5.717	-5.717	0	%100
51	M58	X	-5.791	-5.791	0	%100
52	M58	Z	-10.03	-10.03	0	%100
53	M59	X	-1.448	-1.448	0	%100
54	M59	Z	-2.508	-2.508	0	%100
55	M60	X	-1.448	-1.448	0	%100
56	M60	Z	-2.508	-2.508	0	%100
57	M67	X	-.373	-.373	0	%100
58	M67	Z	-.646	-.646	0	%100
59	M68	X	-1.811	-1.811	0	%100
60	M68	Z	-3.136	-3.136	0	%100
61	M69	X	-3.827	-3.827	0	%100
62	M69	Z	-6.629	-6.629	0	%100
63	M70	X	-.984	-.984	0	%100
64	M70	Z	-1.705	-1.705	0	%100
65	M71A	X	-4.157	-4.157	0	%100
66	M71A	Z	-7.199	-7.199	0	%100
67	M73	X	-5.193	-5.193	0	%100
68	M73	Z	-8.995	-8.995	0	%100
69	M74	X	-3.022	-3.022	0	%100
70	M74	Z	-5.234	-5.234	0	%100
71	M75	X	-3.938	-3.938	0	%100
72	M75	Z	-6.821	-6.821	0	%100
73	M76	X	-4.157	-4.157	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,%]
74	M76	Z	-7.199	-7.199	0	%100
75	M78	X	-.379	-.379	0	%100
76	M78	Z	-.656	-.656	0	%100
77	M79	X	-.324	-.324	0	%100
78	M79	Z	-.562	-.562	0	%100
79	M80	X	-.984	-.984	0	%100
80	M80	Z	-1.705	-1.705	0	%100
81	M81	X	-4.157	-4.157	0	%100
82	M81	Z	-7.199	-7.199	0	%100
83	M83	X	-2.767	-2.767	0	%100
84	M83	Z	-4.792	-4.792	0	%100
85	M84	X	-5.327	-5.327	0	%100
86	M84	Z	-9.226	-9.226	0	%100
87	M85	X	-5.791	-5.791	0	%100
88	M85	Z	-10.03	-10.03	0	%100
89	M86	X	-5.713	-5.713	0	%100
90	M86	Z	-9.895	-9.895	0	%100
91	M87	X	-5.713	-5.713	0	%100
92	M87	Z	-9.895	-9.895	0	%100
93	MP3C	X	-3.301	-3.301	0	%100
94	MP3C	Z	-5.717	-5.717	0	%100
95	MP3B	X	-3.301	-3.301	0	%100
96	MP3B	Z	-5.717	-5.717	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	-3.584	-3.584	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-3.584	-3.584	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-2.274	-2.274	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-2.274	-2.274	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	-1.978	-1.978	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	-1.599	-1.599	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	-1.978	-1.978	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	-1.599	-1.599	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	-.896	-.896	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	-.896	-.896	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	-.896	-.896	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	-.896	-.896	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	-2.274	-2.274	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,%]
31	MP3A	X	0	0	0	%100
32	MP3A	Z	-2.274	-2.274	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-2.274	-2.274	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.568	-.568	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-2.274	-2.274	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-2.274	-2.274	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-2.274	-2.274	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	-.568	-.568	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-2.274	-2.274	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-2.274	-2.274	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-2.274	-2.274	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	-2.31	-2.31	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-2.31	-2.31	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-1.193	-1.193	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	-.098	-.098	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-1.974	-1.974	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-2.581	-2.581	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	-2.874	-2.874	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-2.987	-2.987	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	-1.547	-1.547	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	-2.581	-2.581	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-1.549	-1.549	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-.249	-.249	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-1.547	-1.547	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-2.581	-2.581	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	-.203	-.203	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	-1.511	-1.511	0	%100
87	M85	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	M85	Z	-3.04	-3.04	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	-3.04	-3.04	0	%100
91	M87	X	0	0	0	%100
92	M87	Z	-2.658	-2.658	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-2.274	-2.274	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-2.274	-2.274	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	1.344	1.344	0	%100
2	M1	Z	-2.328	-2.328	0	%100
3	M7	X	1.344	1.344	0	%100
4	M7	Z	-2.328	-2.328	0	%100
5	M12	X	.33	.33	0	%100
6	M12	Z	-.571	-.571	0	%100
7	M13	X	.267	.267	0	%100
8	M13	Z	-.462	-.462	0	%100
9	M26	X	.853	.853	0	%100
10	M26	Z	-1.477	-1.477	0	%100
11	MP1A	X	1.137	1.137	0	%100
12	MP1A	Z	-1.969	-1.969	0	%100
13	M58A	X	.33	.33	0	%100
14	M58A	Z	-.571	-.571	0	%100
15	M59A	X	.267	.267	0	%100
16	M59A	Z	-.462	-.462	0	%100
17	M64B	X	1.319	1.319	0	%100
18	M64B	Z	-2.284	-2.284	0	%100
19	M65B	X	1.066	1.066	0	%100
20	M65B	Z	-1.847	-1.847	0	%100
21	M65C	X	1.344	1.344	0	%100
22	M65C	Z	-2.328	-2.328	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	1.344	1.344	0	%100
26	M65D	Z	-2.328	-2.328	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	1.137	1.137	0	%100
30	MP2A	Z	-1.969	-1.969	0	%100
31	MP3A	X	1.137	1.137	0	%100
32	MP3A	Z	-1.969	-1.969	0	%100
33	MP4A	X	1.137	1.137	0	%100
34	MP4A	Z	-1.969	-1.969	0	%100
35	M33	X	.853	.853	0	%100
36	M33	Z	-1.477	-1.477	0	%100
37	MP1C	X	1.137	1.137	0	%100
38	MP1C	Z	-1.969	-1.969	0	%100
39	MP2C	X	1.137	1.137	0	%100
40	MP2C	Z	-1.969	-1.969	0	%100
41	MP4C	X	1.137	1.137	0	%100
42	MP4C	Z	-1.969	-1.969	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	MP1B	X	1.137	1.137	0	%100
46	MP1B	Z	-1.969	-1.969	0	%100
47	MP2B	X	1.137	1.137	0	%100
48	MP2B	Z	-1.969	-1.969	0	%100
49	MP4B	X	1.137	1.137	0	%100
50	MP4B	Z	-1.969	-1.969	0	%100
51	M58	X	.385	.385	0	%100
52	M58	Z	-.667	-.667	0	%100
53	M59	X	1.54	1.54	0	%100
54	M59	Z	-2.667	-2.667	0	%100
55	M60	X	.385	.385	0	%100
56	M60	Z	-.667	-.667	0	%100
57	M67	X	1.039	1.039	0	%100
58	M67	Z	-1.8	-1.8	0	%100
59	M68	X	.101	.101	0	%100
60	M68	Z	-.175	-.175	0	%100
61	M69	X	.492	.492	0	%100
62	M69	Z	-.852	-.852	0	%100
63	M70	X	.258	.258	0	%100
64	M70	Z	-.447	-.447	0	%100
65	M71A	X	1.29	1.29	0	%100
66	M71A	Z	-2.235	-2.235	0	%100
67	M73	X	.768	.768	0	%100
68	M73	Z	-1.329	-1.329	0	%100
69	M74	X	1.458	1.458	0	%100
70	M74	Z	-2.525	-2.525	0	%100
71	M75	X	.258	.258	0	%100
72	M75	Z	-.447	-.447	0	%100
73	M76	X	1.29	1.29	0	%100
74	M76	Z	-2.235	-2.235	0	%100
75	M78	X	1.441	1.441	0	%100
76	M78	Z	-2.495	-2.495	0	%100
77	M79	X	.827	.827	0	%100
78	M79	Z	-1.432	-1.432	0	%100
79	M80	X	1.032	1.032	0	%100
80	M80	Z	-1.787	-1.787	0	%100
81	M81	X	1.29	1.29	0	%100
82	M81	Z	-2.235	-2.235	0	%100
83	M83	X	.105	.105	0	%100
84	M83	Z	-.182	-.182	0	%100
85	M84	X	.089	.089	0	%100
86	M84	Z	-.154	-.154	0	%100
87	M85	X	1.393	1.393	0	%100
88	M85	Z	-2.412	-2.412	0	%100
89	M86	X	1.584	1.584	0	%100
90	M86	Z	-2.743	-2.743	0	%100
91	M87	X	1.393	1.393	0	%100
92	M87	Z	-2.412	-2.412	0	%100
93	MP3C	X	1.137	1.137	0	%100
94	MP3C	Z	-1.969	-1.969	0	%100
95	MP3B	X	1.137	1.137	0	%100
96	MP3B	Z	-1.969	-1.969	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	.776	.776	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,%]
2	M1	Z	-.448	-.448	0	%100
3	M7	X	.776	.776	0	%100
4	M7	Z	-.448	-.448	0	%100
5	M12	X	1.713	1.713	0	%100
6	M12	Z	-.989	-.989	0	%100
7	M13	X	1.385	1.385	0	%100
8	M13	Z	-.8	-.8	0	%100
9	M26	X	.492	.492	0	%100
10	M26	Z	-.284	-.284	0	%100
11	MP1A	X	1.969	1.969	0	%100
12	MP1A	Z	-1.137	-1.137	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	1.713	1.713	0	%100
18	M64B	Z	-.989	-.989	0	%100
19	M65B	X	1.385	1.385	0	%100
20	M65B	Z	-.8	-.8	0	%100
21	M65C	X	3.103	3.103	0	%100
22	M65C	Z	-1.792	-1.792	0	%100
23	M66A	X	.776	.776	0	%100
24	M66A	Z	-.448	-.448	0	%100
25	M65D	X	3.103	3.103	0	%100
26	M65D	Z	-1.792	-1.792	0	%100
27	M66B	X	.776	.776	0	%100
28	M66B	Z	-.448	-.448	0	%100
29	MP2A	X	1.969	1.969	0	%100
30	MP2A	Z	-1.137	-1.137	0	%100
31	MP3A	X	1.969	1.969	0	%100
32	MP3A	Z	-1.137	-1.137	0	%100
33	MP4A	X	1.969	1.969	0	%100
34	MP4A	Z	-1.137	-1.137	0	%100
35	M33	X	1.969	1.969	0	%100
36	M33	Z	-1.137	-1.137	0	%100
37	MP1C	X	1.969	1.969	0	%100
38	MP1C	Z	-1.137	-1.137	0	%100
39	MP2C	X	1.969	1.969	0	%100
40	MP2C	Z	-1.137	-1.137	0	%100
41	MP4C	X	1.969	1.969	0	%100
42	MP4C	Z	-1.137	-1.137	0	%100
43	M46	X	.492	.492	0	%100
44	M46	Z	-.284	-.284	0	%100
45	MP1B	X	1.969	1.969	0	%100
46	MP1B	Z	-1.137	-1.137	0	%100
47	MP2B	X	1.969	1.969	0	%100
48	MP2B	Z	-1.137	-1.137	0	%100
49	MP4B	X	1.969	1.969	0	%100
50	MP4B	Z	-1.137	-1.137	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	2	2	0	%100
54	M59	Z	-1.155	-1.155	0	%100
55	M60	X	2	2	0	%100
56	M60	Z	-1.155	-1.155	0	%100
57	M67	X	1.71	1.71	0	%100
58	M67	Z	-.987	-.987	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,%]
59	M68	X	1.033	1.033	0	%100
60	M68	Z	-.597	-.597	0	%100
61	M69	X	.085	.085	0	%100
62	M69	Z	-.049	-.049	0	%100
63	M70	X	1.34	1.34	0	%100
64	M70	Z	-.774	-.774	0	%100
65	M71A	X	2.235	2.235	0	%100
66	M71A	Z	-1.29	-1.29	0	%100
67	M73	X	.176	.176	0	%100
68	M73	Z	-.102	-.102	0	%100
69	M74	X	1.308	1.308	0	%100
70	M74	Z	-.755	-.755	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	2.235	2.235	0	%100
74	M76	Z	-1.29	-1.29	0	%100
75	M78	X	2.489	2.489	0	%100
76	M78	Z	-1.437	-1.437	0	%100
77	M79	X	2.587	2.587	0	%100
78	M79	Z	-1.493	-1.493	0	%100
79	M80	X	1.34	1.34	0	%100
80	M80	Z	-.774	-.774	0	%100
81	M81	X	2.235	2.235	0	%100
82	M81	Z	-1.29	-1.29	0	%100
83	M83	X	1.342	1.342	0	%100
84	M83	Z	-.775	-.775	0	%100
85	M84	X	.216	.216	0	%100
86	M84	Z	-.125	-.125	0	%100
87	M85	X	2.302	2.302	0	%100
88	M85	Z	-1.329	-1.329	0	%100
89	M86	X	2.633	2.633	0	%100
90	M86	Z	-1.52	-1.52	0	%100
91	M87	X	2.633	2.633	0	%100
92	M87	Z	-1.52	-1.52	0	%100
93	MP3C	X	1.969	1.969	0	%100
94	MP3C	Z	-1.137	-1.137	0	%100
95	MP3B	X	1.969	1.969	0	%100
96	MP3B	Z	-1.137	-1.137	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	2.638	2.638	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	2.132	2.132	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	2.274	2.274	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	.659	.659	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	.533	.533	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,%]
16	M59A	Z	0	0	0	%100
17	M64B	X	.659	.659	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	.533	.533	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	2.688	2.688	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	2.688	2.688	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	2.688	2.688	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	2.688	2.688	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	2.274	2.274	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	2.274	2.274	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	2.274	2.274	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	1.705	1.705	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	2.274	2.274	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	2.274	2.274	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	2.274	2.274	0	%100
42	MP4C	Z	0	0	0	%100
43	M46	X	1.705	1.705	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	2.274	2.274	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	2.274	2.274	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	2.274	2.274	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	.77	.77	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	.77	.77	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	3.08	3.08	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	.984	.984	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	2.079	2.079	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	.203	.203	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	2.063	2.063	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	2.581	2.581	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	.21	.21	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	.178	.178	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	.516	.516	0	%100
72	M75	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,%]
73	M76	X	2.581	2.581	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	1.535	1.535	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	2.915	2.915	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	.516	.516	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	2.581	2.581	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	2.881	2.881	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	1.654	1.654	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	2.785	2.785	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	2.785	2.785	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	3.168	3.168	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	2.274	2.274	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	2.274	2.274	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.776	.776	0	%100
2	M1	Z	.448	.448	0	%100
3	M7	X	.776	.776	0	%100
4	M7	Z	.448	.448	0	%100
5	M12	X	1.713	1.713	0	%100
6	M12	Z	.989	.989	0	%100
7	M13	X	1.385	1.385	0	%100
8	M13	Z	.8	.8	0	%100
9	M26	X	.492	.492	0	%100
10	M26	Z	.284	.284	0	%100
11	MP1A	X	1.969	1.969	0	%100
12	MP1A	Z	1.137	1.137	0	%100
13	M58A	X	1.713	1.713	0	%100
14	M58A	Z	.989	.989	0	%100
15	M59A	X	1.385	1.385	0	%100
16	M59A	Z	.8	.8	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.776	.776	0	%100
22	M65C	Z	.448	.448	0	%100
23	M66A	X	3.103	3.103	0	%100
24	M66A	Z	1.792	1.792	0	%100
25	M65D	X	.776	.776	0	%100
26	M65D	Z	.448	.448	0	%100
27	M66B	X	3.103	3.103	0	%100
28	M66B	Z	1.792	1.792	0	%100
29	MP2A	X	1.969	1.969	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,%]
30	MP2A	Z	1.137	1.137	0	%100
31	MP3A	X	1.969	1.969	0	%100
32	MP3A	Z	1.137	1.137	0	%100
33	MP4A	X	1.969	1.969	0	%100
34	MP4A	Z	1.137	1.137	0	%100
35	M33	X	.492	.492	0	%100
36	M33	Z	.284	.284	0	%100
37	MP1C	X	1.969	1.969	0	%100
38	MP1C	Z	1.137	1.137	0	%100
39	MP2C	X	1.969	1.969	0	%100
40	MP2C	Z	1.137	1.137	0	%100
41	MP4C	X	1.969	1.969	0	%100
42	MP4C	Z	1.137	1.137	0	%100
43	M46	X	1.969	1.969	0	%100
44	M46	Z	1.137	1.137	0	%100
45	MP1B	X	1.969	1.969	0	%100
46	MP1B	Z	1.137	1.137	0	%100
47	MP2B	X	1.969	1.969	0	%100
48	MP2B	Z	1.137	1.137	0	%100
49	MP4B	X	1.969	1.969	0	%100
50	MP4B	Z	1.137	1.137	0	%100
51	M58	X	2	2	0	%100
52	M58	Z	1.155	1.155	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	2	2	0	%100
56	M60	Z	1.155	1.155	0	%100
57	M67	X	.085	.085	0	%100
58	M67	Z	.049	.049	0	%100
59	M68	X	1.71	1.71	0	%100
60	M68	Z	.987	.987	0	%100
61	M69	X	1.033	1.033	0	%100
62	M69	Z	.597	.597	0	%100
63	M70	X	1.34	1.34	0	%100
64	M70	Z	.774	.774	0	%100
65	M71A	X	2.235	2.235	0	%100
66	M71A	Z	1.29	1.29	0	%100
67	M73	X	1.342	1.342	0	%100
68	M73	Z	.775	.775	0	%100
69	M74	X	.216	.216	0	%100
70	M74	Z	.125	.125	0	%100
71	M75	X	1.34	1.34	0	%100
72	M75	Z	.774	.774	0	%100
73	M76	X	2.235	2.235	0	%100
74	M76	Z	1.29	1.29	0	%100
75	M78	X	.176	.176	0	%100
76	M78	Z	.102	.102	0	%100
77	M79	X	1.308	1.308	0	%100
78	M79	Z	.755	.755	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	2.235	2.235	0	%100
82	M81	Z	1.29	1.29	0	%100
83	M83	X	2.489	2.489	0	%100
84	M83	Z	1.437	1.437	0	%100
85	M84	X	2.587	2.587	0	%100
86	M84	Z	1.493	1.493	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,%]
87	M85	X	2.633	2.633	0	%100
88	M85	Z	1.52	1.52	0	%100
89	M86	X	2.302	2.302	0	%100
90	M86	Z	1.329	1.329	0	%100
91	M87	X	2.633	2.633	0	%100
92	M87	Z	1.52	1.52	0	%100
93	MP3C	X	1.969	1.969	0	%100
94	MP3C	Z	1.137	1.137	0	%100
95	MP3B	X	1.969	1.969	0	%100
96	MP3B	Z	1.137	1.137	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	1.344	1.344	0	%100
2	M1	Z	2.328	2.328	0	%100
3	M7	X	1.344	1.344	0	%100
4	M7	Z	2.328	2.328	0	%100
5	M12	X	.33	.33	0	%100
6	M12	Z	.571	.571	0	%100
7	M13	X	.267	.267	0	%100
8	M13	Z	.462	.462	0	%100
9	M26	X	.853	.853	0	%100
10	M26	Z	1.477	1.477	0	%100
11	MP1A	X	1.137	1.137	0	%100
12	MP1A	Z	1.969	1.969	0	%100
13	M58A	X	1.319	1.319	0	%100
14	M58A	Z	2.284	2.284	0	%100
15	M59A	X	1.066	1.066	0	%100
16	M59A	Z	1.847	1.847	0	%100
17	M64B	X	.33	.33	0	%100
18	M64B	Z	.571	.571	0	%100
19	M65B	X	.267	.267	0	%100
20	M65B	Z	.462	.462	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	1.344	1.344	0	%100
24	M66A	Z	2.328	2.328	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	1.344	1.344	0	%100
28	M66B	Z	2.328	2.328	0	%100
29	MP2A	X	1.137	1.137	0	%100
30	MP2A	Z	1.969	1.969	0	%100
31	MP3A	X	1.137	1.137	0	%100
32	MP3A	Z	1.969	1.969	0	%100
33	MP4A	X	1.137	1.137	0	%100
34	MP4A	Z	1.969	1.969	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	1.137	1.137	0	%100
38	MP1C	Z	1.969	1.969	0	%100
39	MP2C	X	1.137	1.137	0	%100
40	MP2C	Z	1.969	1.969	0	%100
41	MP4C	X	1.137	1.137	0	%100
42	MP4C	Z	1.969	1.969	0	%100
43	M46	X	.853	.853	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,%]
44	M46	Z	1.477	1.477	0	%100
45	MP1B	X	1.137	1.137	0	%100
46	MP1B	Z	1.969	1.969	0	%100
47	MP2B	X	1.137	1.137	0	%100
48	MP2B	Z	1.969	1.969	0	%100
49	MP4B	X	1.137	1.137	0	%100
50	MP4B	Z	1.969	1.969	0	%100
51	M58	X	1.54	1.54	0	%100
52	M58	Z	2.667	2.667	0	%100
53	M59	X	.385	.385	0	%100
54	M59	Z	.667	.667	0	%100
55	M60	X	.385	.385	0	%100
56	M60	Z	.667	.667	0	%100
57	M67	X	.101	.101	0	%100
58	M67	Z	.175	.175	0	%100
59	M68	X	.492	.492	0	%100
60	M68	Z	.852	.852	0	%100
61	M69	X	1.039	1.039	0	%100
62	M69	Z	1.8	1.8	0	%100
63	M70	X	.258	.258	0	%100
64	M70	Z	.447	.447	0	%100
65	M71A	X	1.29	1.29	0	%100
66	M71A	Z	2.235	2.235	0	%100
67	M73	X	1.441	1.441	0	%100
68	M73	Z	2.495	2.495	0	%100
69	M74	X	.827	.827	0	%100
70	M74	Z	1.432	1.432	0	%100
71	M75	X	1.032	1.032	0	%100
72	M75	Z	1.787	1.787	0	%100
73	M76	X	1.29	1.29	0	%100
74	M76	Z	2.235	2.235	0	%100
75	M78	X	.105	.105	0	%100
76	M78	Z	.182	.182	0	%100
77	M79	X	.089	.089	0	%100
78	M79	Z	.154	.154	0	%100
79	M80	X	.258	.258	0	%100
80	M80	Z	.447	.447	0	%100
81	M81	X	1.29	1.29	0	%100
82	M81	Z	2.235	2.235	0	%100
83	M83	X	.768	.768	0	%100
84	M83	Z	1.329	1.329	0	%100
85	M84	X	1.458	1.458	0	%100
86	M84	Z	2.525	2.525	0	%100
87	M85	X	1.584	1.584	0	%100
88	M85	Z	2.743	2.743	0	%100
89	M86	X	1.393	1.393	0	%100
90	M86	Z	2.412	2.412	0	%100
91	M87	X	1.393	1.393	0	%100
92	M87	Z	2.412	2.412	0	%100
93	MP3C	X	1.137	1.137	0	%100
94	MP3C	Z	1.969	1.969	0	%100
95	MP3B	X	1.137	1.137	0	%100
96	MP3B	Z	1.969	1.969	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,%]

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.584	3.584	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	3.584	3.584	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	2.274	2.274	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	2.274	2.274	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	1.978	1.978	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	1.599	1.599	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	1.978	1.978	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	1.599	1.599	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	.896	.896	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	.896	.896	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	.896	.896	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	.896	.896	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	2.274	2.274	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	2.274	2.274	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	2.274	2.274	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.568	.568	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	2.274	2.274	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	2.274	2.274	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	2.274	2.274	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	.568	.568	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	2.274	2.274	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	2.274	2.274	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	2.274	2.274	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	2.31	2.31	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	2.31	2.31	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	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,%]
58	M67	Z	1.193	1.193	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	.098	.098	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	1.974	1.974	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	2.581	2.581	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	2.874	2.874	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	2.987	2.987	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	1.547	1.547	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	2.581	2.581	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	1.549	1.549	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	.249	.249	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	1.547	1.547	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	2.581	2.581	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	.203	.203	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	1.511	1.511	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	3.04	3.04	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	3.04	3.04	0	%100
91	M87	X	0	0	0	%100
92	M87	Z	2.658	2.658	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	2.274	2.274	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	2.274	2.274	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	-1.344	-1.344	0	%100
2	M1	Z	2.328	2.328	0	%100
3	M7	X	-1.344	-1.344	0	%100
4	M7	Z	2.328	2.328	0	%100
5	M12	X	-.33	-.33	0	%100
6	M12	Z	.571	.571	0	%100
7	M13	X	-.267	-.267	0	%100
8	M13	Z	.462	.462	0	%100
9	M26	X	-.853	-.853	0	%100
10	M26	Z	1.477	1.477	0	%100
11	MP1A	X	-1.137	-1.137	0	%100
12	MP1A	Z	1.969	1.969	0	%100
13	M58A	X	-.33	-.33	0	%100
14	M58A	Z	.571	.571	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,%]
15	M59A	X	-.267	-.267	0	%100
16	M59A	Z	.462	.462	0	%100
17	M64B	X	-1.319	-1.319	0	%100
18	M64B	Z	2.284	2.284	0	%100
19	M65B	X	-1.066	-1.066	0	%100
20	M65B	Z	1.847	1.847	0	%100
21	M65C	X	-1.344	-1.344	0	%100
22	M65C	Z	2.328	2.328	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-1.344	-1.344	0	%100
26	M65D	Z	2.328	2.328	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-1.137	-1.137	0	%100
30	MP2A	Z	1.969	1.969	0	%100
31	MP3A	X	-1.137	-1.137	0	%100
32	MP3A	Z	1.969	1.969	0	%100
33	MP4A	X	-1.137	-1.137	0	%100
34	MP4A	Z	1.969	1.969	0	%100
35	M33	X	-.853	-.853	0	%100
36	M33	Z	1.477	1.477	0	%100
37	MP1C	X	-1.137	-1.137	0	%100
38	MP1C	Z	1.969	1.969	0	%100
39	MP2C	X	-1.137	-1.137	0	%100
40	MP2C	Z	1.969	1.969	0	%100
41	MP4C	X	-1.137	-1.137	0	%100
42	MP4C	Z	1.969	1.969	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-1.137	-1.137	0	%100
46	MP1B	Z	1.969	1.969	0	%100
47	MP2B	X	-1.137	-1.137	0	%100
48	MP2B	Z	1.969	1.969	0	%100
49	MP4B	X	-1.137	-1.137	0	%100
50	MP4B	Z	1.969	1.969	0	%100
51	M58	X	-.385	-.385	0	%100
52	M58	Z	.667	.667	0	%100
53	M59	X	-1.54	-1.54	0	%100
54	M59	Z	2.667	2.667	0	%100
55	M60	X	-.385	-.385	0	%100
56	M60	Z	.667	.667	0	%100
57	M67	X	-1.039	-1.039	0	%100
58	M67	Z	1.8	1.8	0	%100
59	M68	X	-.101	-.101	0	%100
60	M68	Z	.175	.175	0	%100
61	M69	X	-.492	-.492	0	%100
62	M69	Z	.852	.852	0	%100
63	M70	X	-.258	-.258	0	%100
64	M70	Z	.447	.447	0	%100
65	M71A	X	-1.29	-1.29	0	%100
66	M71A	Z	2.235	2.235	0	%100
67	M73	X	-.768	-.768	0	%100
68	M73	Z	1.329	1.329	0	%100
69	M74	X	-1.458	-1.458	0	%100
70	M74	Z	2.525	2.525	0	%100
71	M75	X	-.258	-.258	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,%]
72	M75	Z	.447	.447	0	%100
73	M76	X	-1.29	-1.29	0	%100
74	M76	Z	2.235	2.235	0	%100
75	M78	X	-1.441	-1.441	0	%100
76	M78	Z	2.495	2.495	0	%100
77	M79	X	-.827	-.827	0	%100
78	M79	Z	1.432	1.432	0	%100
79	M80	X	-1.032	-1.032	0	%100
80	M80	Z	1.787	1.787	0	%100
81	M81	X	-1.29	-1.29	0	%100
82	M81	Z	2.235	2.235	0	%100
83	M83	X	-.105	-.105	0	%100
84	M83	Z	.182	.182	0	%100
85	M84	X	-.089	-.089	0	%100
86	M84	Z	.154	.154	0	%100
87	M85	X	-1.393	-1.393	0	%100
88	M85	Z	2.412	2.412	0	%100
89	M86	X	-1.584	-1.584	0	%100
90	M86	Z	2.743	2.743	0	%100
91	M87	X	-1.393	-1.393	0	%100
92	M87	Z	2.412	2.412	0	%100
93	MP3C	X	-1.137	-1.137	0	%100
94	MP3C	Z	1.969	1.969	0	%100
95	MP3B	X	-1.137	-1.137	0	%100
96	MP3B	Z	1.969	1.969	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	-.776	-.776	0	%100
2	M1	Z	.448	.448	0	%100
3	M7	X	-.776	-.776	0	%100
4	M7	Z	.448	.448	0	%100
5	M12	X	-1.713	-1.713	0	%100
6	M12	Z	.989	.989	0	%100
7	M13	X	-1.385	-1.385	0	%100
8	M13	Z	.8	.8	0	%100
9	M26	X	-.492	-.492	0	%100
10	M26	Z	.284	.284	0	%100
11	MP1A	X	-1.969	-1.969	0	%100
12	MP1A	Z	1.137	1.137	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-1.713	-1.713	0	%100
18	M64B	Z	.989	.989	0	%100
19	M65B	X	-1.385	-1.385	0	%100
20	M65B	Z	.8	.8	0	%100
21	M65C	X	-3.103	-3.103	0	%100
22	M65C	Z	1.792	1.792	0	%100
23	M66A	X	-.776	-.776	0	%100
24	M66A	Z	.448	.448	0	%100
25	M65D	X	-3.103	-3.103	0	%100
26	M65D	Z	1.792	1.792	0	%100
27	M66B	X	-.776	-.776	0	%100
28	M66B	Z	.448	.448	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,%]
29	MP2A	X	-1.969	-1.969	0	%100
30	MP2A	Z	1.137	1.137	0	%100
31	MP3A	X	-1.969	-1.969	0	%100
32	MP3A	Z	1.137	1.137	0	%100
33	MP4A	X	-1.969	-1.969	0	%100
34	MP4A	Z	1.137	1.137	0	%100
35	M33	X	-1.969	-1.969	0	%100
36	M33	Z	1.137	1.137	0	%100
37	MP1C	X	-1.969	-1.969	0	%100
38	MP1C	Z	1.137	1.137	0	%100
39	MP2C	X	-1.969	-1.969	0	%100
40	MP2C	Z	1.137	1.137	0	%100
41	MP4C	X	-1.969	-1.969	0	%100
42	MP4C	Z	1.137	1.137	0	%100
43	M46	X	-.492	-.492	0	%100
44	M46	Z	.284	.284	0	%100
45	MP1B	X	-1.969	-1.969	0	%100
46	MP1B	Z	1.137	1.137	0	%100
47	MP2B	X	-1.969	-1.969	0	%100
48	MP2B	Z	1.137	1.137	0	%100
49	MP4B	X	-1.969	-1.969	0	%100
50	MP4B	Z	1.137	1.137	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-2	-2	0	%100
54	M59	Z	1.155	1.155	0	%100
55	M60	X	-2	-2	0	%100
56	M60	Z	1.155	1.155	0	%100
57	M67	X	-1.71	-1.71	0	%100
58	M67	Z	.987	.987	0	%100
59	M68	X	-1.033	-1.033	0	%100
60	M68	Z	.597	.597	0	%100
61	M69	X	-.085	-.085	0	%100
62	M69	Z	.049	.049	0	%100
63	M70	X	-1.34	-1.34	0	%100
64	M70	Z	.774	.774	0	%100
65	M71A	X	-2.235	-2.235	0	%100
66	M71A	Z	1.29	1.29	0	%100
67	M73	X	-.176	-.176	0	%100
68	M73	Z	.102	.102	0	%100
69	M74	X	-1.308	-1.308	0	%100
70	M74	Z	.755	.755	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-2.235	-2.235	0	%100
74	M76	Z	1.29	1.29	0	%100
75	M78	X	-2.489	-2.489	0	%100
76	M78	Z	1.437	1.437	0	%100
77	M79	X	-2.587	-2.587	0	%100
78	M79	Z	1.493	1.493	0	%100
79	M80	X	-1.34	-1.34	0	%100
80	M80	Z	.774	.774	0	%100
81	M81	X	-2.235	-2.235	0	%100
82	M81	Z	1.29	1.29	0	%100
83	M83	X	-1.342	-1.342	0	%100
84	M83	Z	.775	.775	0	%100
85	M84	X	-.216	-.216	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,%]
86	M84	Z	.125	.125	0	%100
87	M85	X	-2.302	-2.302	0	%100
88	M85	Z	1.329	1.329	0	%100
89	M86	X	-2.633	-2.633	0	%100
90	M86	Z	1.52	1.52	0	%100
91	M87	X	-2.633	-2.633	0	%100
92	M87	Z	1.52	1.52	0	%100
93	MP3C	X	-1.969	-1.969	0	%100
94	MP3C	Z	1.137	1.137	0	%100
95	MP3B	X	-1.969	-1.969	0	%100
96	MP3B	Z	1.137	1.137	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-2.638	-2.638	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-2.132	-2.132	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-2.274	-2.274	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-.659	-.659	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-.533	-.533	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.659	-.659	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-.533	-.533	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-2.688	-2.688	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-2.688	-2.688	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-2.688	-2.688	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-2.688	-2.688	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-2.274	-2.274	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-2.274	-2.274	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	-2.274	-2.274	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	-1.705	-1.705	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-2.274	-2.274	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-2.274	-2.274	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	-2.274	-2.274	0	%100
42	MP4C	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,%]
43	M46	X	-1.705	-1.705	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-2.274	-2.274	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-2.274	-2.274	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	-2.274	-2.274	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	-.77	-.77	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-.77	-.77	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-3.08	-3.08	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	-.984	-.984	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-2.079	-2.079	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-.203	-.203	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	-2.063	-2.063	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	-2.581	-2.581	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	-.21	-.21	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	-.178	-.178	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	-.516	-.516	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-2.581	-2.581	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	-1.535	-1.535	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-2.915	-2.915	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-.516	-.516	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-2.581	-2.581	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	-2.881	-2.881	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	-1.654	-1.654	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-2.785	-2.785	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	-2.785	-2.785	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	-3.168	-3.168	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	-2.274	-2.274	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	-2.274	-2.274	0	%100
96	MP3B	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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,%]
1	M1	X	-.776	-.776	0	%100
2	M1	Z	-.448	-.448	0	%100
3	M7	X	-.776	-.776	0	%100
4	M7	Z	-.448	-.448	0	%100
5	M12	X	-1.713	-1.713	0	%100
6	M12	Z	-.989	-.989	0	%100
7	M13	X	-1.385	-1.385	0	%100
8	M13	Z	-.8	-.8	0	%100
9	M26	X	-.492	-.492	0	%100
10	M26	Z	-.284	-.284	0	%100
11	MP1A	X	-1.969	-1.969	0	%100
12	MP1A	Z	-1.137	-1.137	0	%100
13	M58A	X	-1.713	-1.713	0	%100
14	M58A	Z	-.989	-.989	0	%100
15	M59A	X	-1.385	-1.385	0	%100
16	M59A	Z	-.8	-.8	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-.776	-.776	0	%100
22	M65C	Z	-.448	-.448	0	%100
23	M66A	X	-3.103	-3.103	0	%100
24	M66A	Z	-1.792	-1.792	0	%100
25	M65D	X	-.776	-.776	0	%100
26	M65D	Z	-.448	-.448	0	%100
27	M66B	X	-3.103	-3.103	0	%100
28	M66B	Z	-1.792	-1.792	0	%100
29	MP2A	X	-1.969	-1.969	0	%100
30	MP2A	Z	-1.137	-1.137	0	%100
31	MP3A	X	-1.969	-1.969	0	%100
32	MP3A	Z	-1.137	-1.137	0	%100
33	MP4A	X	-1.969	-1.969	0	%100
34	MP4A	Z	-1.137	-1.137	0	%100
35	M33	X	-.492	-.492	0	%100
36	M33	Z	-.284	-.284	0	%100
37	MP1C	X	-1.969	-1.969	0	%100
38	MP1C	Z	-1.137	-1.137	0	%100
39	MP2C	X	-1.969	-1.969	0	%100
40	MP2C	Z	-1.137	-1.137	0	%100
41	MP4C	X	-1.969	-1.969	0	%100
42	MP4C	Z	-1.137	-1.137	0	%100
43	M46	X	-1.969	-1.969	0	%100
44	M46	Z	-1.137	-1.137	0	%100
45	MP1B	X	-1.969	-1.969	0	%100
46	MP1B	Z	-1.137	-1.137	0	%100
47	MP2B	X	-1.969	-1.969	0	%100
48	MP2B	Z	-1.137	-1.137	0	%100
49	MP4B	X	-1.969	-1.969	0	%100
50	MP4B	Z	-1.137	-1.137	0	%100
51	M58	X	-2	-2	0	%100
52	M58	Z	-1.155	-1.155	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-2	-2	0	%100
56	M60	Z	-1.155	-1.155	0	%100
57	M67	X	-.085	-.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M67	Z	-.049	-.049	0	%100
59	M68	X	-1.71	-1.71	0	%100
60	M68	Z	-.987	-.987	0	%100
61	M69	X	-1.033	-1.033	0	%100
62	M69	Z	-.597	-.597	0	%100
63	M70	X	-1.34	-1.34	0	%100
64	M70	Z	-.774	-.774	0	%100
65	M71A	X	-2.235	-2.235	0	%100
66	M71A	Z	-1.29	-1.29	0	%100
67	M73	X	-1.342	-1.342	0	%100
68	M73	Z	-.775	-.775	0	%100
69	M74	X	-.216	-.216	0	%100
70	M74	Z	-.125	-.125	0	%100
71	M75	X	-1.34	-1.34	0	%100
72	M75	Z	-.774	-.774	0	%100
73	M76	X	-2.235	-2.235	0	%100
74	M76	Z	-1.29	-1.29	0	%100
75	M78	X	-.176	-.176	0	%100
76	M78	Z	-.102	-.102	0	%100
77	M79	X	-1.308	-1.308	0	%100
78	M79	Z	-.755	-.755	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-2.235	-2.235	0	%100
82	M81	Z	-1.29	-1.29	0	%100
83	M83	X	-2.489	-2.489	0	%100
84	M83	Z	-1.437	-1.437	0	%100
85	M84	X	-2.587	-2.587	0	%100
86	M84	Z	-1.493	-1.493	0	%100
87	M85	X	-2.633	-2.633	0	%100
88	M85	Z	-1.52	-1.52	0	%100
89	M86	X	-2.302	-2.302	0	%100
90	M86	Z	-1.329	-1.329	0	%100
91	M87	X	-2.633	-2.633	0	%100
92	M87	Z	-1.52	-1.52	0	%100
93	MP3C	X	-1.969	-1.969	0	%100
94	MP3C	Z	-1.137	-1.137	0	%100
95	MP3B	X	-1.969	-1.969	0	%100
96	MP3B	Z	-1.137	-1.137	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	-1.344	-1.344	0	%100
2	M1	Z	-2.328	-2.328	0	%100
3	M7	X	-1.344	-1.344	0	%100
4	M7	Z	-2.328	-2.328	0	%100
5	M12	X	-.33	-.33	0	%100
6	M12	Z	-.571	-.571	0	%100
7	M13	X	-.267	-.267	0	%100
8	M13	Z	-.462	-.462	0	%100
9	M26	X	-.853	-.853	0	%100
10	M26	Z	-1.477	-1.477	0	%100
11	MP1A	X	-1.137	-1.137	0	%100
12	MP1A	Z	-1.969	-1.969	0	%100
13	M58A	X	-1.319	-1.319	0	%100
14	M58A	Z	-2.284	-2.284	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,%]
15	M59A	X	-1.066	-1.066	0	%100
16	M59A	Z	-1.847	-1.847	0	%100
17	M64B	X	-.33	-.33	0	%100
18	M64B	Z	-.571	-.571	0	%100
19	M65B	X	-.267	-.267	0	%100
20	M65B	Z	-.462	-.462	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-1.344	-1.344	0	%100
24	M66A	Z	-2.328	-2.328	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-1.344	-1.344	0	%100
28	M66B	Z	-2.328	-2.328	0	%100
29	MP2A	X	-1.137	-1.137	0	%100
30	MP2A	Z	-1.969	-1.969	0	%100
31	MP3A	X	-1.137	-1.137	0	%100
32	MP3A	Z	-1.969	-1.969	0	%100
33	MP4A	X	-1.137	-1.137	0	%100
34	MP4A	Z	-1.969	-1.969	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-1.137	-1.137	0	%100
38	MP1C	Z	-1.969	-1.969	0	%100
39	MP2C	X	-1.137	-1.137	0	%100
40	MP2C	Z	-1.969	-1.969	0	%100
41	MP4C	X	-1.137	-1.137	0	%100
42	MP4C	Z	-1.969	-1.969	0	%100
43	M46	X	-.853	-.853	0	%100
44	M46	Z	-1.477	-1.477	0	%100
45	MP1B	X	-1.137	-1.137	0	%100
46	MP1B	Z	-1.969	-1.969	0	%100
47	MP2B	X	-1.137	-1.137	0	%100
48	MP2B	Z	-1.969	-1.969	0	%100
49	MP4B	X	-1.137	-1.137	0	%100
50	MP4B	Z	-1.969	-1.969	0	%100
51	M58	X	-1.54	-1.54	0	%100
52	M58	Z	-2.667	-2.667	0	%100
53	M59	X	-.385	-.385	0	%100
54	M59	Z	-.667	-.667	0	%100
55	M60	X	-.385	-.385	0	%100
56	M60	Z	-.667	-.667	0	%100
57	M67	X	-.101	-.101	0	%100
58	M67	Z	-.175	-.175	0	%100
59	M68	X	-.492	-.492	0	%100
60	M68	Z	-.852	-.852	0	%100
61	M69	X	-1.039	-1.039	0	%100
62	M69	Z	-1.8	-1.8	0	%100
63	M70	X	-.258	-.258	0	%100
64	M70	Z	-.447	-.447	0	%100
65	M71A	X	-1.29	-1.29	0	%100
66	M71A	Z	-2.235	-2.235	0	%100
67	M73	X	-1.441	-1.441	0	%100
68	M73	Z	-2.495	-2.495	0	%100
69	M74	X	-.827	-.827	0	%100
70	M74	Z	-1.432	-1.432	0	%100
71	M75	X	-1.032	-1.032	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,%]
72	M75	Z	-1.787	-1.787	0	%100
73	M76	X	-1.29	-1.29	0	%100
74	M76	Z	-2.235	-2.235	0	%100
75	M78	X	-.105	-.105	0	%100
76	M78	Z	-.182	-.182	0	%100
77	M79	X	-.089	-.089	0	%100
78	M79	Z	-.154	-.154	0	%100
79	M80	X	-.258	-.258	0	%100
80	M80	Z	-.447	-.447	0	%100
81	M81	X	-1.29	-1.29	0	%100
82	M81	Z	-2.235	-2.235	0	%100
83	M83	X	-.768	-.768	0	%100
84	M83	Z	-1.329	-1.329	0	%100
85	M84	X	-1.458	-1.458	0	%100
86	M84	Z	-2.525	-2.525	0	%100
87	M85	X	-1.584	-1.584	0	%100
88	M85	Z	-2.743	-2.743	0	%100
89	M86	X	-1.393	-1.393	0	%100
90	M86	Z	-2.412	-2.412	0	%100
91	M87	X	-1.393	-1.393	0	%100
92	M87	Z	-2.412	-2.412	0	%100
93	MP3C	X	-1.137	-1.137	0	%100
94	MP3C	Z	-1.969	-1.969	0	%100
95	MP3B	X	-1.137	-1.137	0	%100
96	MP3B	Z	-1.969	-1.969	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	-.898	-.898	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-.898	-.898	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	-.427	-.427	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.427	-.427	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	-.498	-.498	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	-.386	-.386	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	-.498	-.498	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	-.386	-.386	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	-.225	-.225	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	-.225	-.225	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	-.225	-.225	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	-.225	-.225	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	MP2A	X	0	0	0	%100
30	MP2A	Z	-.427	-.427	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	-.427	-.427	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-.427	-.427	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.107	-.107	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-.427	-.427	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-.427	-.427	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-.427	-.427	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	-.107	-.107	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.427	-.427	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-.427	-.427	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	-.427	-.427	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	-.561	-.561	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.561	-.561	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	0	0	0	%100
58	M67	Z	-.284	-.284	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	-.023	-.023	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	-.47	-.47	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	-.537	-.537	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	-.67	-.67	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-.706	-.706	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	-.382	-.382	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	-.537	-.537	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-.361	-.361	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-.059	-.059	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.382	-.382	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-.537	-.537	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	-.047	-.047	0	%100
85	M84	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,%]
86	M84	Z	-.357	-.357	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	-.745	-.745	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	-.745	-.745	0	%100
91	M87	X	0	0	0	%100
92	M87	Z	-.735	-.735	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.427	-.427	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.427	-.427	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	.337	.337	0	%100
2	M1	Z	-.583	-.583	0	%100
3	M7	X	.337	.337	0	%100
4	M7	Z	-.583	-.583	0	%100
5	M12	X	.083	.083	0	%100
6	M12	Z	-.144	-.144	0	%100
7	M13	X	.064	.064	0	%100
8	M13	Z	-.111	-.111	0	%100
9	M26	X	.16	.16	0	%100
10	M26	Z	-.277	-.277	0	%100
11	MP1A	X	.213	.213	0	%100
12	MP1A	Z	-.37	-.37	0	%100
13	M58A	X	.083	.083	0	%100
14	M58A	Z	-.144	-.144	0	%100
15	M59A	X	.064	.064	0	%100
16	M59A	Z	-.111	-.111	0	%100
17	M64B	X	.332	.332	0	%100
18	M64B	Z	-.575	-.575	0	%100
19	M65B	X	.257	.257	0	%100
20	M65B	Z	-.445	-.445	0	%100
21	M65C	X	.337	.337	0	%100
22	M65C	Z	-.583	-.583	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	.337	.337	0	%100
26	M65D	Z	-.583	-.583	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	.213	.213	0	%100
30	MP2A	Z	-.37	-.37	0	%100
31	MP3A	X	.213	.213	0	%100
32	MP3A	Z	-.37	-.37	0	%100
33	MP4A	X	.213	.213	0	%100
34	MP4A	Z	-.37	-.37	0	%100
35	M33	X	.16	.16	0	%100
36	M33	Z	-.277	-.277	0	%100
37	MP1C	X	.213	.213	0	%100
38	MP1C	Z	-.37	-.37	0	%100
39	MP2C	X	.213	.213	0	%100
40	MP2C	Z	-.37	-.37	0	%100
41	MP4C	X	.213	.213	0	%100
42	MP4C	Z	-.37	-.37	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,%]
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	.213	.213	0	%100
46	MP1B	Z	-.37	-.37	0	%100
47	MP2B	X	.213	.213	0	%100
48	MP2B	Z	-.37	-.37	0	%100
49	MP4B	X	.213	.213	0	%100
50	MP4B	Z	-.37	-.37	0	%100
51	M58	X	.094	.094	0	%100
52	M58	Z	-.162	-.162	0	%100
53	M59	X	.374	.374	0	%100
54	M59	Z	-.648	-.648	0	%100
55	M60	X	.094	.094	0	%100
56	M60	Z	-.162	-.162	0	%100
57	M67	X	.247	.247	0	%100
58	M67	Z	-.428	-.428	0	%100
59	M68	X	.024	.024	0	%100
60	M68	Z	-.042	-.042	0	%100
61	M69	X	.117	.117	0	%100
62	M69	Z	-.203	-.203	0	%100
63	M70	X	.064	.064	0	%100
64	M70	Z	-.11	-.11	0	%100
65	M71A	X	.269	.269	0	%100
66	M71A	Z	-.465	-.465	0	%100
67	M73	X	.179	.179	0	%100
68	M73	Z	-.31	-.31	0	%100
69	M74	X	.344	.344	0	%100
70	M74	Z	-.596	-.596	0	%100
71	M75	X	.064	.064	0	%100
72	M75	Z	-.11	-.11	0	%100
73	M76	X	.269	.269	0	%100
74	M76	Z	-.465	-.465	0	%100
75	M78	X	.336	.336	0	%100
76	M78	Z	-.581	-.581	0	%100
77	M79	X	.195	.195	0	%100
78	M79	Z	-.338	-.338	0	%100
79	M80	X	.255	.255	0	%100
80	M80	Z	-.441	-.441	0	%100
81	M81	X	.269	.269	0	%100
82	M81	Z	-.465	-.465	0	%100
83	M83	X	.024	.024	0	%100
84	M83	Z	-.042	-.042	0	%100
85	M84	X	.021	.021	0	%100
86	M84	Z	-.036	-.036	0	%100
87	M85	X	.369	.369	0	%100
88	M85	Z	-.64	-.64	0	%100
89	M86	X	.374	.374	0	%100
90	M86	Z	-.648	-.648	0	%100
91	M87	X	.369	.369	0	%100
92	M87	Z	-.64	-.64	0	%100
93	MP3C	X	.213	.213	0	%100
94	MP3C	Z	-.37	-.37	0	%100
95	MP3B	X	.213	.213	0	%100
96	MP3B	Z	-.37	-.37	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,%]

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,%]
1	M1	X	.194	.194	0	%100
2	M1	Z	-.112	-.112	0	%100
3	M7	X	.194	.194	0	%100
4	M7	Z	-.112	-.112	0	%100
5	M12	X	.432	.432	0	%100
6	M12	Z	-.249	-.249	0	%100
7	M13	X	.334	.334	0	%100
8	M13	Z	-.193	-.193	0	%100
9	M26	X	.092	.092	0	%100
10	M26	Z	-.053	-.053	0	%100
11	MP1A	X	.37	.37	0	%100
12	MP1A	Z	-.213	-.213	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	.432	.432	0	%100
18	M64B	Z	-.249	-.249	0	%100
19	M65B	X	.334	.334	0	%100
20	M65B	Z	-.193	-.193	0	%100
21	M65C	X	.778	.778	0	%100
22	M65C	Z	-.449	-.449	0	%100
23	M66A	X	.194	.194	0	%100
24	M66A	Z	-.112	-.112	0	%100
25	M65D	X	.778	.778	0	%100
26	M65D	Z	-.449	-.449	0	%100
27	M66B	X	.194	.194	0	%100
28	M66B	Z	-.112	-.112	0	%100
29	MP2A	X	.37	.37	0	%100
30	MP2A	Z	-.213	-.213	0	%100
31	MP3A	X	.37	.37	0	%100
32	MP3A	Z	-.213	-.213	0	%100
33	MP4A	X	.37	.37	0	%100
34	MP4A	Z	-.213	-.213	0	%100
35	M33	X	.37	.37	0	%100
36	M33	Z	-.213	-.213	0	%100
37	MP1C	X	.37	.37	0	%100
38	MP1C	Z	-.213	-.213	0	%100
39	MP2C	X	.37	.37	0	%100
40	MP2C	Z	-.213	-.213	0	%100
41	MP4C	X	.37	.37	0	%100
42	MP4C	Z	-.213	-.213	0	%100
43	M46	X	.092	.092	0	%100
44	M46	Z	-.053	-.053	0	%100
45	MP1B	X	.37	.37	0	%100
46	MP1B	Z	-.213	-.213	0	%100
47	MP2B	X	.37	.37	0	%100
48	MP2B	Z	-.213	-.213	0	%100
49	MP4B	X	.37	.37	0	%100
50	MP4B	Z	-.213	-.213	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	.486	.486	0	%100
54	M59	Z	-.281	-.281	0	%100
55	M60	X	.486	.486	0	%100
56	M60	Z	-.281	-.281	0	%100
57	M67	X	.407	.407	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,%]
58	M67	Z	-.235	-.235	0	%100
59	M68	X	.246	.246	0	%100
60	M68	Z	-.142	-.142	0	%100
61	M69	X	.02	.02	0	%100
62	M69	Z	-.012	-.012	0	%100
63	M70	X	.331	.331	0	%100
64	M70	Z	-.191	-.191	0	%100
65	M71A	X	.465	.465	0	%100
66	M71A	Z	-.269	-.269	0	%100
67	M73	X	.041	.041	0	%100
68	M73	Z	-.024	-.024	0	%100
69	M74	X	.309	.309	0	%100
70	M74	Z	-.178	-.178	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	.465	.465	0	%100
74	M76	Z	-.269	-.269	0	%100
75	M78	X	.58	.58	0	%100
76	M78	Z	-.335	-.335	0	%100
77	M79	X	.611	.611	0	%100
78	M79	Z	-.353	-.353	0	%100
79	M80	X	.331	.331	0	%100
80	M80	Z	-.191	-.191	0	%100
81	M81	X	.465	.465	0	%100
82	M81	Z	-.269	-.269	0	%100
83	M83	X	.313	.313	0	%100
84	M83	Z	-.181	-.181	0	%100
85	M84	X	.051	.051	0	%100
86	M84	Z	-.029	-.029	0	%100
87	M85	X	.637	.637	0	%100
88	M85	Z	-.368	-.368	0	%100
89	M86	X	.645	.645	0	%100
90	M86	Z	-.373	-.373	0	%100
91	M87	X	.645	.645	0	%100
92	M87	Z	-.373	-.373	0	%100
93	MP3C	X	.37	.37	0	%100
94	MP3C	Z	-.213	-.213	0	%100
95	MP3B	X	.37	.37	0	%100
96	MP3B	Z	-.213	-.213	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	.664	.664	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	.514	.514	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	.427	.427	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	.166	.166	0	%100
14	M58A	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,%]
15	M59A	X	.129	.129	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	.166	.166	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	.129	.129	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.674	.674	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	.674	.674	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	.674	.674	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	.674	.674	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	.427	.427	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	.427	.427	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	.427	.427	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	.32	.32	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	.427	.427	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	.427	.427	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	.427	.427	0	%100
42	MP4C	Z	0	0	0	%100
43	M46	X	.32	.32	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	.427	.427	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	.427	.427	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	.427	.427	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	.187	.187	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	.187	.187	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	.749	.749	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	.234	.234	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	.495	.495	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	.048	.048	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	.509	.509	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	.537	.537	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	.049	.049	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	.042	.042	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	.127	.127	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,%]
72	M75	Z	0	0	0	%100
73	M76	X	.537	.537	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	.358	.358	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	.689	.689	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	.127	.127	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	.537	.537	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	.671	.671	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	.391	.391	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	.738	.738	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	.738	.738	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	.749	.749	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	.427	.427	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	.427	.427	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.194	.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M7	X	.194	.194	0	%100
4	M7	Z	.112	.112	0	%100
5	M12	X	.432	.432	0	%100
6	M12	Z	.249	.249	0	%100
7	M13	X	.334	.334	0	%100
8	M13	Z	.193	.193	0	%100
9	M26	X	.092	.092	0	%100
10	M26	Z	.053	.053	0	%100
11	MP1A	X	.37	.37	0	%100
12	MP1A	Z	.213	.213	0	%100
13	M58A	X	.432	.432	0	%100
14	M58A	Z	.249	.249	0	%100
15	M59A	X	.334	.334	0	%100
16	M59A	Z	.193	.193	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	.194	.194	0	%100
22	M65C	Z	.112	.112	0	%100
23	M66A	X	.778	.778	0	%100
24	M66A	Z	.449	.449	0	%100
25	M65D	X	.194	.194	0	%100
26	M65D	Z	.112	.112	0	%100
27	M66B	X	.778	.778	0	%100
28	M66B	Z	.449	.449	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,%]
29	MP2A	X	.37	.37	0	%100
30	MP2A	Z	.213	.213	0	%100
31	MP3A	X	.37	.37	0	%100
32	MP3A	Z	.213	.213	0	%100
33	MP4A	X	.37	.37	0	%100
34	MP4A	Z	.213	.213	0	%100
35	M33	X	.092	.092	0	%100
36	M33	Z	.053	.053	0	%100
37	MP1C	X	.37	.37	0	%100
38	MP1C	Z	.213	.213	0	%100
39	MP2C	X	.37	.37	0	%100
40	MP2C	Z	.213	.213	0	%100
41	MP4C	X	.37	.37	0	%100
42	MP4C	Z	.213	.213	0	%100
43	M46	X	.37	.37	0	%100
44	M46	Z	.213	.213	0	%100
45	MP1B	X	.37	.37	0	%100
46	MP1B	Z	.213	.213	0	%100
47	MP2B	X	.37	.37	0	%100
48	MP2B	Z	.213	.213	0	%100
49	MP4B	X	.37	.37	0	%100
50	MP4B	Z	.213	.213	0	%100
51	M58	X	.486	.486	0	%100
52	M58	Z	.281	.281	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	.486	.486	0	%100
56	M60	Z	.281	.281	0	%100
57	M67	X	.02	.02	0	%100
58	M67	Z	.012	.012	0	%100
59	M68	X	.407	.407	0	%100
60	M68	Z	.235	.235	0	%100
61	M69	X	.246	.246	0	%100
62	M69	Z	.142	.142	0	%100
63	M70	X	.331	.331	0	%100
64	M70	Z	.191	.191	0	%100
65	M71A	X	.465	.465	0	%100
66	M71A	Z	.269	.269	0	%100
67	M73	X	.313	.313	0	%100
68	M73	Z	.181	.181	0	%100
69	M74	X	.051	.051	0	%100
70	M74	Z	.029	.029	0	%100
71	M75	X	.331	.331	0	%100
72	M75	Z	.191	.191	0	%100
73	M76	X	.465	.465	0	%100
74	M76	Z	.269	.269	0	%100
75	M78	X	.041	.041	0	%100
76	M78	Z	.024	.024	0	%100
77	M79	X	.309	.309	0	%100
78	M79	Z	.178	.178	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	.465	.465	0	%100
82	M81	Z	.269	.269	0	%100
83	M83	X	.58	.58	0	%100
84	M83	Z	.335	.335	0	%100
85	M84	X	.611	.611	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,%]
86	M84	Z	.353	.353	0	%100
87	M85	X	.645	.645	0	%100
88	M85	Z	.373	.373	0	%100
89	M86	X	.637	.637	0	%100
90	M86	Z	.368	.368	0	%100
91	M87	X	.645	.645	0	%100
92	M87	Z	.373	.373	0	%100
93	MP3C	X	.37	.37	0	%100
94	MP3C	Z	.213	.213	0	%100
95	MP3B	X	.37	.37	0	%100
96	MP3B	Z	.213	.213	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	.337	.337	0	%100
2	M1	Z	.583	.583	0	%100
3	M7	X	.337	.337	0	%100
4	M7	Z	.583	.583	0	%100
5	M12	X	.083	.083	0	%100
6	M12	Z	.144	.144	0	%100
7	M13	X	.064	.064	0	%100
8	M13	Z	.111	.111	0	%100
9	M26	X	.16	.16	0	%100
10	M26	Z	.277	.277	0	%100
11	MP1A	X	.213	.213	0	%100
12	MP1A	Z	.37	.37	0	%100
13	M58A	X	.332	.332	0	%100
14	M58A	Z	.575	.575	0	%100
15	M59A	X	.257	.257	0	%100
16	M59A	Z	.445	.445	0	%100
17	M64B	X	.083	.083	0	%100
18	M64B	Z	.144	.144	0	%100
19	M65B	X	.064	.064	0	%100
20	M65B	Z	.111	.111	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	.337	.337	0	%100
24	M66A	Z	.583	.583	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	.337	.337	0	%100
28	M66B	Z	.583	.583	0	%100
29	MP2A	X	.213	.213	0	%100
30	MP2A	Z	.37	.37	0	%100
31	MP3A	X	.213	.213	0	%100
32	MP3A	Z	.37	.37	0	%100
33	MP4A	X	.213	.213	0	%100
34	MP4A	Z	.37	.37	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	.213	.213	0	%100
38	MP1C	Z	.37	.37	0	%100
39	MP2C	X	.213	.213	0	%100
40	MP2C	Z	.37	.37	0	%100
41	MP4C	X	.213	.213	0	%100
42	MP4C	Z	.37	.37	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,%]
43	M46	X	.16	.16	0	%100
44	M46	Z	.277	.277	0	%100
45	MP1B	X	.213	.213	0	%100
46	MP1B	Z	.37	.37	0	%100
47	MP2B	X	.213	.213	0	%100
48	MP2B	Z	.37	.37	0	%100
49	MP4B	X	.213	.213	0	%100
50	MP4B	Z	.37	.37	0	%100
51	M58	X	.374	.374	0	%100
52	M58	Z	.648	.648	0	%100
53	M59	X	.094	.094	0	%100
54	M59	Z	.162	.162	0	%100
55	M60	X	.094	.094	0	%100
56	M60	Z	.162	.162	0	%100
57	M67	X	.024	.024	0	%100
58	M67	Z	.042	.042	0	%100
59	M68	X	.117	.117	0	%100
60	M68	Z	.203	.203	0	%100
61	M69	X	.247	.247	0	%100
62	M69	Z	.428	.428	0	%100
63	M70	X	.064	.064	0	%100
64	M70	Z	.11	.11	0	%100
65	M71A	X	.269	.269	0	%100
66	M71A	Z	.465	.465	0	%100
67	M73	X	.336	.336	0	%100
68	M73	Z	.581	.581	0	%100
69	M74	X	.195	.195	0	%100
70	M74	Z	.338	.338	0	%100
71	M75	X	.255	.255	0	%100
72	M75	Z	.441	.441	0	%100
73	M76	X	.269	.269	0	%100
74	M76	Z	.465	.465	0	%100
75	M78	X	.024	.024	0	%100
76	M78	Z	.042	.042	0	%100
77	M79	X	.021	.021	0	%100
78	M79	Z	.036	.036	0	%100
79	M80	X	.064	.064	0	%100
80	M80	Z	.11	.11	0	%100
81	M81	X	.269	.269	0	%100
82	M81	Z	.465	.465	0	%100
83	M83	X	.179	.179	0	%100
84	M83	Z	.31	.31	0	%100
85	M84	X	.344	.344	0	%100
86	M84	Z	.596	.596	0	%100
87	M85	X	.374	.374	0	%100
88	M85	Z	.648	.648	0	%100
89	M86	X	.369	.369	0	%100
90	M86	Z	.64	.64	0	%100
91	M87	X	.369	.369	0	%100
92	M87	Z	.64	.64	0	%100
93	MP3C	X	.213	.213	0	%100
94	MP3C	Z	.37	.37	0	%100
95	MP3B	X	.213	.213	0	%100
96	MP3B	Z	.37	.37	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,%]

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	.898	.898	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	.898	.898	0	%100
5	M12	X	0	0	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	.427	.427	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.427	.427	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	.498	.498	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	.386	.386	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	.498	.498	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	.386	.386	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	.225	.225	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	.225	.225	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	.225	.225	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	.225	.225	0	%100
29	MP2A	X	0	0	0	%100
30	MP2A	Z	.427	.427	0	%100
31	MP3A	X	0	0	0	%100
32	MP3A	Z	.427	.427	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	.427	.427	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.107	.107	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	.427	.427	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	.427	.427	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	.427	.427	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	.107	.107	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.427	.427	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	.427	.427	0	%100
49	MP4B	X	0	0	0	%100
50	MP4B	Z	.427	.427	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	.561	.561	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.561	.561	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M67	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,%]
58	M67	Z	.284	.284	0	%100
59	M68	X	0	0	0	%100
60	M68	Z	.023	.023	0	%100
61	M69	X	0	0	0	%100
62	M69	Z	.47	.47	0	%100
63	M70	X	0	0	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	.537	.537	0	%100
67	M73	X	0	0	0	%100
68	M73	Z	.67	.67	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	.706	.706	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	.382	.382	0	%100
73	M76	X	0	0	0	%100
74	M76	Z	.537	.537	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	.361	.361	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	.059	.059	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.382	.382	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	.537	.537	0	%100
83	M83	X	0	0	0	%100
84	M83	Z	.047	.047	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	.357	.357	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	.745	.745	0	%100
89	M86	X	0	0	0	%100
90	M86	Z	.745	.745	0	%100
91	M87	X	0	0	0	%100
92	M87	Z	.735	.735	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.427	.427	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.427	.427	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	-.337	-.337	0	%100
2	M1	Z	.583	.583	0	%100
3	M7	X	-.337	-.337	0	%100
4	M7	Z	.583	.583	0	%100
5	M12	X	-.083	-.083	0	%100
6	M12	Z	.144	.144	0	%100
7	M13	X	-.064	-.064	0	%100
8	M13	Z	.111	.111	0	%100
9	M26	X	-.16	-.16	0	%100
10	M26	Z	.277	.277	0	%100
11	MP1A	X	-.213	-.213	0	%100
12	MP1A	Z	.37	.37	0	%100
13	M58A	X	-.083	-.083	0	%100
14	M58A	Z	.144	.144	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,%]
15	M59A	X	-.064	-.064	0	%100
16	M59A	Z	.111	.111	0	%100
17	M64B	X	-.332	-.332	0	%100
18	M64B	Z	.575	.575	0	%100
19	M65B	X	-.257	-.257	0	%100
20	M65B	Z	.445	.445	0	%100
21	M65C	X	-.337	-.337	0	%100
22	M65C	Z	.583	.583	0	%100
23	M66A	X	0	0	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-.337	-.337	0	%100
26	M65D	Z	.583	.583	0	%100
27	M66B	X	0	0	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-.213	-.213	0	%100
30	MP2A	Z	.37	.37	0	%100
31	MP3A	X	-.213	-.213	0	%100
32	MP3A	Z	.37	.37	0	%100
33	MP4A	X	-.213	-.213	0	%100
34	MP4A	Z	.37	.37	0	%100
35	M33	X	-.16	-.16	0	%100
36	M33	Z	.277	.277	0	%100
37	MP1C	X	-.213	-.213	0	%100
38	MP1C	Z	.37	.37	0	%100
39	MP2C	X	-.213	-.213	0	%100
40	MP2C	Z	.37	.37	0	%100
41	MP4C	X	-.213	-.213	0	%100
42	MP4C	Z	.37	.37	0	%100
43	M46	X	0	0	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-.213	-.213	0	%100
46	MP1B	Z	.37	.37	0	%100
47	MP2B	X	-.213	-.213	0	%100
48	MP2B	Z	.37	.37	0	%100
49	MP4B	X	-.213	-.213	0	%100
50	MP4B	Z	.37	.37	0	%100
51	M58	X	-.094	-.094	0	%100
52	M58	Z	.162	.162	0	%100
53	M59	X	-.374	-.374	0	%100
54	M59	Z	.648	.648	0	%100
55	M60	X	-.094	-.094	0	%100
56	M60	Z	.162	.162	0	%100
57	M67	X	-.247	-.247	0	%100
58	M67	Z	.428	.428	0	%100
59	M68	X	-.024	-.024	0	%100
60	M68	Z	.042	.042	0	%100
61	M69	X	-.117	-.117	0	%100
62	M69	Z	.203	.203	0	%100
63	M70	X	-.064	-.064	0	%100
64	M70	Z	.11	.11	0	%100
65	M71A	X	-.269	-.269	0	%100
66	M71A	Z	.465	.465	0	%100
67	M73	X	-.179	-.179	0	%100
68	M73	Z	.31	.31	0	%100
69	M74	X	-.344	-.344	0	%100
70	M74	Z	.596	.596	0	%100
71	M75	X	-.064	-.064	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,%]
72	M75	Z	.11	.11	0	%100
73	M76	X	-.269	-.269	0	%100
74	M76	Z	.465	.465	0	%100
75	M78	X	-.336	-.336	0	%100
76	M78	Z	.581	.581	0	%100
77	M79	X	-.195	-.195	0	%100
78	M79	Z	.338	.338	0	%100
79	M80	X	-.255	-.255	0	%100
80	M80	Z	.441	.441	0	%100
81	M81	X	-.269	-.269	0	%100
82	M81	Z	.465	.465	0	%100
83	M83	X	-.024	-.024	0	%100
84	M83	Z	.042	.042	0	%100
85	M84	X	-.021	-.021	0	%100
86	M84	Z	.036	.036	0	%100
87	M85	X	-.369	-.369	0	%100
88	M85	Z	.64	.64	0	%100
89	M86	X	-.374	-.374	0	%100
90	M86	Z	.648	.648	0	%100
91	M87	X	-.369	-.369	0	%100
92	M87	Z	.64	.64	0	%100
93	MP3C	X	-.213	-.213	0	%100
94	MP3C	Z	.37	.37	0	%100
95	MP3B	X	-.213	-.213	0	%100
96	MP3B	Z	.37	.37	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	-.194	-.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M7	X	-.194	-.194	0	%100
4	M7	Z	.112	.112	0	%100
5	M12	X	-.432	-.432	0	%100
6	M12	Z	.249	.249	0	%100
7	M13	X	-.334	-.334	0	%100
8	M13	Z	.193	.193	0	%100
9	M26	X	-.092	-.092	0	%100
10	M26	Z	.053	.053	0	%100
11	MP1A	X	-.37	-.37	0	%100
12	MP1A	Z	.213	.213	0	%100
13	M58A	X	0	0	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	0	0	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.432	-.432	0	%100
18	M64B	Z	.249	.249	0	%100
19	M65B	X	-.334	-.334	0	%100
20	M65B	Z	.193	.193	0	%100
21	M65C	X	-.778	-.778	0	%100
22	M65C	Z	.449	.449	0	%100
23	M66A	X	-.194	-.194	0	%100
24	M66A	Z	.112	.112	0	%100
25	M65D	X	-.778	-.778	0	%100
26	M65D	Z	.449	.449	0	%100
27	M66B	X	-.194	-.194	0	%100
28	M66B	Z	.112	.112	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,%]
29	MP2A	X	-.37	-.37	0	%100
30	MP2A	Z	.213	.213	0	%100
31	MP3A	X	-.37	-.37	0	%100
32	MP3A	Z	.213	.213	0	%100
33	MP4A	X	-.37	-.37	0	%100
34	MP4A	Z	.213	.213	0	%100
35	M33	X	-.37	-.37	0	%100
36	M33	Z	.213	.213	0	%100
37	MP1C	X	-.37	-.37	0	%100
38	MP1C	Z	.213	.213	0	%100
39	MP2C	X	-.37	-.37	0	%100
40	MP2C	Z	.213	.213	0	%100
41	MP4C	X	-.37	-.37	0	%100
42	MP4C	Z	.213	.213	0	%100
43	M46	X	-.092	-.092	0	%100
44	M46	Z	.053	.053	0	%100
45	MP1B	X	-.37	-.37	0	%100
46	MP1B	Z	.213	.213	0	%100
47	MP2B	X	-.37	-.37	0	%100
48	MP2B	Z	.213	.213	0	%100
49	MP4B	X	-.37	-.37	0	%100
50	MP4B	Z	.213	.213	0	%100
51	M58	X	0	0	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-.486	-.486	0	%100
54	M59	Z	.281	.281	0	%100
55	M60	X	-.486	-.486	0	%100
56	M60	Z	.281	.281	0	%100
57	M67	X	-.407	-.407	0	%100
58	M67	Z	.235	.235	0	%100
59	M68	X	-.246	-.246	0	%100
60	M68	Z	.142	.142	0	%100
61	M69	X	-.02	-.02	0	%100
62	M69	Z	.012	.012	0	%100
63	M70	X	-.331	-.331	0	%100
64	M70	Z	.191	.191	0	%100
65	M71A	X	-.465	-.465	0	%100
66	M71A	Z	.269	.269	0	%100
67	M73	X	-.041	-.041	0	%100
68	M73	Z	.024	.024	0	%100
69	M74	X	-.309	-.309	0	%100
70	M74	Z	.178	.178	0	%100
71	M75	X	0	0	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-.465	-.465	0	%100
74	M76	Z	.269	.269	0	%100
75	M78	X	-.58	-.58	0	%100
76	M78	Z	.335	.335	0	%100
77	M79	X	-.611	-.611	0	%100
78	M79	Z	.353	.353	0	%100
79	M80	X	-.331	-.331	0	%100
80	M80	Z	.191	.191	0	%100
81	M81	X	-.465	-.465	0	%100
82	M81	Z	.269	.269	0	%100
83	M83	X	-.313	-.313	0	%100
84	M83	Z	.181	.181	0	%100
85	M84	X	-.051	-.051	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,%]
86	M84	Z	.029	.029	0	%100
87	M85	X	-.637	-.637	0	%100
88	M85	Z	.368	.368	0	%100
89	M86	X	-.645	-.645	0	%100
90	M86	Z	.373	.373	0	%100
91	M87	X	-.645	-.645	0	%100
92	M87	Z	.373	.373	0	%100
93	MP3C	X	-.37	-.37	0	%100
94	MP3C	Z	.213	.213	0	%100
95	MP3B	X	-.37	-.37	0	%100
96	MP3B	Z	.213	.213	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	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M12	X	-.664	-.664	0	%100
6	M12	Z	0	0	0	%100
7	M13	X	-.514	-.514	0	%100
8	M13	Z	0	0	0	%100
9	M26	X	0	0	0	%100
10	M26	Z	0	0	0	%100
11	MP1A	X	-.427	-.427	0	%100
12	MP1A	Z	0	0	0	%100
13	M58A	X	-.166	-.166	0	%100
14	M58A	Z	0	0	0	%100
15	M59A	X	-.129	-.129	0	%100
16	M59A	Z	0	0	0	%100
17	M64B	X	-.166	-.166	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	-.129	-.129	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-.674	-.674	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-.674	-.674	0	%100
24	M66A	Z	0	0	0	%100
25	M65D	X	-.674	-.674	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-.674	-.674	0	%100
28	M66B	Z	0	0	0	%100
29	MP2A	X	-.427	-.427	0	%100
30	MP2A	Z	0	0	0	%100
31	MP3A	X	-.427	-.427	0	%100
32	MP3A	Z	0	0	0	%100
33	MP4A	X	-.427	-.427	0	%100
34	MP4A	Z	0	0	0	%100
35	M33	X	-.32	-.32	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-.427	-.427	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-.427	-.427	0	%100
40	MP2C	Z	0	0	0	%100
41	MP4C	X	-.427	-.427	0	%100
42	MP4C	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,%]
43	M46	X	-.32	-.32	0	%100
44	M46	Z	0	0	0	%100
45	MP1B	X	-.427	-.427	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-.427	-.427	0	%100
48	MP2B	Z	0	0	0	%100
49	MP4B	X	-.427	-.427	0	%100
50	MP4B	Z	0	0	0	%100
51	M58	X	-.187	-.187	0	%100
52	M58	Z	0	0	0	%100
53	M59	X	-.187	-.187	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-.749	-.749	0	%100
56	M60	Z	0	0	0	%100
57	M67	X	-.234	-.234	0	%100
58	M67	Z	0	0	0	%100
59	M68	X	-.495	-.495	0	%100
60	M68	Z	0	0	0	%100
61	M69	X	-.048	-.048	0	%100
62	M69	Z	0	0	0	%100
63	M70	X	-.509	-.509	0	%100
64	M70	Z	0	0	0	%100
65	M71A	X	-.537	-.537	0	%100
66	M71A	Z	0	0	0	%100
67	M73	X	-.049	-.049	0	%100
68	M73	Z	0	0	0	%100
69	M74	X	-.042	-.042	0	%100
70	M74	Z	0	0	0	%100
71	M75	X	-.127	-.127	0	%100
72	M75	Z	0	0	0	%100
73	M76	X	-.537	-.537	0	%100
74	M76	Z	0	0	0	%100
75	M78	X	-.358	-.358	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-.689	-.689	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-.127	-.127	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-.537	-.537	0	%100
82	M81	Z	0	0	0	%100
83	M83	X	-.671	-.671	0	%100
84	M83	Z	0	0	0	%100
85	M84	X	-.391	-.391	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-.738	-.738	0	%100
88	M85	Z	0	0	0	%100
89	M86	X	-.738	-.738	0	%100
90	M86	Z	0	0	0	%100
91	M87	X	-.749	-.749	0	%100
92	M87	Z	0	0	0	%100
93	MP3C	X	-.427	-.427	0	%100
94	MP3C	Z	0	0	0	%100
95	MP3B	X	-.427	-.427	0	%100
96	MP3B	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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,%]
1	M1	X	-.194	-.194	0	%100
2	M1	Z	-.112	-.112	0	%100
3	M7	X	-.194	-.194	0	%100
4	M7	Z	-.112	-.112	0	%100
5	M12	X	-.432	-.432	0	%100
6	M12	Z	-.249	-.249	0	%100
7	M13	X	-.334	-.334	0	%100
8	M13	Z	-.193	-.193	0	%100
9	M26	X	-.092	-.092	0	%100
10	M26	Z	-.053	-.053	0	%100
11	MP1A	X	-.37	-.37	0	%100
12	MP1A	Z	-.213	-.213	0	%100
13	M58A	X	-.432	-.432	0	%100
14	M58A	Z	-.249	-.249	0	%100
15	M59A	X	-.334	-.334	0	%100
16	M59A	Z	-.193	-.193	0	%100
17	M64B	X	0	0	0	%100
18	M64B	Z	0	0	0	%100
19	M65B	X	0	0	0	%100
20	M65B	Z	0	0	0	%100
21	M65C	X	-.194	-.194	0	%100
22	M65C	Z	-.112	-.112	0	%100
23	M66A	X	-.778	-.778	0	%100
24	M66A	Z	-.449	-.449	0	%100
25	M65D	X	-.194	-.194	0	%100
26	M65D	Z	-.112	-.112	0	%100
27	M66B	X	-.778	-.778	0	%100
28	M66B	Z	-.449	-.449	0	%100
29	MP2A	X	-.37	-.37	0	%100
30	MP2A	Z	-.213	-.213	0	%100
31	MP3A	X	-.37	-.37	0	%100
32	MP3A	Z	-.213	-.213	0	%100
33	MP4A	X	-.37	-.37	0	%100
34	MP4A	Z	-.213	-.213	0	%100
35	M33	X	-.092	-.092	0	%100
36	M33	Z	-.053	-.053	0	%100
37	MP1C	X	-.37	-.37	0	%100
38	MP1C	Z	-.213	-.213	0	%100
39	MP2C	X	-.37	-.37	0	%100
40	MP2C	Z	-.213	-.213	0	%100
41	MP4C	X	-.37	-.37	0	%100
42	MP4C	Z	-.213	-.213	0	%100
43	M46	X	-.37	-.37	0	%100
44	M46	Z	-.213	-.213	0	%100
45	MP1B	X	-.37	-.37	0	%100
46	MP1B	Z	-.213	-.213	0	%100
47	MP2B	X	-.37	-.37	0	%100
48	MP2B	Z	-.213	-.213	0	%100
49	MP4B	X	-.37	-.37	0	%100
50	MP4B	Z	-.213	-.213	0	%100
51	M58	X	-.486	-.486	0	%100
52	M58	Z	-.281	-.281	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	0	0	0	%100
55	M60	X	-.486	-.486	0	%100
56	M60	Z	-.281	-.281	0	%100
57	M67	X	-.02	-.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M67	Z	-.012	-.012	0	%100
59	M68	X	-.407	-.407	0	%100
60	M68	Z	-.235	-.235	0	%100
61	M69	X	-.246	-.246	0	%100
62	M69	Z	-.142	-.142	0	%100
63	M70	X	-.331	-.331	0	%100
64	M70	Z	-.191	-.191	0	%100
65	M71A	X	-.465	-.465	0	%100
66	M71A	Z	-.269	-.269	0	%100
67	M73	X	-.313	-.313	0	%100
68	M73	Z	-.181	-.181	0	%100
69	M74	X	-.051	-.051	0	%100
70	M74	Z	-.029	-.029	0	%100
71	M75	X	-.331	-.331	0	%100
72	M75	Z	-.191	-.191	0	%100
73	M76	X	-.465	-.465	0	%100
74	M76	Z	-.269	-.269	0	%100
75	M78	X	-.041	-.041	0	%100
76	M78	Z	-.024	-.024	0	%100
77	M79	X	-.309	-.309	0	%100
78	M79	Z	-.178	-.178	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-.465	-.465	0	%100
82	M81	Z	-.269	-.269	0	%100
83	M83	X	-.58	-.58	0	%100
84	M83	Z	-.335	-.335	0	%100
85	M84	X	-.611	-.611	0	%100
86	M84	Z	-.353	-.353	0	%100
87	M85	X	-.645	-.645	0	%100
88	M85	Z	-.373	-.373	0	%100
89	M86	X	-.637	-.637	0	%100
90	M86	Z	-.368	-.368	0	%100
91	M87	X	-.645	-.645	0	%100
92	M87	Z	-.373	-.373	0	%100
93	MP3C	X	-.37	-.37	0	%100
94	MP3C	Z	-.213	-.213	0	%100
95	MP3B	X	-.37	-.37	0	%100
96	MP3B	Z	-.213	-.213	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	-.337	-.337	0	%100
2	M1	Z	-.583	-.583	0	%100
3	M7	X	-.337	-.337	0	%100
4	M7	Z	-.583	-.583	0	%100
5	M12	X	-.083	-.083	0	%100
6	M12	Z	-.144	-.144	0	%100
7	M13	X	-.064	-.064	0	%100
8	M13	Z	-.111	-.111	0	%100
9	M26	X	-.16	-.16	0	%100
10	M26	Z	-.277	-.277	0	%100
11	MP1A	X	-.213	-.213	0	%100
12	MP1A	Z	-.37	-.37	0	%100
13	M58A	X	-.332	-.332	0	%100
14	M58A	Z	-.575	-.575	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,%]
15	M59A	X	-.257	-.257	0	%100
16	M59A	Z	-.445	-.445	0	%100
17	M64B	X	-.083	-.083	0	%100
18	M64B	Z	-.144	-.144	0	%100
19	M65B	X	-.064	-.064	0	%100
20	M65B	Z	-.111	-.111	0	%100
21	M65C	X	0	0	0	%100
22	M65C	Z	0	0	0	%100
23	M66A	X	-.337	-.337	0	%100
24	M66A	Z	-.583	-.583	0	%100
25	M65D	X	0	0	0	%100
26	M65D	Z	0	0	0	%100
27	M66B	X	-.337	-.337	0	%100
28	M66B	Z	-.583	-.583	0	%100
29	MP2A	X	-.213	-.213	0	%100
30	MP2A	Z	-.37	-.37	0	%100
31	MP3A	X	-.213	-.213	0	%100
32	MP3A	Z	-.37	-.37	0	%100
33	MP4A	X	-.213	-.213	0	%100
34	MP4A	Z	-.37	-.37	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	MP1C	X	-.213	-.213	0	%100
38	MP1C	Z	-.37	-.37	0	%100
39	MP2C	X	-.213	-.213	0	%100
40	MP2C	Z	-.37	-.37	0	%100
41	MP4C	X	-.213	-.213	0	%100
42	MP4C	Z	-.37	-.37	0	%100
43	M46	X	-.16	-.16	0	%100
44	M46	Z	-.277	-.277	0	%100
45	MP1B	X	-.213	-.213	0	%100
46	MP1B	Z	-.37	-.37	0	%100
47	MP2B	X	-.213	-.213	0	%100
48	MP2B	Z	-.37	-.37	0	%100
49	MP4B	X	-.213	-.213	0	%100
50	MP4B	Z	-.37	-.37	0	%100
51	M58	X	-.374	-.374	0	%100
52	M58	Z	-.648	-.648	0	%100
53	M59	X	-.094	-.094	0	%100
54	M59	Z	-.162	-.162	0	%100
55	M60	X	-.094	-.094	0	%100
56	M60	Z	-.162	-.162	0	%100
57	M67	X	-.024	-.024	0	%100
58	M67	Z	-.042	-.042	0	%100
59	M68	X	-.117	-.117	0	%100
60	M68	Z	-.203	-.203	0	%100
61	M69	X	-.247	-.247	0	%100
62	M69	Z	-.428	-.428	0	%100
63	M70	X	-.064	-.064	0	%100
64	M70	Z	-.11	-.11	0	%100
65	M71A	X	-.269	-.269	0	%100
66	M71A	Z	-.465	-.465	0	%100
67	M73	X	-.336	-.336	0	%100
68	M73	Z	-.581	-.581	0	%100
69	M74	X	-.195	-.195	0	%100
70	M74	Z	-.338	-.338	0	%100
71	M75	X	-.255	-.255	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,%]
72	M75	Z	-.441	-.441	0	%100
73	M76	X	-.269	-.269	0	%100
74	M76	Z	-.465	-.465	0	%100
75	M78	X	-.024	-.024	0	%100
76	M78	Z	-.042	-.042	0	%100
77	M79	X	-.021	-.021	0	%100
78	M79	Z	-.036	-.036	0	%100
79	M80	X	-.064	-.064	0	%100
80	M80	Z	-.11	-.11	0	%100
81	M81	X	-.269	-.269	0	%100
82	M81	Z	-.465	-.465	0	%100
83	M83	X	-.179	-.179	0	%100
84	M83	Z	-.31	-.31	0	%100
85	M84	X	-.344	-.344	0	%100
86	M84	Z	-.596	-.596	0	%100
87	M85	X	-.374	-.374	0	%100
88	M85	Z	-.648	-.648	0	%100
89	M86	X	-.369	-.369	0	%100
90	M86	Z	-.64	-.64	0	%100
91	M87	X	-.369	-.369	0	%100
92	M87	Z	-.64	-.64	0	%100
93	MP3C	X	-.213	-.213	0	%100
94	MP3C	Z	-.37	-.37	0	%100
95	MP3B	X	-.213	-.213	0	%100
96	MP3B	Z	-.37	-.37	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58	Y	1.22	-70.62	0	.675
2	M58	Y	-70.62	-63.898	.675	1.35
3	M58	Y	-63.898	-14.97	1.35	2.025
4	M58	Y	-14.97	-56.806	2.025	2.7
5	M58	Y	-56.806	-133.551	2.7	3.375
6	M59	Y	1.22	-70.62	0	.675
7	M59	Y	-70.62	-63.898	.675	1.35
8	M59	Y	-63.898	-14.97	1.35	2.025
9	M59	Y	-14.97	-56.806	2.025	2.7
10	M59	Y	-56.806	-133.551	2.7	3.375
11	M60	Y	1.22	-70.62	0	.675
12	M60	Y	-70.62	-63.898	.675	1.35
13	M60	Y	-63.898	-14.97	1.35	2.025
14	M60	Y	-14.97	-56.806	2.025	2.7
15	M60	Y	-56.806	-133.551	2.7	3.375

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58	Y	1.356	-78.466	0	.675
2	M58	Y	-78.466	-70.997	.675	1.35
3	M58	Y	-70.997	-16.634	1.35	2.025
4	M58	Y	-16.634	-63.117	2.025	2.7
5	M58	Y	-63.117	-148.39	2.7	3.375
6	M59	Y	1.356	-78.466	0	.675
7	M59	Y	-78.466	-70.997	.675	1.35
8	M59	Y	-70.997	-16.634	1.35	2.025
9	M59	Y	-16.634	-63.117	2.025	2.7
10	M59	Y	-63.117	-148.39	2.7	3.375

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M60	Y	1.356	-78.466	0	.675
12	M60	Y	-78.466	-70.997	.675	1.35
13	M60	Y	-70.997	-16.634	1.35	2.025
14	M60	Y	-16.634	-63.117	2.025	2.7
15	M60	Y	-63.117	-148.39	2.7	3.375

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N127A	N128A	N126	N125	Y	A-B	-.009
2	N129	N127B	N126	N128A	Y	B-C	-.009
3	N129	N127B	N125	N127A	Y	B-C	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N127A	N128A	N126	N125	Y	A-B	-.01
2	N129	N127B	N126	N128A	Y	B-C	-.01
3	N129	N127B	N125	N127A	Y	B-C	-.01

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	N16	max	1148.068	9	709.345	26	472.973	1	-.739	12	.985	9	.126	3
2		min	-1144.192	3	152.726	50	-178.1	7	-2.428	30	-.965	3	-.365	33
3	N112B	max	792.337	11	357.489	22	905.397	1	.788	23	.969	5	1.478	17
4		min	-545.047	5	150.33	50	-1006	7	.207	5	-.98	11	.653	11
5	N122	max	495.91	10	316.687	18	1034.335	1	.845	13	1.028	1	-.538	1
6		min	-732.993	4	104.095	48	-1143.999	7	.267	7	-.989	7	-1.319	19
7	N130A	max	479.441	9	137.513	19	641.261	1	.78	1	.6	9	.596	3
8		min	-465.555	3	65.634	1	-734.297	7	-1.001	7	-.582	3	-.614	9
9	N139	max	678.879	10	136.574	15	569.644	2	.76	2	.578	5	.928	4
10		min	-685.401	4	65.405	9	-533.878	8	-.664	8	-.613	11	-.833	10
11	N148	max	600.681	10	136.134	23	643.233	12	.855	12	.621	1	.738	4
12		min	-605.644	4	65.462	5	-641.941	6	-.803	6	-.616	7	-.819	10
13	N148A	max	34.536	10	2071.301	14	-809.478	9	0	51	0	4	0	10
14		min	-34.509	4	913.746	8	-1764.913	15	0	1	0	10	0	4
15	N151A	max	-695.643	2	2038.002	22	875.468	24	0	6	0	48	0	48
16		min	-1502.928	20	904.943	4	373.024	5	0	48	0	6	0	6
17	N154	max	1491.266	19	2016.535	18	862.117	15	0	8	0	8	0	8
18		min	667.702	1	892.463	12	382.96	9	0	2	0	2	0	2
19	Totals:	max	3946.711	10	7489.064	14	4144.967	1						
20		min	-3946.709	4	3626.464	8	-4144.966	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M1	L3X3X4	.494	0	44	.113	0	z	48	3863.5...	46656	1.688	3.046	...	H2-1
2	M7	L3X3X4	.270	0	21	.019	0	y	24	13208....	46656	1.688	3.439	...	H2-1
3	M12	HSS4.5X4.5X3	.112	1.875	34	.062	1....	y	27	119967...	1213..	16.25	16.25	...	H1-...
4	M13	HSS4X4X4	.157	1.083	33	.046	1....	z	9	138834...	1395..	16.181	16.181	...	H1-...
5	M26	PIPE_2.0	.368	11.241	7	.044	1....		1	4625.2...	32130	1.872	1.872	...	H1-...
6	MP1A	PIPE_2.0	.107	4.375	50	.018	1		15	20866....	32130	1.872	1.872	...	H1-...
7	M58A	HSS4.5X4.5X3	.089	1.875	24	.029	1....	y	23	119967...	1213..	16.25	16.25	...	H1-...
8	M59A	HSS4X4X4	.119	1.083	23	.046	1....	z	5	138834...	1395..	16.181	16.181	...	H1-...
9	M64B	HSS4.5X4.5X3	.084	1.875	14	.027	1....	y	19	119967...	1213..	16.25	16.25	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
10	M65B	HSS4X4X4	.112	1.083	13	.047	1....	z	1	138834...	1395..	16.181	16.181	...	H1-...
11	M65C	L3X3X4	.278	7.651	14	.019	7....	y	14	13208....	46656	1.688	3.448	...	H2-1
12	M66A	L3X3X4	.278	0	13	.019	0	y	16	13208....	46656	1.688	3.443	...	H2-1
13	M65D	L3X3X4	.484	14.146	15	.073	14...	y	20	3863.5...	46656	1.688	3.014	...	H2-1
14	M66B	L3X3X4	.481	14.146	24	.073	14...	y	16	3863.5...	46656	1.688	3.018	...	H2-1
15	MP2A	PIPE_2.0	.105	4.375	24	.027	4....		8	20866....	32130	1.872	1.872	...	H1-...
16	MP3A	PIPE_2.0	.162	4.375	39	.049	4....		8	20866....	32130	1.872	1.872	...	H1-...
17	MP4A	PIPE_2.0	.205	4.375	15	.086	.938		11	20866....	32130	1.872	1.872	...	H1-...
18	M33	PIPE_2.0	.333	11.241	3	.048	1....		9	4625.2...	32130	1.872	1.872	...	H1-...
19	MP1C	PIPE_2.0	.099	4.375	20	.022	1		23	20866....	32130	1.872	1.872	...	H1-...
20	MP2C	PIPE_2.0	.104	4.375	20	.031	1		9	20866....	32130	1.872	1.872	...	H1-...
21	MP4C	PIPE_2.0	.113	4.375	50	.086	.938		7	20866....	32130	1.872	1.872	...	H1-...
22	M46	PIPE_2.0	.327	11.241	11	.048	1....		5	4625.2...	32130	1.872	1.872	...	H1-...
23	MP1B	PIPE_2.0	.168	4.375	40	.027	1		19	20866....	32130	1.872	1.872	...	H1-...
24	MP2B	PIPE_2.0	.102	4.375	40	.033	4....		5	20866....	32130	1.872	1.872	...	H1-...
25	MP4B	PIPE_2.0	.154	4.375	19	.086	.938		3	20866....	32130	1.872	1.872	...	H1-...
26	M58	LL3x3x4x0	.360	2.578	23	.049	2....	y	44	76533....	93312	6.48	4.368	...	H1-...
27	M59	LL3x3x4x0	.353	2.578	16	.046	2....	y	16	76533....	93312	6.48	4.368	...	H1-...
28	M60	LL3x3x4x0	.369	2.578	24	.045	2....	y	24	76533....	93312	6.48	4.368	...	H1-...
29	M67	L2.5x2.5x4	.203	0	6	.025	1....	z	43	36223....	38556	1.114	2.537	...	H2-1
30	M68	L2.5x2.5x4	.200	0	8	.021	1....	z	8	36223....	38556	1.114	2.537	...	H2-1
31	M69	L2.5x2.5x4	.194	0	4	.020	1....	z	5	36223....	38556	1.114	2.537	...	H2-1
32	M70	HSS4X4X4	.087	.583	8	.057	.583	z	9	139319...	1395..	16.181	16.181	...	H1-...
33	M71A	PIPE_3.0	.165	3.75	8	.091	3.75		9	58443....	67068	5.913	5.913	...	H1-...
34	M73	L2.5x2.5x3	.109	2.354	1	.004	4....	z	20	14162....	2919..	.873	1.644	...	H2-1
35	M74	L2.5x2.5x3	.130	2.595	1	.005	0	z	7	12124....	2919..	.873	1.6	...	H2-1
36	M75	HSS4X4X4	.081	.583	4	.059	.583	z	11	139319...	1395..	16.181	16.181	...	H1-...
37	M76	PIPE_3.0	.153	3.75	4	.091	3.75		11	58443....	67068	5.913	5.913	...	H1-...
38	M78	L2.5x2.5x3	.111	2.354	9	.006	0	z	16	14162....	2919..	.873	1.644	...	H2-1
39	M79	L2.5x2.5x3	.131	2.595	9	.005	5....	z	3	12124....	2919..	.873	1.6	...	H2-1
40	M80	HSS4X4X4	.084	.583	12	.059	.583	z	1	139319...	1395..	16.181	16.181	...	H1-...
41	M81	PIPE_3.0	.158	3.75	12	.092	3.75		1	58443....	67068	5.913	5.913	...	H1-...
42	M83	L2.5x2.5x3	.112	2.354	5	.006	4....	z	24	14162....	2919..	.873	1.644	...	H2-1
43	M84	L2.5x2.5x3	.133	2.595	5	.005	0	y	23	12124....	2919..	.873	1.6	...	H2-1
44	M85	LL2.5x2.5x3x3	.073	6.009	22	.002	0	y	9	36798....	58320	3.954	2.529	...	H1-...
45	M86	LL2.5x2.5x3x3	.072	6.009	18	.002	0	y	5	36798....	58320	3.954	2.529	...	H1-...
46	M87	LL2.5x2.5x3x3	.074	6.009	14	.002	0	y	1	36798....	58320	3.954	2.529	...	H1-...
47	MP3C	PIPE_2.0	.162	4.375	23	.048	4....		4	20866....	32130	1.872	1.872	...	H1-...
48	MP3B	PIPE_2.0	.151	4.375	19	.049	4....		12	20866....	32130	1.872	1.872	...	H1-...

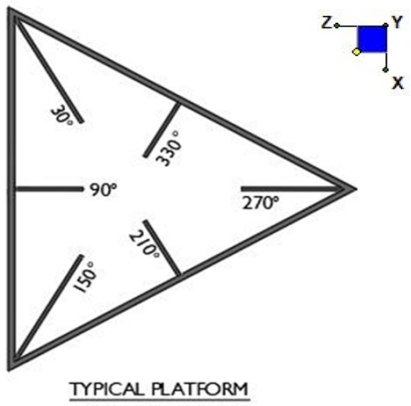
Client:	Verizon Wireless	Date:	10/15/2021
Site Name:	FAIRFIELD 2 CT		
Project No.	21777726A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

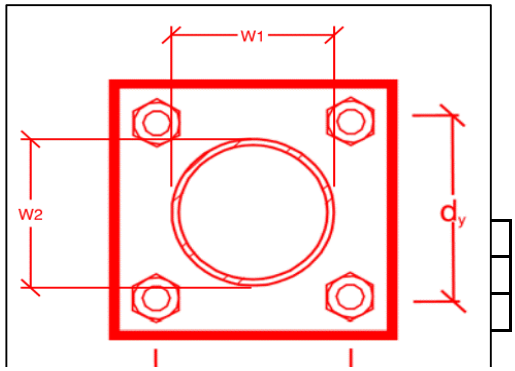
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N16	90
N122	330
N112B	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	1.39
Weld Capacity:	**33.2%**



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 relocate position 3 mount pipe on all sectors to the existing adjacent pipe support connection plate location approximately 24" from center of mount. Connect pipe to existing plate using two (2) new 1/2" Dia. U-bolts utilizing existing mounting plate holes. Connect pipe to existing support rail with new VZWSMART-MSK1 crossover plates. Contractor shall relocate existing radio from position 3 to the adjacent sector position 2. Radio shall still service the adjacent sector LTE antennas. Refer to placement diagrams. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-123/317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provide photos of safety climb 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

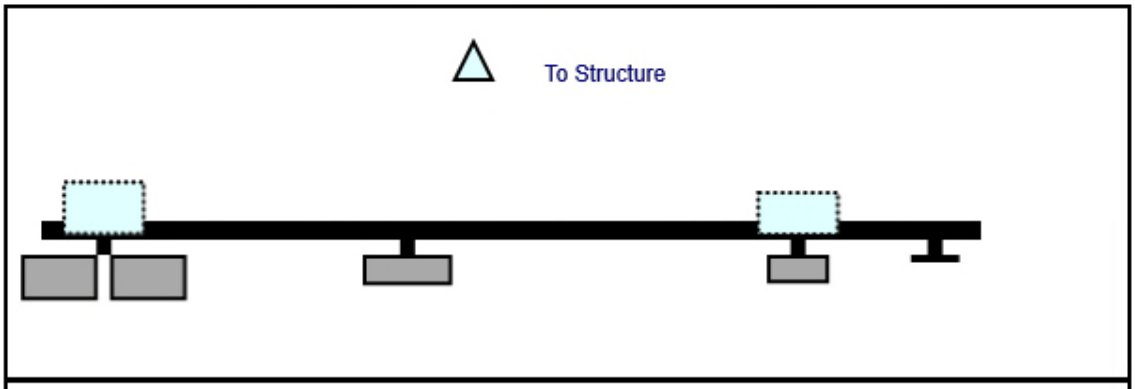
Structure: 467147-VZW - FAIRFIELD 2 CT

Sector: **A** 10/15/2021

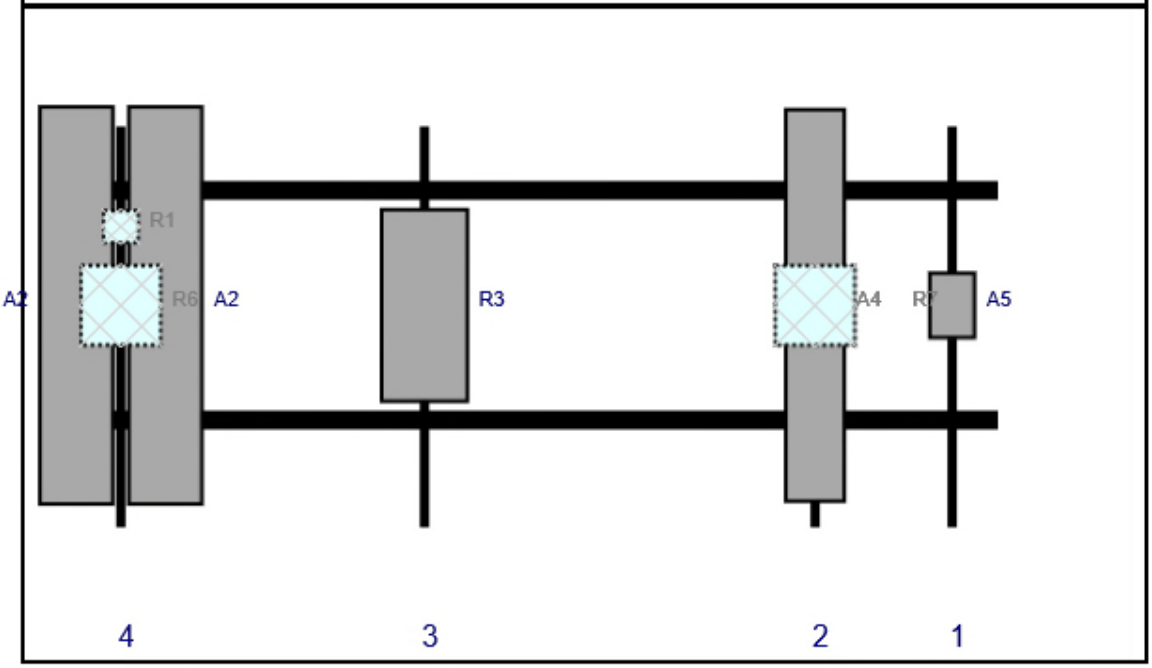
Structure Type: Monopole 10109181

Mount Elev: 78.28 Page: 1

Plan View



Front View
Looking at Structure



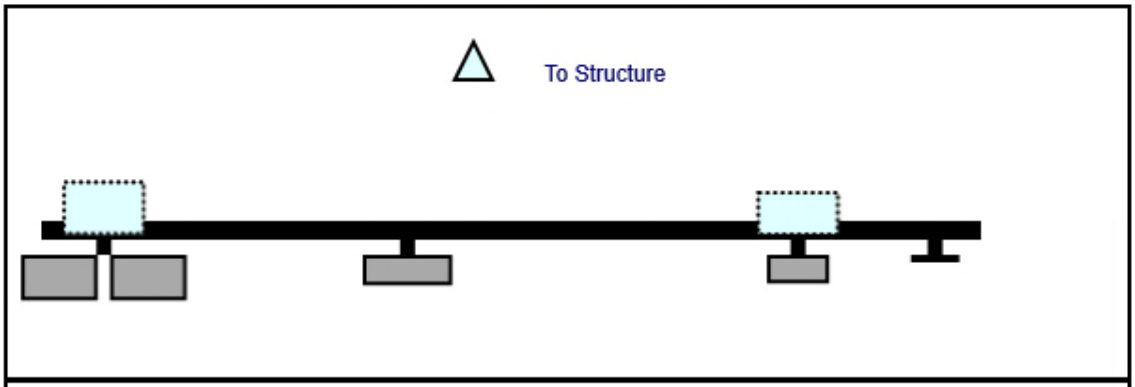
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
A4	BXA-70063-6CF	71	11.2	136.101	2	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
R3	MT6407-77A	35.1	16.1	65.8514	3	a	Front	32.16	0	Added	
A2	JAHH-65B-R3B	72	13.8	11.24	4	a	Front	32.16	8	Retained	04/18/2021
A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

Sector: **B** 10/15/2021

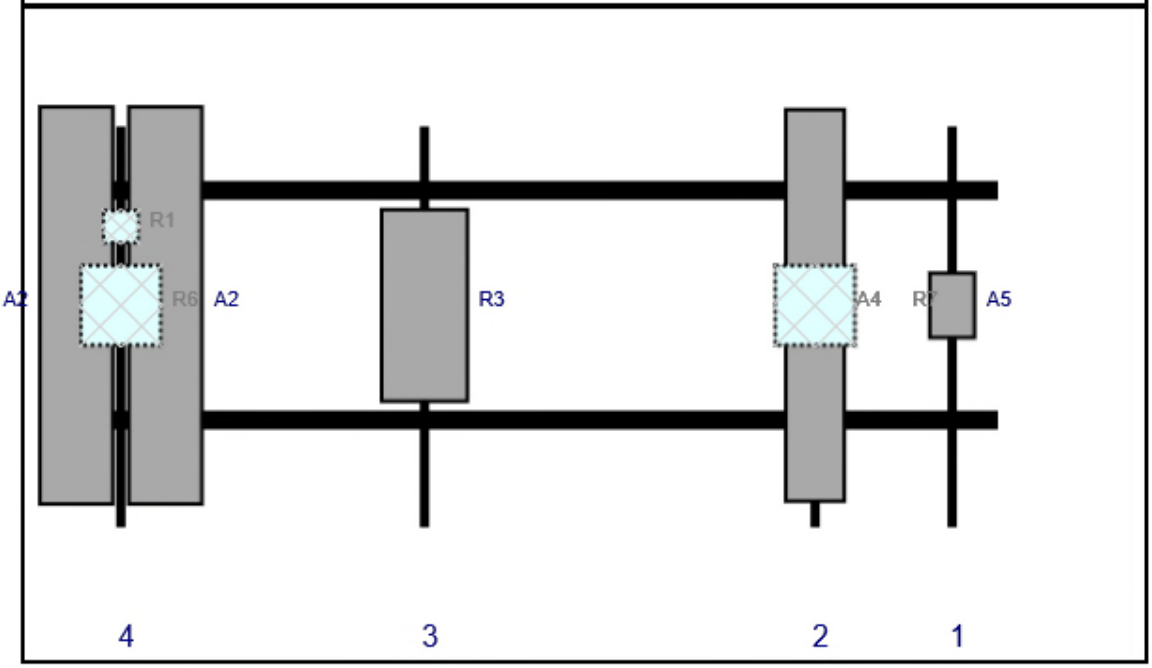
Structure Type: Monopole 10109181

Mount Elev: 78.28 Page: 2

Plan View



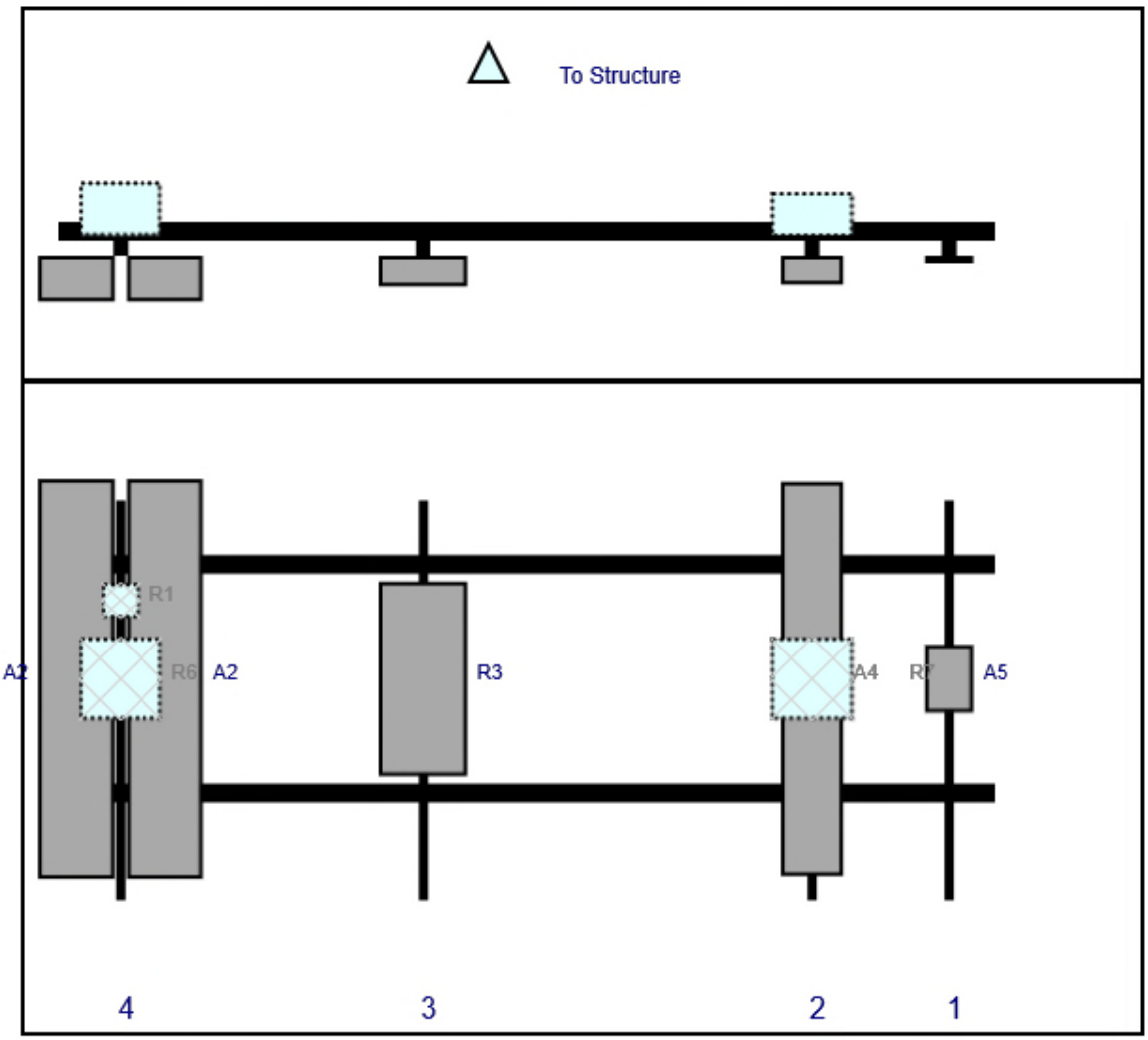
Front View
Looking at Structure



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
A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
A4	BXA-70063-6CF	71	11.2	136.101	2	a	Front	32.16	0	Retained	04/18/2021
R7	B5/B13 RRH-BR04C	15	15	136.101	2	a	Behind	32.16	0	Retained	04/18/2021
R3	MT6407-77A	35.1	16.1	65.8514	3	a	Front	32.16	0	Added	
A2	JAHH-65B-R3B	72	13.8	11.24	4	a	Front	32.16	8	Retained	04/18/2021
A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

Plan View

Front View
Looking at Structure



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A5	XXDWMM-12.5-65-8T	12.3	8.7	160.751	1	a	Front	32.16	0	Retained	04/18/2021
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A2	JAHH-65B-R3B	72	13.8	11.24	4	b	Front	32.16	-8	Retained	04/18/2021
R1	CBC78T-DS-43-2X	6.4	6.9	11.24	4	a	Behind	18	0	Retained	
R6	B2/B66A RRH-BR049	15	15	11.24	4	a	Behind	32.16	0	Retained	04/18/2021

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	467147-VZW / FAIRFIELD 2 CT
	Site Name:	FAIRFIELD 2 CT
	Carrier Name:	Verizon Wireless
	Address:	3965 Congress St. Fairfield, Connecticut 06824 Fairfield County
	Latitude:	41.188375°
	Longitude:	-73.297616°
Structure Information	Tower Type:	152.00-Ft Monopole
	Mount Type:	14.08-Ft Platform

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.

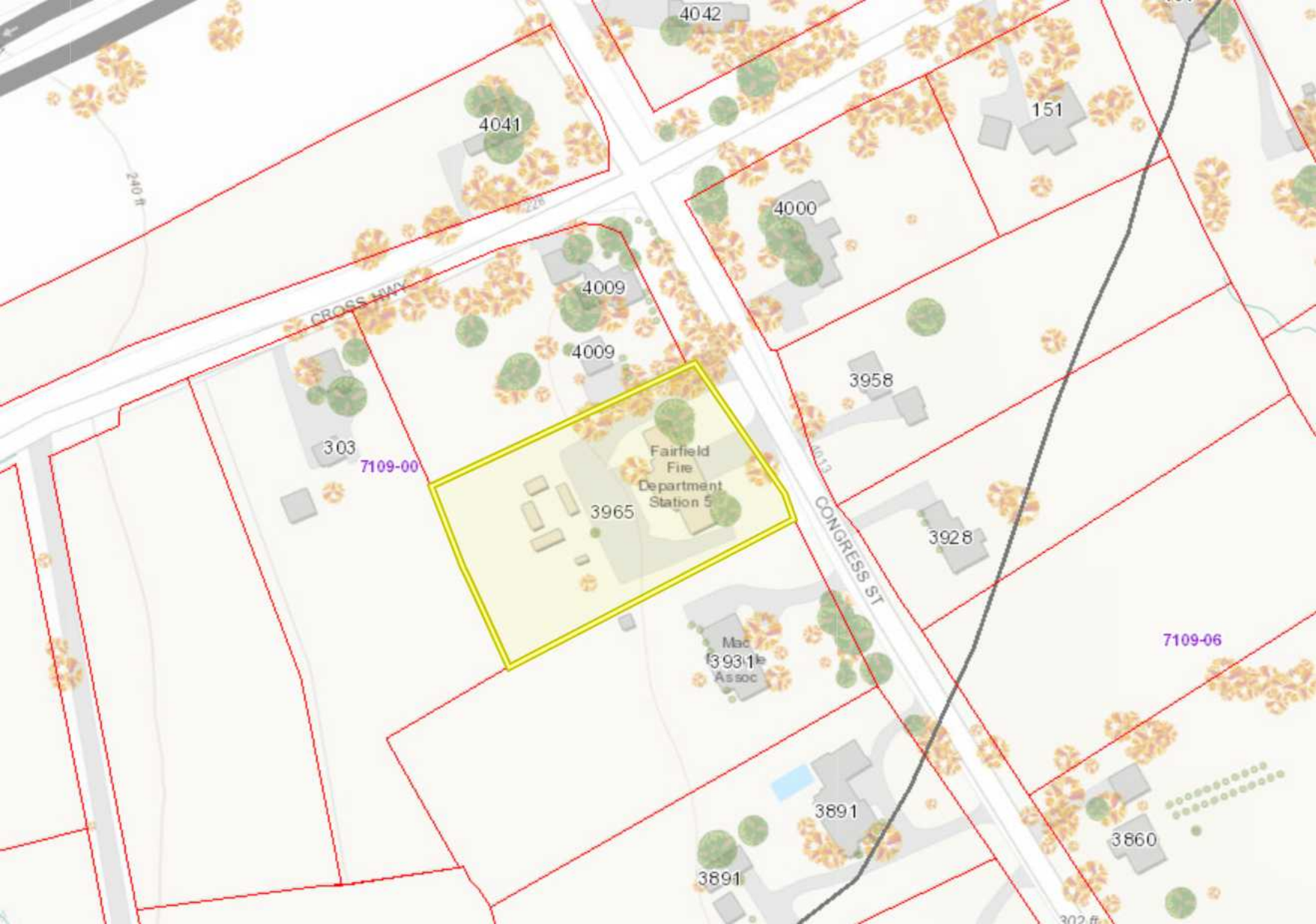
As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates 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,

Eric Anderson, PE
Technical Specialist

ATTACHMENT 5


4042
4041
151
4000
4009
4009
CROSS HWY
240 ft
3958
303
7109-00
Fairfield
Fire
Department
Station 5
3965
CONGRESS ST
3928
Mac
3931
Assoc
7109-06
3891
3860
3891

FAIRFIELD,CT

VISION GOVERNMENT SOLUTIONS

3965 CONGRESS STREET

Sales | Print | Field Card | Map It

Location	3965 CONGRESS STREET	**Mblu**	170/ 41/ / /
Acct#	05308	**Owner**	FAIRFIELD TOWN OF
Assessment	$1,197,980	**Appraisal**	$1,711,400
PID	14189	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$544,300	$1,167,100	$1,711,400

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$381,010	$816,970	$1,197,980

Owner of Record

Owner	FAIRFIELD TOWN OF	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	725 OLD POST ROAD FAIRFIELD, CT 06824	**Book & Page**	0395/0523
		Sale Date	01/01/1800

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

FAIRFIELD 2

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	2	2	neopost 02/03/2022 US POSTAGE $002.99⁰ 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.	Brenda Kupchick, First Selectman Town of Fairfield ~~Sullivan Independence Hall~~ 725 Old Post Road Fairfield, CT 06824				
2.	James Wendt, Planning Director Town of Fairfield ~~Sullivan Independence Hall~~ 725 Old Post Road Fairfield, CT 06824				
3.					
4.					
5.					
6.					

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

See Reverse for Instructions