Robinson+Cole

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Also admitted in Massachusetts
and New York

September 16, 2021

Via Electronic Mail

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
10 Ashpohtag Road, Norfolk, 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 related equipment on the ground, near the base of the tower. The tower was approved by the Siting Council ("Council") in July 2004 (Docket No. 287). Cellco's use of the tower was approved in July 2007 (EM-VER-098-070618). A copy of the Council's Docket No. 287 Decision and Order and EM-VER-098-070618 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) Samsung MT6407-77A antennas and six (6) NHH-65C-R2B antennas on its existing mounting platform. Cellco also intends to replace six (6) existing remote radio heads ("RRHs") with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications 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 Norfolk's Chief Elected Official and Land Use Officer.

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

1. The proposed modifications will not result in an increase in the height of the existing tower.

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, 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 and the property owner is included in Attachment 6.

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:

Matthew T. Riiska, First Selectman for the Town of Norfolk
Michael Halloran, Norfolk Zoning Enforcement Officer
Kevin C. Gundlach, Property Owner
Karla Hanna

ATTACHMENT 1

DOCKET NO. 287 – Sprint Spectrum, L.P. d/b/a Sprint PCS application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 10 Ashpohtag Road, Norfolk, Connecticut.	} } }	Connecticut Siting Council July 13, 2004

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes **§** 16-50k, be issued to Sprint Spectrum, L.P. d/b/a Sprint PCS for the construction, maintenance and operation of a wireless telecommunications facility at 10 Ashpohtag Road, Norfolk, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be designed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Sprint Spectrum, L.P. d/b/a Sprint PCS and other entities, both public and private, but such tower shall not exceed a total height of 150 feet above ground level, including antennas.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Norfolk and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

a. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and

b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base,
consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. An RF power density emissions report shall be provided to the Council and the Town of Norfolk after the facility is operational and annually thereafter.
6. The tower shall be designed with a pre-engineered fault to ensure that the entire setback radius lies within the boundaries of the Cammilletti property.
7. Initial site construction shall not take place during the February through July nesting season of the Cooper's Hawk.
8. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
9. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
10. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
11. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
12. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extensions of the period shall be filed with the Council not later than sixty days prior to expiration date of the Certificate and shall be served on the Town of Norfolk and all parties and intervenors as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

Pursuant to General Statutes **§** 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in Norfolk Now, the Register Citizen, and the Waterbury Republican-American.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Sprint Spectrum L.P. d/b/a Sprint PCS	Thomas J. Regan, Esq. Brown Rudnick Berlack Israels, LLP City Place I, 38th Floor 185 Asylum Street Hartford, CT 06103-3402 (860) 509-6522

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

Daniel F. Caruso
Chairman

July 11, 2007

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

RE: **EM-VER-098-070618** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 10 Ashpohtag Road, Norfolk, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 3, 2007, 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.

The proposed modifications are to be implemented as specified here and in your notice dated June 18, 2007, including the placement of all necessary equipment and shelters within the tower compound. 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. Please be advised that the validity of this action shall expire one year from the date of this letter. 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,

Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable Susan M. Dyer, First Selectman, Town of Norfolk
Carl Gundlach, Planning & Zoning Official, Town of Norfolk
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC

ATTACHMENT 2

verizon

NORFOLK_WEST_CT

10 ASHPOHTAG ROAD
NORFOLK, CT 06058
SBA SITE I.D.#: CT46144

LOCATION CODE (PSLC): 467610
FUZE ID: 16275314
EQUIPMENT UPGRADE PROJECT
RFDS DATE: 06/24/21

PROJECT SUMMARY

SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION
SITE NAME:	NORFOLK_WEST_CT
LOCATION CODE (PSLC):	467610
FUZE PROJECT ID:	16275314
SITE ADDRESS:	10 ASHPOHTAG ROAD NORFOLK, CT 06058
LATITUDE:	42.002697 N (RFDS)
LONGITUDE:	-73.221417 W (RFDS)
FACILITY:	SBA MONOPOLE SITE I.D.#: CT46144
APPLICANT, LESSEE/LICENSEE, PROJECT OWNER:	CELLCO PARTNERSHIP dba VERIZON WIRELESS 118 FLANDERS ROAD THIRD FLOOR WESTBOROUGH, MA 01581
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
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A-2	EXISTING AND PROPOSED ANTENNA PLAN	1
D-1	DETAIL	1
X-1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)	1

LOCATION MAP

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:

PENDING: A GLOBAL TOWER STRUCTURAL ANALYSIS SHALL BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION TO CONFIRM CAPACITY.

LOCAL ANTENNA MOUNT ANALYSIS REPORT:

MOUNT MODIFICATIONS REQUIRED – PER PASSING REPORT & MODIFICATION DRAWINGS
BY MASER CONSULTING DATED 07/06/21 REV. 1 AND 06/29/21 REV. 1 RESPECTIVELY

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS:	https://pmi.vzwsmart.com
SMART TOOL VENDOR PROJECT NUMBER:	10070846
VzW LOCATION CODE (PSLC):	467610

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/06/21 REV. 1.

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

VZW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

Jesse Moreno, PE
Digitally signed by Jesse Moreno, PE
Date: 2021.07.14 09:09:12 -04'00'

verizon
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

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

REVISIONS

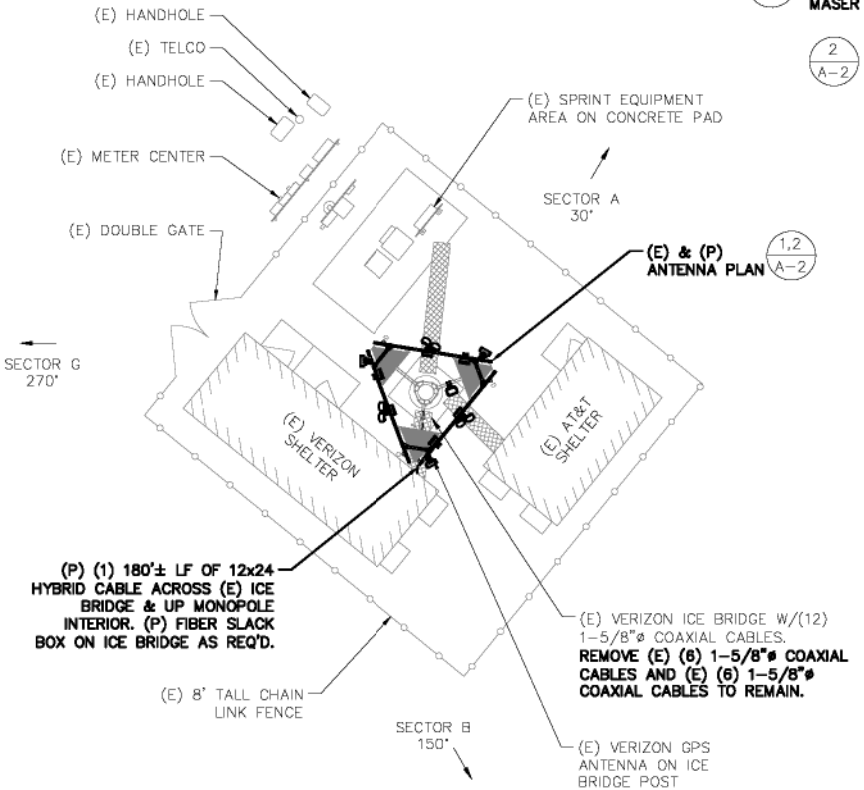
REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	06/11/21	PER RFDS DATED 12/14/20	TBD	JWG	JMM
1	07/14/21	PER RFDS DATED 06/24/21	TBD	JWG	JMM

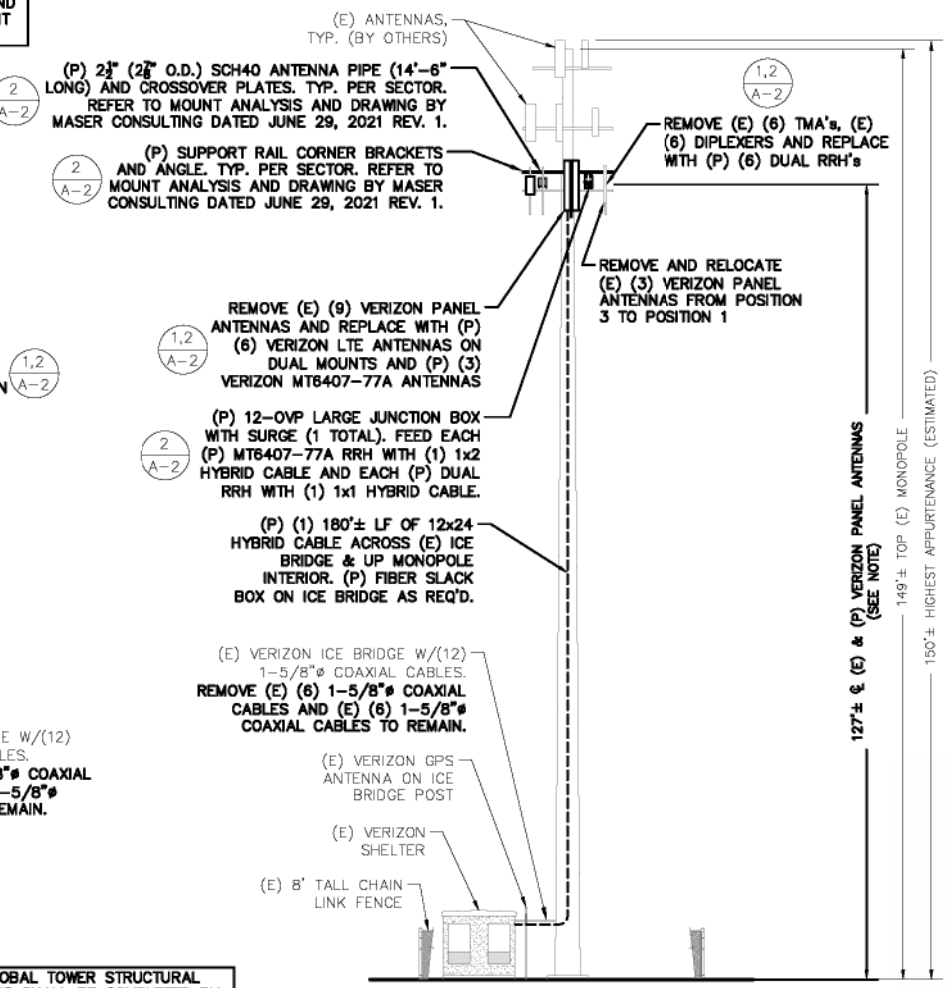
STATE OF CONNECTICUT
JESSE M. MORENO
No. 24389
LICENSED PROFESSIONAL ENGINEER
7-14-2021

NORFOLK_WEST_CT
10 ASHPOHTAG ROAD
NORFOLK, CT 06058
FUZE PROJECT ID: 16275314
SBA SITE I.D.#: CT46144

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.





A GLOBAL TOWER STRUCTURAL ANALYSIS SHALL BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION TO CONFIRM CAPACITY.

N

COMPOUND PLAN

SCALE: 1"=15' (11x17)

1 A-1

15 7.5 0 15

SOUTHEAST ELEVATION

SCALE: 1"=20' (11x17)

2 A-1

20 10 0 20

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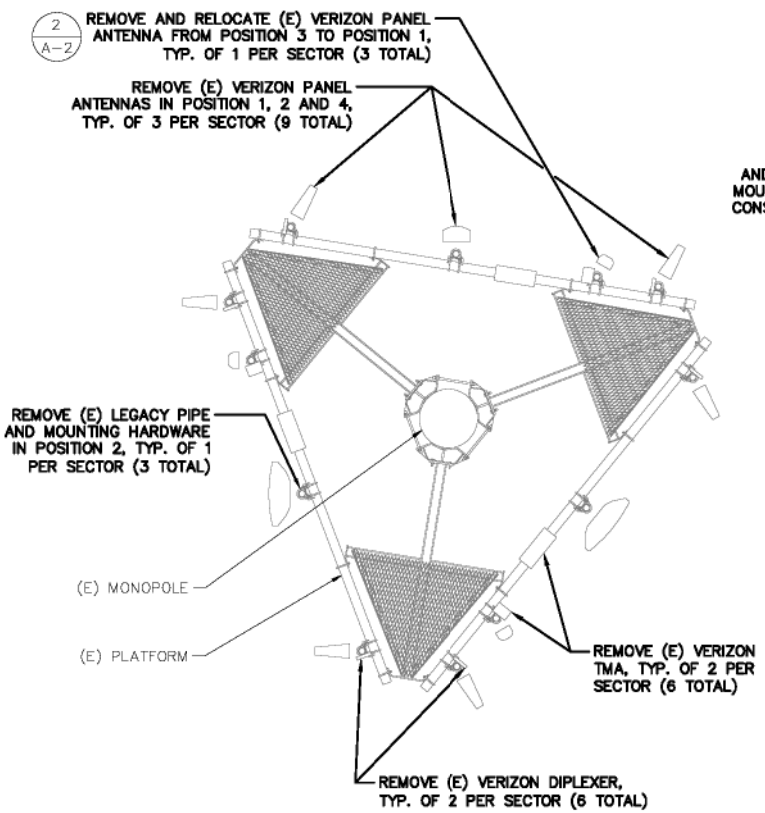
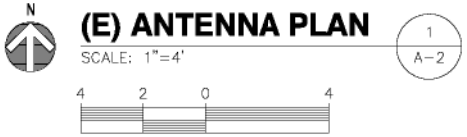
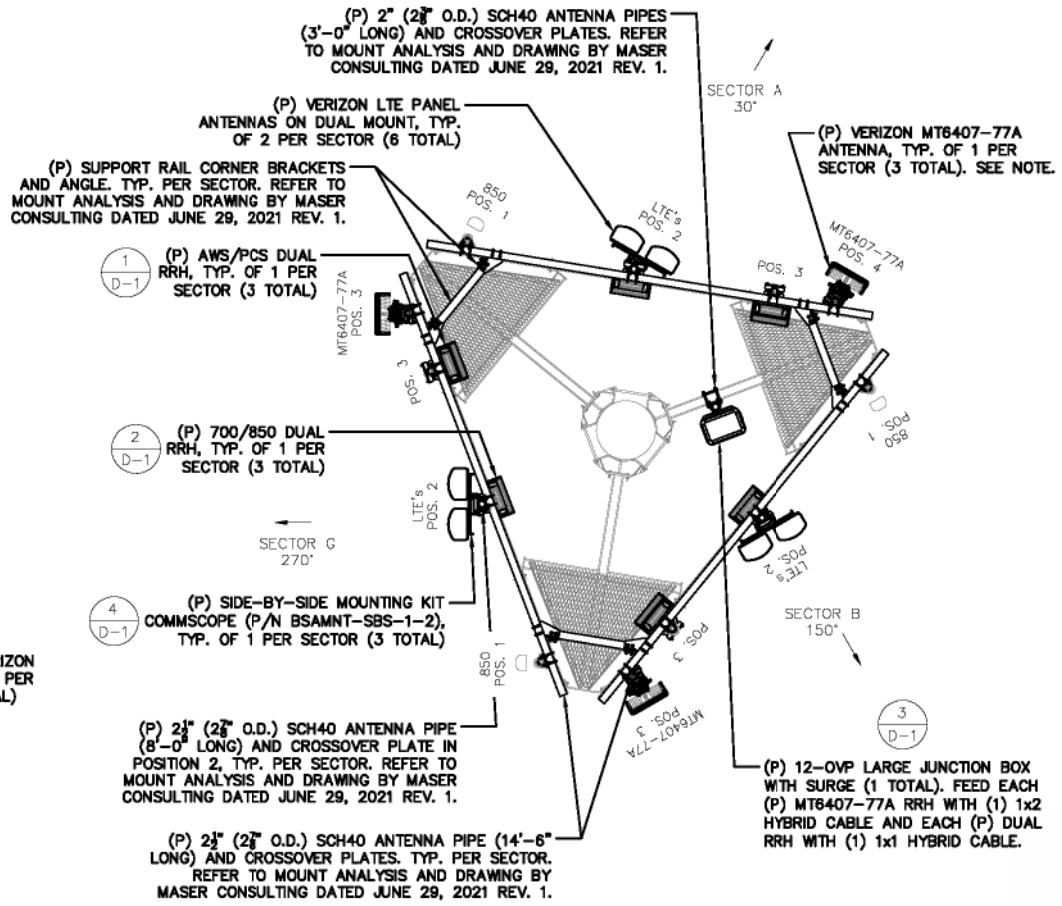
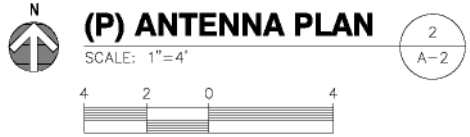
NORFOLK WEST_CT
10 ASHPOHTAG ROAD
NORFOLK, CT 06058
FUZE PROJECT ID: 16875314
SBA SITE I.D.#: CT40144

A-1









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
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Ph.:(413)320-4918

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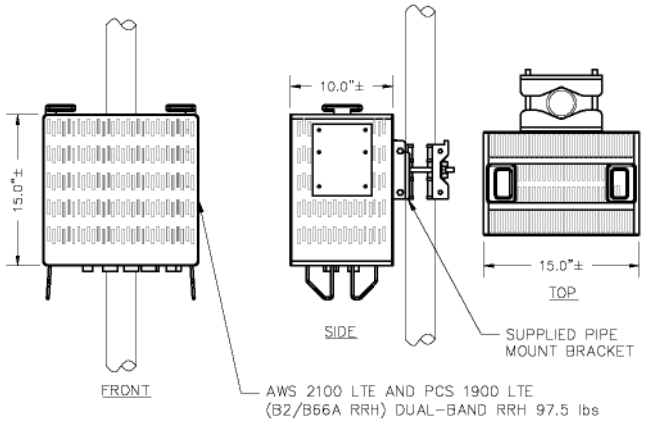
JESSE M. MORENO
No. 24389
REVISED
PROFESSIONAL ENGINEER
7-14-2021

NORFOLK WEST_CT
10 ASHPOHTAG ROAD
NORFOLK, CT 06058
FUZE PROJECT ID: 18878314
SBA SITE I.D.#: CT40144

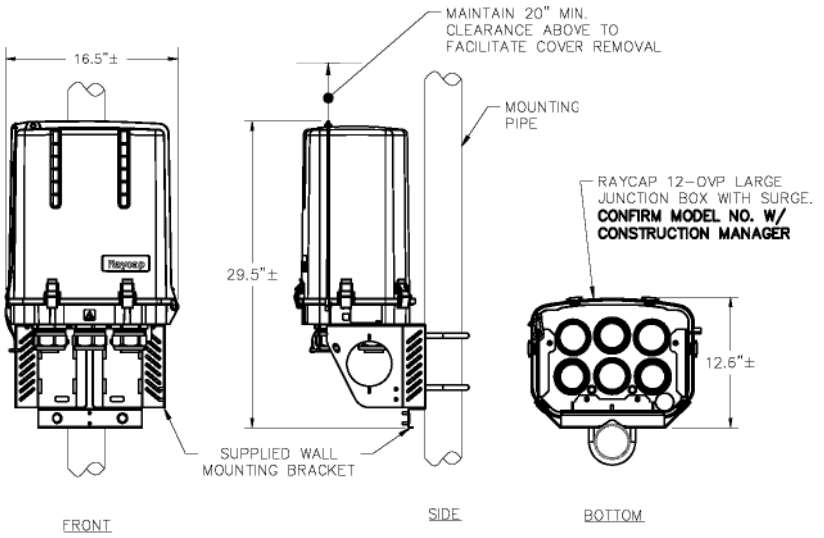
A-2



(P) AWS/PCS RRH MOUNTING DETAIL

SCALE: NONE

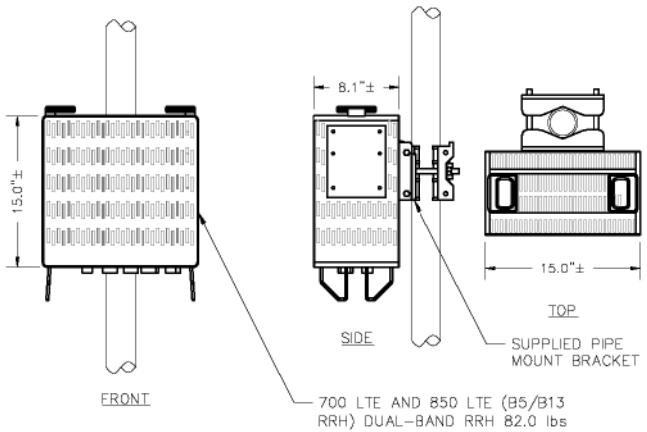
1 / D-1



(P) LARGE JUNCTION BOX MOUNTING DETAIL

SCALE: NONE

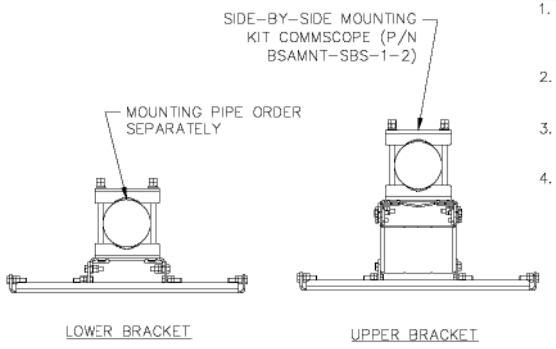
3 / D-1



(P) 700/850 RRH MOUNTING DETAIL

SCALE: NONE

2 / D-1



INSTALLATION NOTES:

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

(P) DUAL ANTENNA MOUNTING DETAIL

SCALE: NONE

4 / D-1

verizon
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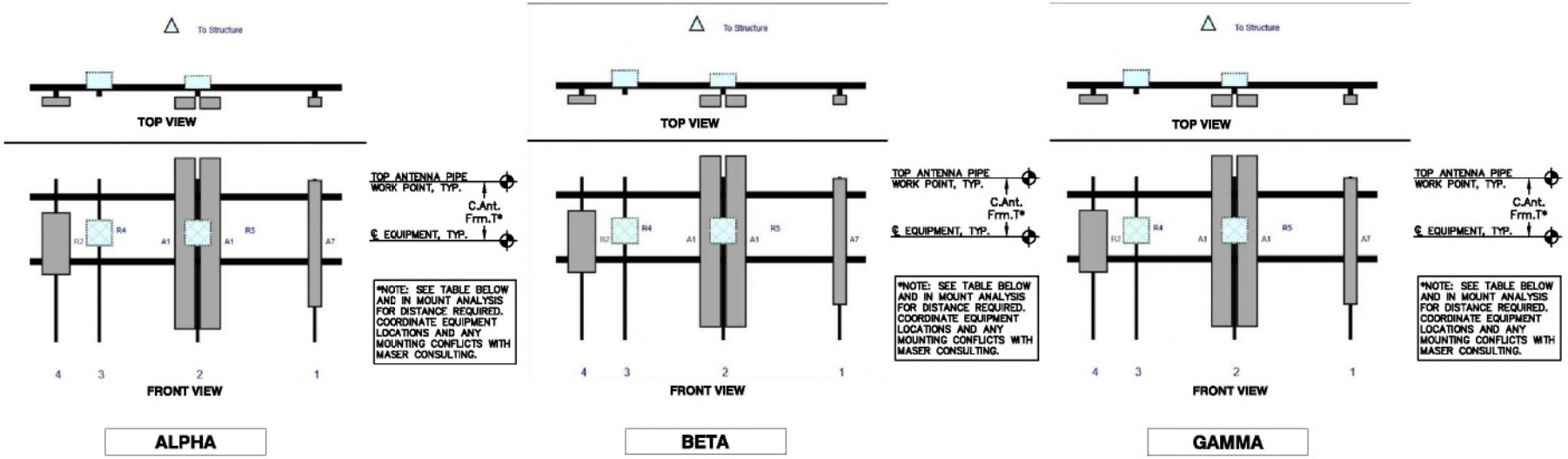
FUZE PROJECT ID: 16875314
SBA SITE I.D.#: CT40144

D-1

ANTENNA LAYOUT SCHEMATIC RENDERINGS SHOWN HEREON PROVIDED BY OTHERS

REFER TO ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/06/21 REV. 1 AND MODIFICATION DRAWINGS DATED 06/29/21 REV. 1 FOR ADDITIONAL DETAIL



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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS:	https://pmi.vzwsmart.com
SMART TOOL VENDOR PROJECT NUMBER:	10070846
VzW LOCATION CODE (PSLC):	467610

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/06/21 REV. 1.

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

VZW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

verizon
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

PREPARED BY:
ProTerra DESIGN GROUP, LLC
4 Bay Road, Bldg A
S. Hadley, MA 01075
Ph: (413)320-4918

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

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	06/11/21	PER RFDS DATED 12/14/20	TBD	JWG	JMM
1	07/14/21	PER RFDS DATED 06/24/21	TBD	JWG	JMM

NORFOLK_WEST_CT
10 ASHPOHTAG ROAD
NORFOLK, CT 06058
FUZE PROJECT ID: 16676314
SBA SITE I.D.#: CT40144

X-1

SAMSUNG

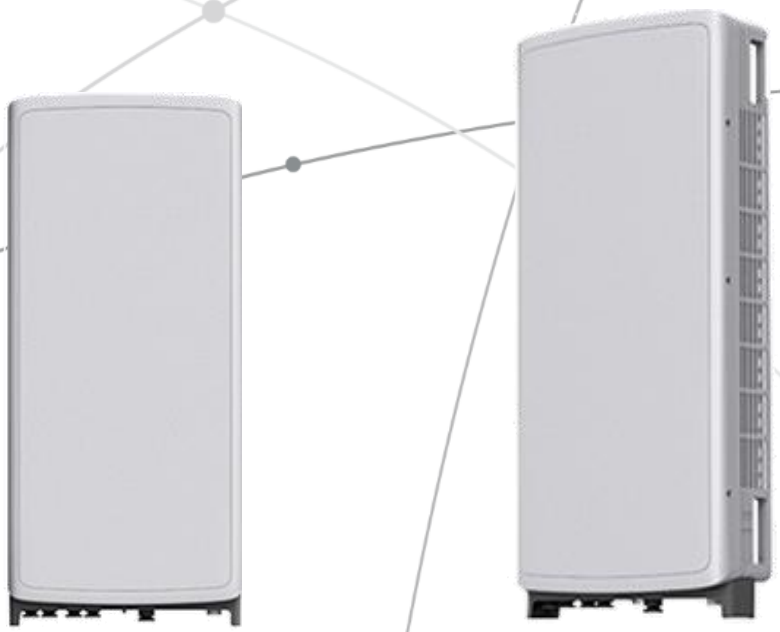
SAMSUNG

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

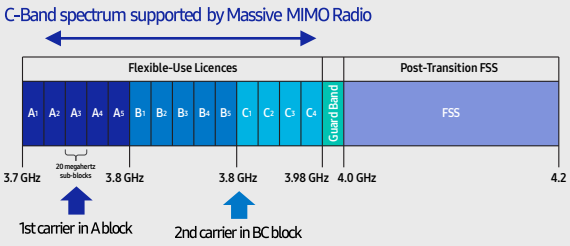


Points of Differentiation

Wide Bandwidth

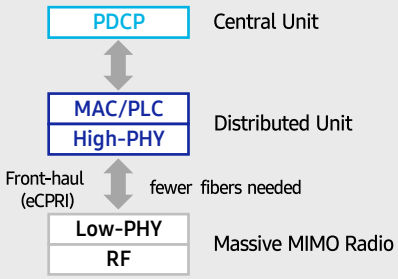
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

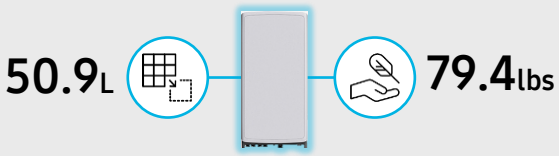
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

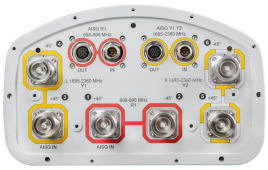
SAMSUNG

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

NHH-65C-R2B



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

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

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.37 m^2 | 3.983 ft^2
Effective Projective Area (EPA), lateral	0.31 m^2 | 3.337 ft^2
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

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

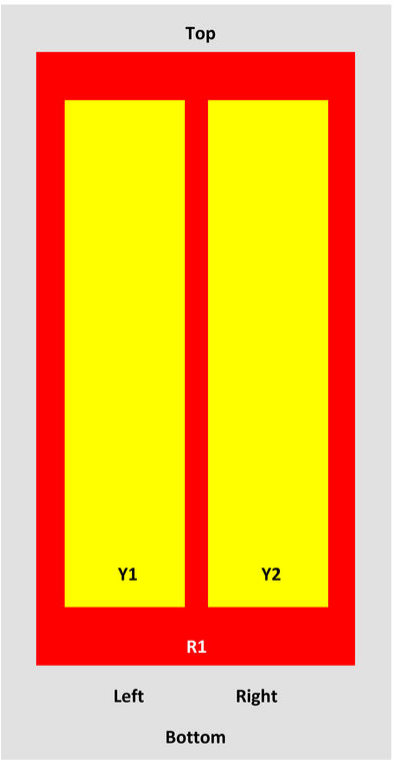
Dimensions

Width	301 mm | 11.85 in
Length	2438 mm | 95.984 in
Depth	180 mm | 7.087 in

Array Layout

NHH-65C-R2B

NHH



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

View from the front of the antenna

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

Electrical Specifications

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

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)

NHH-65C-R2B

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	16	16.1	17.3	17.7	18.3	18.2
Beamwidth, Horizontal, degrees	65	62	74	66	62	59
Beamwidth, Vertical, degrees	9	7.9	5.6	5.2	4.9	4.5
Beam Tilt, degrees	0–11	0–11	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	21	18	19	20	22	18
Front-to-Back Ratio at 180°, dB	35	31	33	29	29	30
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	400	400	350	350	350	300

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	15.8	15.9	16.9	17.5	18	17.9
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4	±0.4	±0.3	±0.6	±0.4
Gain by Beam Tilt, average, dBi	0 ° | 15.9 5 ° | 15.9 11 ° | 15.5	0 ° | 15.8 5 ° | 16.0 11 ° | 15.7	0 ° | 16.9 4 ° | 17.0 7 ° | 16.9	0 ° | 17.4 4 ° | 17.5 7 ° | 17.4	0 ° | 17.9 4 ° | 18.0 7 ° | 18.0	0 ° | 17.8 4 ° | 17.9 7 ° | 17.9
Beamwidth, Horizontal Tolerance, degrees	±1.2	±1.6	±5.3	±3.4	±6	±3.1
Beamwidth, Vertical Tolerance, degrees	±0.6	±0.4	±0.3	±0.2	±0.2	±0.2
USLS, beampeak to 20° above beampeak, dB	15	14	17	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	25.6	23.8	28	25	25	24
CPR at Boresight, dB	18	26	20	25	20	17
CPR at Sector, dB	15	9	11	10	8	2

Material Specifications

Radiator Material	Copper | Low loss circuit board

NHH-65C-R2B

Reflector Material	Aluminum

Mechanical Specifications

Wind Loading at Velocity, frontal	393.0 N @ 150 km/h | 88.8 lbf @ 150 km/h
Wind Loading at Velocity, lateral	330.0 N @ 150 km/h | 74.2 lbf @ 150 km/h
Wind Loading at Velocity, maximum	170.2 lbf @ 150 km/h | 757.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	409 mm | 16.102 in
Depth, packed	299 mm | 11.772 in
Length, packed	2561 mm | 100.827 in
Net Weight, without mounting kit	23.4 kg | 51.588 lb
Weight, gross	36.1 kg | 79.587 lb

Regulatory Compliance/Certifications

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

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Norfolk W								
Tower Height: Verizon @ 127ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	4	1028	145	1900	0.0765	1.0000	0.77%	
*T-Mobile	2	2057	145	1900	0.0766	1.0000	0.77%	
*T-Mobile	2	2308	145	2100	0.0859	1.0000	0.86%	
*T-Mobile	2	592	145	600	0.0220	0.4000	0.55%	
*T-Mobile	1	1578	145	600	0.0294	0.4000	0.73%	
*T-Mobile	2	695	145	700	0.0259	0.4667	0.55%	
*T-Mobile	2	2105	145	1900	0.0784	1.0000	0.78%	
*T-Mobile	1	19239	145	2500	0.3581	1.0000	3.58%	
*T-Mobile	1	19239	145	2500	0.3581	1.0000	3.58%	
*AT&T	1	1302	137	850	0.0273	0.5667	0.48%	
*AT&T	1	2951	137	700	0.0618	0.4667	1.33%	
*AT&T	1	3837	137	1900	0.0804	1.0000	0.80%	
*AT&T	1	1476	137	700	0.0309	0.4667	0.66%	
*AT&T	1	1000	137	850	0.0210	0.5667	0.37%	
*AT&T	1	3837	137	2100	0.0804	1.0000	0.80%	
*AT&T	1	1000	137	850	0.0210	0.5667	0.37%	
*AT&T	4	960	95	2100	0.1743	1.0000	1.74%	
*AT&T	2	460	95	850	0.0418	0.5667	0.74%	
*AT&T	2	627	95	700	0.0569	0.4667	1.22%	
*AT&T	4	1005	95	2300	0.1825	1.0000	1.83%	
VZW 700	**4**	**697**	**127**	**751**	**0.0061**	**0.5007**	**1.21%**	
VZW CDMA	**2**	**473**	**127**	**878.49**	**0.0017**	**0.5857**	**0.29%**	
VZW Cellular	**4**	**825**	**127**	**874**	**0.0057**	**0.5827**	**0.98%**	
VZW PCS	**4**	**1052**	**127**	**1975**	**0.0086**	**1.0000**	**0.86%**	
VZW AWS	**4**	**2080**	**127**	**2120**	**0.0100**	**1.0000**	**1.00%**	
VZW CBAND	**4**	**6531**	**127**	**3730.08**	**0.0583**	**1.0000**	**5.83%**	
								32.69%
* Source: Siting Council								

ATTACHMENT 4

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 148 ft EEI Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46144-A

Customer Site Name: Cammilletti Property

Carrier Name: Verizon (App#: 152545, V4)

Carrier Site ID / Name: 467610 / NORFOLK WEST CT

Site Location: 10 Ashpohtag Rd

Norfolk, Connecticut

Litchfield County

Latitude: 42.002694

Longitude: -73.221388

Analysis Result:

Max Structural Usage: 70.0% [Pass]

Max Foundation Usage: 44.0% [Pass]

Additional Usage Caused by Mount Modification: +2.0%

Report Prepared By: Younus Alkarawi

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

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Additional Usage Caused by Mount Modification: +2.0%

Report Prepared By: Younus Alkarawi

Introduction

The purpose of this report is to summarize the analysis results on the 148 ft EEI Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	EEI Project #12865, dated 08/30/04
Foundation Drawing	EEI Project #12865, dated 08/30/04
Geotechnical Report	Dr. Clarence Welti, PE Geotechnical Report for Proposed Sprint Site CT33XC590, dated 08/17/04
Modification Drawings	Vertical Solutions Project #121779, dated 10/02/12
Mount Analysis	Verizon MA by Maser Consulting Connecticut Project #: 21777242A, Dated 07/06/2021

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-222-G-2**.** In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 115.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 89.0 mph (3-Sec. Gust)
Wind Speed with Ice:	40 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.175, S_1 = 0.065

This structural analysis is based upon the tower being classified as a Structure Class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	147.0	2	Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)- Panel	(1) Low Profile Platform (SitePro1 RMQP-472) (1) Handrail Kit (SitePro HRK12)	(3) 2" Hybrid	T-Mobile Sprint
2	145.0	2	RFS - APXVAALL24_43-U-NA20 - Panel			
3		2	Ericsson - AIR6449 B41 - Panel			
4		4	RFS ACU-A20-N RET			
5		2	Ericsson 4415 B25			
6		4	ALU 800 MHz RRH			
7		2	Ericsson 4449 B71 + B85			
8		2	ALU 800 MHz Filter			
9	137.0	3	HPA-65R-BU6AA - Panel	Low Profile Platform	(12) 1 5/8" (2) 3" Conduit (4) 3/4" DC Power* (2) 7/16" Fiber*	AT&T
10		3	DMP65R-BU6DA - Panel			
11		3	RRUS 4449 B5/B12			
12		3	Powerwave - 7770 - Panel			
13		2	Raycap - DC6-48-60-18-8F - SP			
14		3	RRUS 8843 B2 B66A			
15		6	Powerwave - LGP 21401 - TMA			
-	127.0	3	Antel - BXA-171085-12BF - Panel	Low Profile Platform	(12) 1 5/8"	Verizon
-		6	Antel - LPA 80080/6CF - Panel			
-		2	Antel - BXA-70040-6CF - Panel			
-		1	Antel - BXA-70063-6CF - Panel			
-		6	RFS - FD9R6004/2C-3L - Diplexer			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
16	127.0	3	Samsung MT6407-77A - Panel	Modified Low Profile Platform W/ (1) Support rail kit	(6) 1 5/8" (1) 1 5/8" Hybrid	Verizon
17		3	Antel BXA-70080-6CF-EDIN-0 - Panel			
18		6	Commscope NHH-65C-R2B - Panel			
19		3	Samsung B2/B66A RRH-BR049			
20		3	Samsung B5/B13 RRH-BR04C			
21		1	RFS DB-C1-12C-24AB-0Z-OVP			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	**61.9%**	**44.5%**	**70.0%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Original Design Reactions	2300.4	22.0
Analysis Reactions	2085.0	18.3
Factored Reactions*	3105.5	29.7
% of Design Reactions	67.1%	61.7%

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.5082 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC.** Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.

2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.

4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

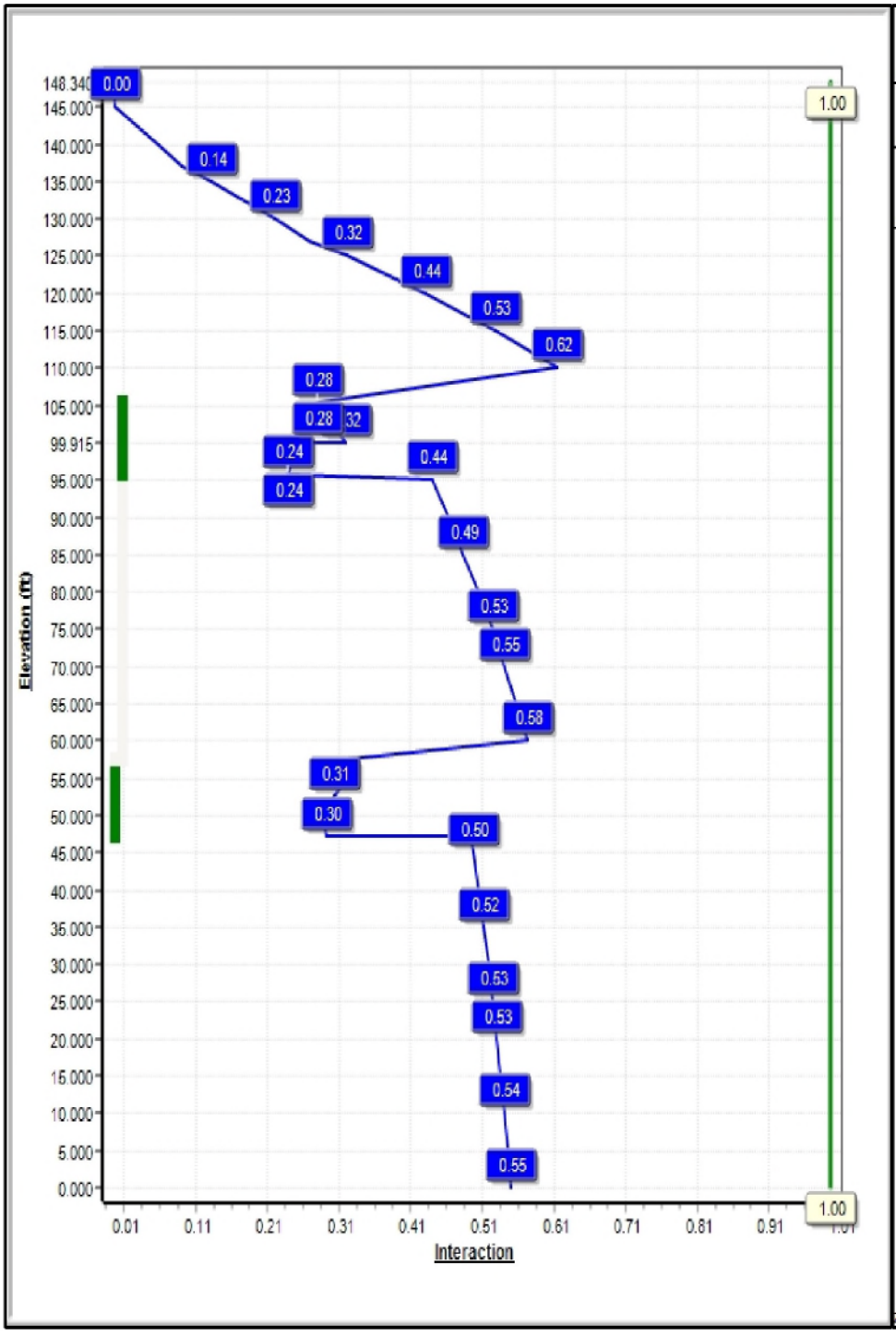
Usage Diagram - Max Ratio 61.86% at 110.0ft

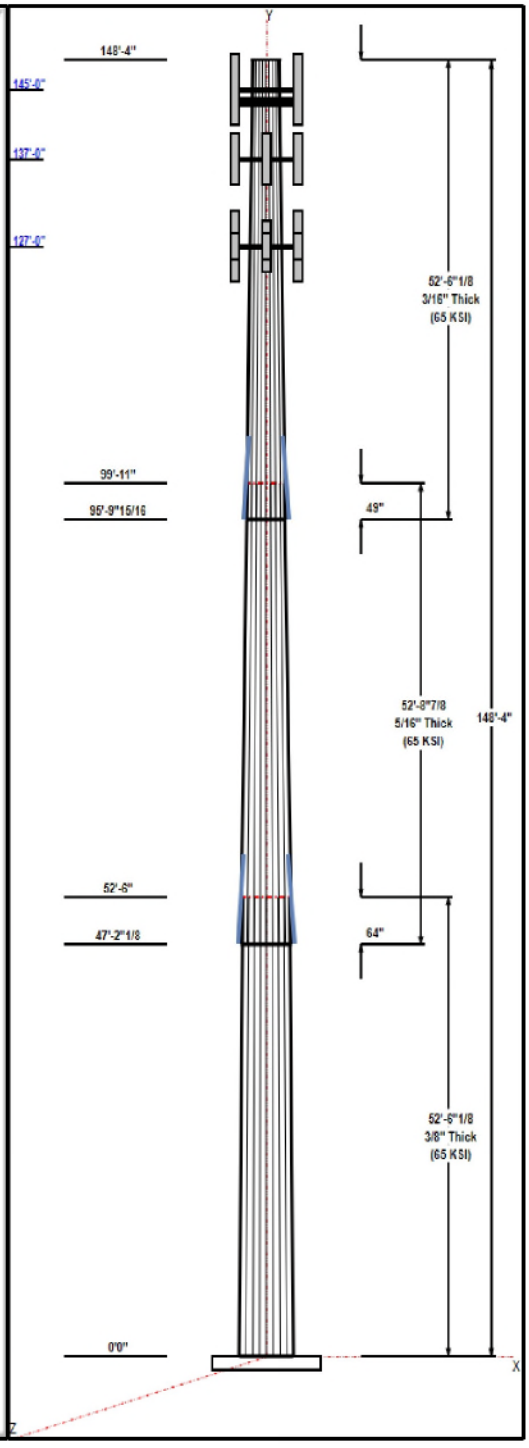
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Cammilletti Property	**Exposure:**	B	
Height:	148.34 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	25
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 89 mph Wind





Structure: CT46144-A-SBA

Type: Tapered
Site Name: Cammilletti Property
Height: 148.34 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.20898

8/10/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	52.51	37.03	48.00	0.375		0.20898	65
2	52.74	27.74	38.77	0.313	Slip	0.20898	65
3	52.51	18.00	28.97	0.188	Slip	0.20898	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
145.00	145.00	2	AIR32	T-Mobile Sprint
145.00	145.00	2	APXVAALL24_43-U-NA20	T-Mobile Sprint
145.00	145.00	2	AIR6449 B41	T-Mobile Sprint
145.00	145.00	4	RFS ACU-A20-N RET	T-Mobile Sprint
145.00	145.00	2	Ericsson 4415 B25	T-Mobile Sprint
145.00	145.00	4	ALU 800 MHz RRH	T-Mobile Sprint
145.00	145.00	2	Ericsson 4449 B71 + B85	T-Mobile Sprint
145.00	145.00	2	ALU 800 MHz Filter	T-Mobile Sprint
145.00	145.00	1	RMQP-472 (LPP)	T-Mobile Sprint
145.00	145.00	1	HRK12 (Handrail Kit)	T-Mobile Sprint
137.00	137.00	3	HPA-65R-BU6AA	AT&T
137.00	137.00	3	DMP65R-BU6DA	AT&T
137.00	137.00	3	RRUS 4449 B5/B12	AT&T
137.00	137.00	3	7770	AT&T
137.00	137.00	2	DC6-48-60-18-8F	AT&T
137.00	137.00	3	RRUS 8843 B2 B66A	AT&T
137.00	137.00	6	LGP 21401	AT&T
137.00	137.00	1	Low Profile Platform	AT&T
127.00	127.00	1	Low Profile Platform	Verizon
127.00	127.00	3	Samsung MT6407-77A	Verizon
127.00	127.00	3	Antel	Verizon
127.00	127.00	6	Commscope	Verizon
127.00	127.00	3	Samsung B2/B66A	Verizon
127.00	127.00	3	Samsung B5/B13	Verizon
127.00	127.00	1	RFS	Verizon
127.00	127.00	1	Mount mod	Verizon

Linear Appurtenances

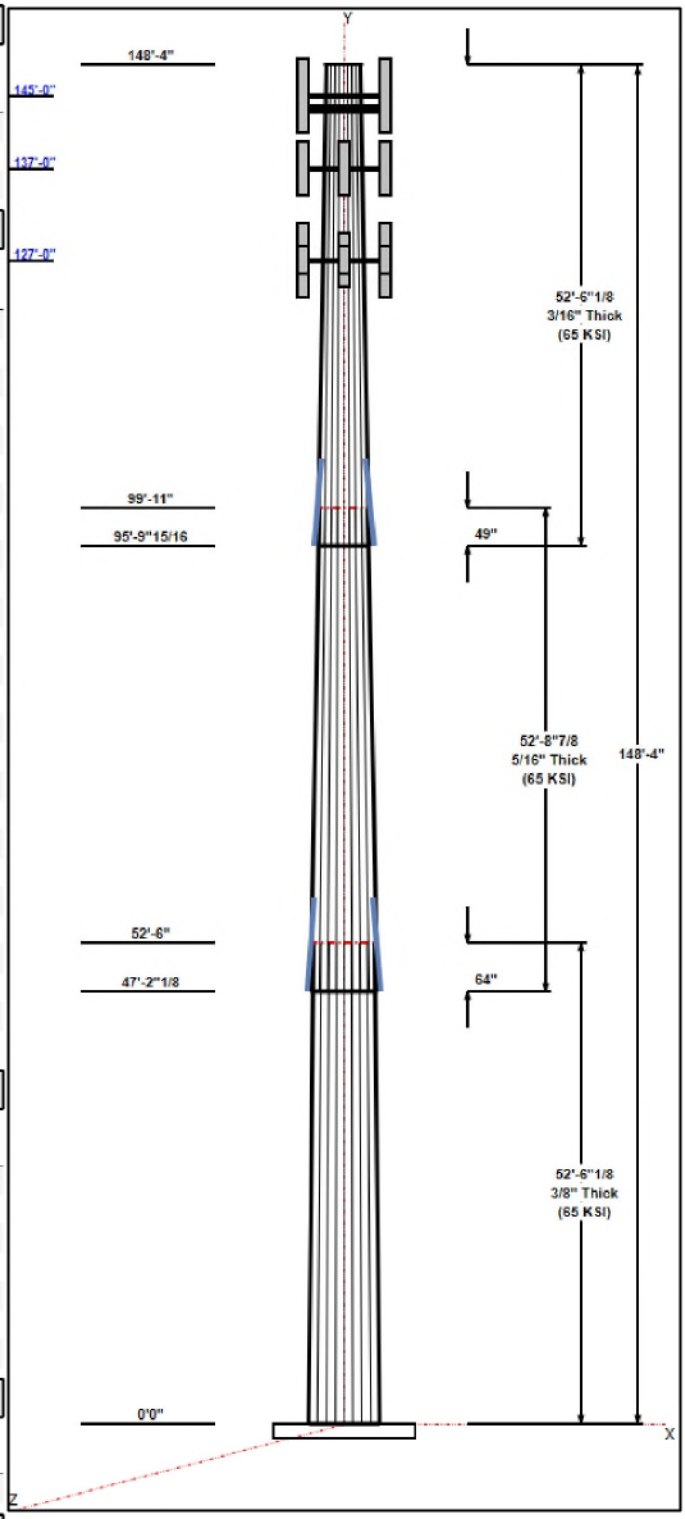
Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	145.00	Inside	2" Hybrid	T-Mobile Sprint
0.00	137.00	Inside	1 5/8" Coax	AT&T
0.00	137.00	Inside	3" Conduit	AT&T
0.00	127.00	Inside	1 5/8" Coax	Verizon
0.00	127.00	Inside	1 5/8" Hybrid	Verizon
95.80	105.30	Outside	1.5" Reinforcing plate	
47.20	57.50	Outside	1.5" Reinforcing plate	

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
16	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry



2.0000	63.0	60.0	Round

Reactions

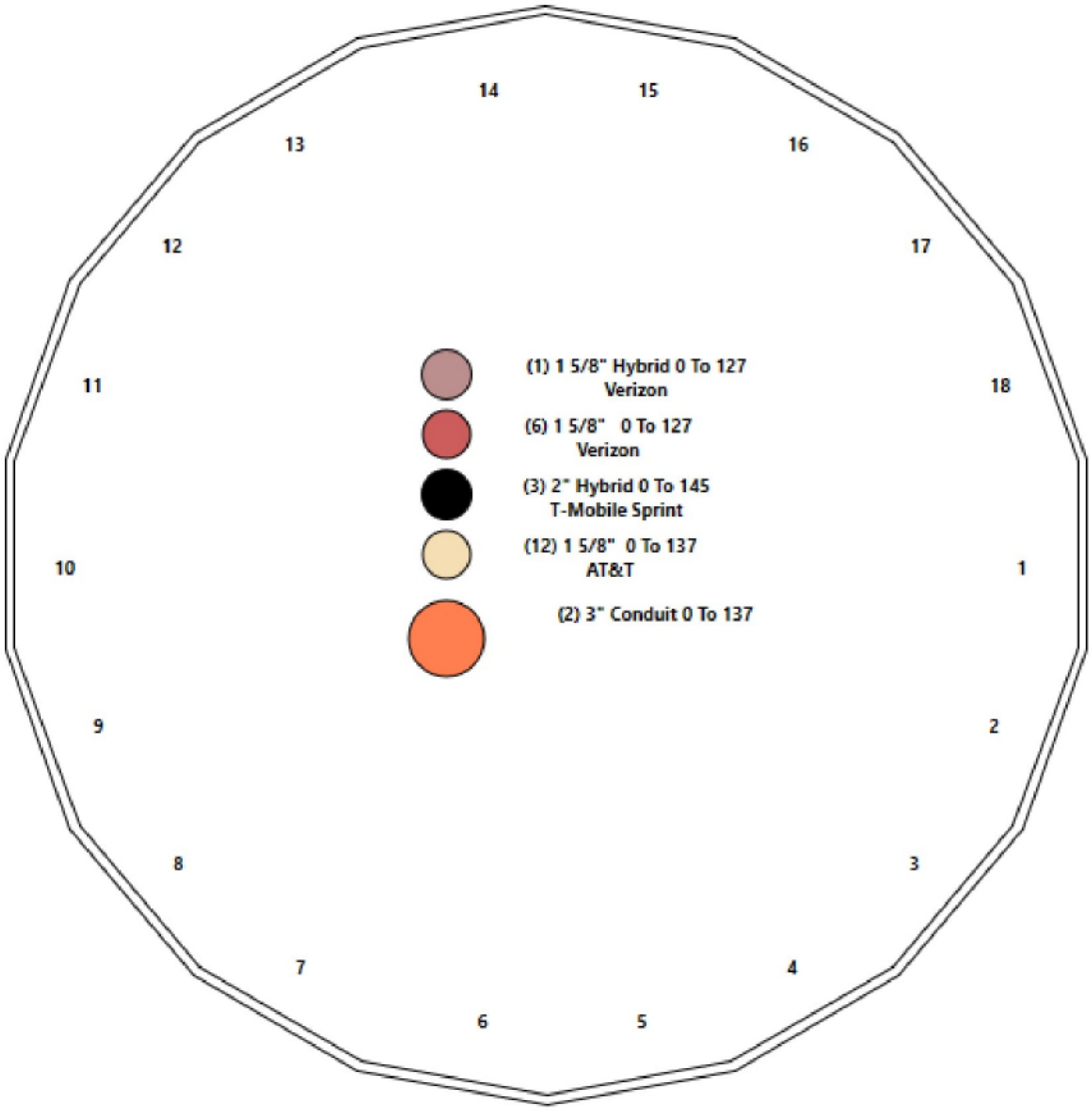
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 89 mph Wind	2085.0	18.3	35.3
0.9D + 1.6W 89 mph Wind	2056.1	18.3	26.4
1.2D + 1.0Di + 1.0Wi 40 mph Wind	439.8	3.9	56.9
1.2D + 1.0E	201.6	1.6	35.3
0.9D + 1.0E	198.6	1.6	26.5
1.0D + 1.0W 60 mph Wind	587.4	5.2	29.4

Structure: CT46144-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Cammilletti Property
Height: 148.34 (ft)

8/10/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT46144-A-SBA		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Cammilletti Property		**Exposure:**	B	
Height:	148.34 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	52.510	0.3750	65		0.00	8,961
2	18	52.740	0.3125	65	Slip	64.02	5,864
3	18	52.512	0.1875	65	Slip	49.05	2,478
					Total Shaft Weight:		**17,303**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	48.00	0.00	56.68	16243.54	21.16	128.00	37.03	52.51	43.62	7403.73	16.00	98.74	0.208979
2	38.77	47.18	38.14	7125.48	20.46	124.05	27.74	99.92	27.21	2586.91	14.24	88.78	0.208979
3	28.97	95.83	17.13	1793.54	25.84	154.53	18.00	148.34	10.60	424.93	15.52	96.00	0.208979

Additional Steel

							Intermediate Connectors		Termination Connectors			
Elev From (ft)	**Elev To (ft)**	**Qty**	**Description**	**Fy (ksi)**	**Fu (ksi)**	**Offset (in)**	**Description**	**Spacing (in)**	**Description**	**Spacing (in)**	**Lower Qty**	**Upper Qty**
47.20	57.50	3	PLT 6"x1.5"(31mm hole)	65	80	0.00	AJM20&sleeve	24.00	AJM20&sleeve	3.00	11	10
95.80	105.3	3	PLT 4.5x1.5(31mm Hole)	65	80	0.00	AJM20&sleeve	24.00	AJM20&sleeve	3.00	8	6

Load Summary

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	145.00	AIR32 KRD901146-1_B66A_B2A	2	132.20	6.51	0.87	315.84	7.686	0.87	0.00	0.00
2	145.00	APXVAALL24_43-U-NA20	2	122.80	20.24	0.73	548.87	22.134	0.73	0.00	0.00
3	145.00	AIR6449 B41	2	103.00	5.65	0.71	239.65	6.597	0.71	0.00	0.00
4	145.00	RFS ACU-A20-N RET	4	1.04	0.14	0.67	5.49	0.436	0.67	0.00	0.00
5	145.00	Ericsson 4415 B25	2	46.00	1.86	0.67	95.32	2.431	0.67	0.00	0.00
6	145.00	ALU 800 MHz RRH	4	53.00	2.49	0.67	126.71	3.630	0.67	0.00	0.00
7	145.00	Ericsson 4449 B71 + B85	2	75.00	1.97	0.67	133.96	2.537	0.67	0.00	0.00
8	145.00	ALU 800 MHz Filter	2	8.80	0.78	0.67	26.38	1.425	0.67	0.00	0.00
9	145.00	RMQP-472 (LPP)	1	1625.79	33.60	1.00	3096.22	54.639	1.00	0.00	0.00
10	145.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	571.26	13.325	1.00	0.00	0.00
11	137.00	HPA-65R-BU6AA	3	51.00	9.66	0.85	296.50	11.013	0.85	0.00	0.00
12	137.00	DMP65R-BU6DA	3	79.40	12.71	0.72	371.29	14.161	0.72	0.00	0.00
13	137.00	RRUS 4449 B5/B12	3	71.00	1.97	0.67	123.90	2.512	0.67	0.00	0.00
14	137.00	7770	3	35.00	5.50	0.73	168.68	6.555	0.73	0.00	0.00
15	137.00	DC6-48-60-18-8F	2	31.80	0.92	1.00	93.07	1.354	1.00	0.00	0.00
16	137.00	RRUS 8843 B2 B66A	3	75.00	1.65	0.67	148.86	2.182	0.67	0.00	0.00
17	137.00	LGP 21401	6	14.10	1.29	1.00	38.88	2.118	1.00	0.00	0.00
18	137.00	Low Profile Platform	1	1500.00	22.00	1.00	2797.10	39.502	1.00	0.00	0.00
19	127.00	Low Profile Platform	1	1500.00	22.00	1.00	2787.31	39.370	1.00	0.00	0.00
20	127.00	Samsung MT6407-77A	3	79.40	4.69	0.70	196.56	5.621	0.70	0.00	0.00
21	127.00	Antel BXA-70080-6CF-EDIN-0	3	18.00	5.76	0.87	142.59	8.093	0.87	0.00	0.00
22	127.00	Commscope NHH-65C-R2B	6	51.60	11.39	0.84	309.15	13.018	0.84	0.00	0.00
23	127.00	Samsung B2/B66A RRH-BR049	3	84.40	1.87	0.67	159.39	2.433	0.67	0.00	0.00
24	127.00	Samsung B5/B13 RRH-BR04C	3	70.30	1.87	0.67	138.23	2.433	0.67	0.00	0.00
25	127.00	RFS DB-C1-12C-24AB-0Z-OVP	1	32.00	4.06	1.00	144.05	4.868	1.00	0.00	0.00
26	127.00	Mount mod	1	514.00	12.25	1.00	1113.92	24.025	1.00	0.00	0.00
		Totals:	**67**	**8,773.57**			**21,270.99**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	145.00	(3) 2" Hybrid	0.00	Inside
0.00	137.00	(12) 1 5/8" Coax	0.00	Inside
0.00	137.00	(2) 3" Conduit	0.00	Inside
0.00	127.00	(6) 1 5/8" Coax	0.00	Inside
0.00	127.00	(1) 1 5/8" Hybrid	0.00	Inside
95.80	105.30	(3) 1.5" Reinforcing plate	1.50	Outside
47.20	57.50	(3) 1.5" Reinforcing plate	1.50	Outside

Shaft Section Properties

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Increment Length: **5 (ft)**

											Additional Reinforcing			
Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00		0.3750	48.000	56.684	16243.5	21.16	128.00	65	77	0.0				
5.00		0.3750	46.955	55.440	15197.7	20.67	125.21	65	77	953.8				
10.00		0.3750	45.910	54.196	14197.7	20.18	122.43	65	78	932.7				
15.00		0.3750	44.865	52.953	13242.6	19.69	119.64	65	78	911.5				
20.00		0.3750	43.820	51.709	12331.3	19.19	116.85	65	79	890.4				
25.00		0.3750	42.776	50.465	11462.8	18.70	114.07	65	79	869.2				
30.00		0.3750	41.731	49.222	10636.0	18.21	111.28	65	80	848.0				
35.00		0.3750	40.686	47.978	9850.0	17.72	108.50	65	81	826.9				
40.00		0.3750	39.641	46.734	9103.7	17.23	105.71	65	81	805.7				
45.00		0.3750	38.596	45.491	8396.1	16.74	102.92	65	82	784.6				
47.18	Bot - Section 2	0.3750	38.141	44.950	8100.1	16.52	101.71	65	82	334.7				
47.20	RB1	0.3750	38.136	44.944	8096.8	16.52	101.70	65	82	7.0	27.00	5513.8	5513.8	2.3
50.00		0.3750	37.551	44.247	7726.2	16.25	100.14	65	82	785.5	27.00	5355.9	5355.9	257.2
52.51	Top - Section 1	0.3125	37.651	37.034	6523.5	19.83	120.48	65	78	693.8	27.00	5216.4	5216.4	230.6
55.00		0.3125	37.131	36.518	6254.6	19.54	118.82	65	78	311.6	27.00	5079.8	5079.8	228.8
57.50	RT1	0.3125	36.609	36.000	5992.1	19.25	117.15	65	79	308.5	27.00	4944.4	4944.4	229.7
60.00		0.3125	36.086	35.482	5737.0	18.95	115.48	65	79	304.0				
65.00		0.3125	35.041	34.445	5248.9	18.36	112.13	65	80	594.9				
70.00		0.3125	33.996	33.409	4789.2	17.77	108.79	65	80	577.2				
75.00		0.3125	32.952	32.373	4357.2	17.18	105.44	65	81	559.6				
80.00		0.3125	31.907	31.336	3952.0	16.59	102.10	65	82	542.0				
85.00		0.3125	30.862	30.300	3572.7	16.00	98.76	65	83	524.3				
90.00		0.3125	29.817	29.264	3218.5	15.41	95.41	65	83	506.7				
95.00		0.3125	28.772	28.227	2888.5	14.82	92.07	65	83	489.1				
95.80	RB2	0.3125	28.605	28.061	2837.9	14.73	91.54	65	83	76.6	20.25	2313.1	2313.1	55.1
95.83	Bot - Section 3	0.3125	28.599	28.056	2836.2	14.73	91.52	65	83	2.6	20.25	2312.2	2312.2	1.9
99.92	Top - Section 2	0.1875	28.120	16.623	1638.6	25.03	149.97	65	72	619.1	20.25	2239.7	2239.7	281.7
100.00		0.1875	28.102	16.612	1635.5	25.02	149.88	65	72	4.8	20.25	2237.1	2237.1	5.8
105.00		0.1875	27.057	15.990	1458.6	24.03	144.30	65	73	277.3	20.25	2083.2	2083.2	344.5
105.30	RT2	0.1875	26.994	15.953	1448.4	23.98	143.97	65	73	16.3	20.25	2074.2	2074.2	20.7
110.00		0.1875	26.012	15.368	1295.0	23.05	138.73	65	74	250.5				
115.00		0.1875	24.967	14.747	1144.0	22.07	133.16	65	75	256.2				
120.00		0.1875	23.922	14.125	1005.3	21.09	127.59	65	77	245.6				
125.00		0.1875	22.878	13.503	878.3	20.10	122.01	65	78	235.0				
127.00		0.1875	22.460	13.254	830.7	19.71	119.78	65	78	91.0				
130.00		0.1875	21.833	12.881	762.5	19.12	116.44	65	79	133.4				
135.00		0.1875	20.788	12.259	657.3	18.14	110.87	65	80	213.9				
137.00		0.1875	20.370	12.011	618.1	17.75	108.64	65	81	82.6				
140.00		0.1875	19.743	11.637	562.3	17.16	105.30	65	81	120.7				
145.00		0.1875	18.698	11.016	476.9	16.17	99.72	65	82	192.7				
148.34		0.1875	18.000	10.600	424.9	15.52	96.00	65	83	122.8				
								Total Weight		**17302.8**				**1658.3**

Wind Loading - Shaft

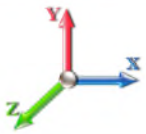
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	13.485	14.83	302.45	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	13.485	14.83	295.86	0.650	0.000	5.00	20.087	13.06	309.9	0.0	1144.6
10.00		1.00	0.70	13.485	14.83	289.28	0.650	0.000	5.00	19.645	12.77	303.1	0.0	1119.2
15.00		1.00	0.70	13.485	14.83	282.69	0.650	0.000	5.00	19.203	12.48	296.2	0.0	1093.8
20.00		1.00	0.70	13.485	14.83	276.11	0.650	0.000	5.00	18.761	12.19	289.4	0.0	1068.4
25.00		1.00	0.70	13.485	14.83	269.53	0.650	0.000	5.00	18.319	11.91	282.6	0.0	1043.0
30.00		1.00	0.70	13.496	14.85	263.05	0.650	0.000	5.00	17.877	11.62	276.0	0.0	1017.6
35.00		1.00	0.73	14.104	15.51	262.18	0.650	0.000	5.00	17.435	11.33	281.3	0.0	992.2
40.00		1.00	0.76	14.652	16.12	260.36	0.650	0.000	5.00	16.993	11.05	284.8	0.0	966.9
45.00		1.00	0.79	15.154	16.67	257.80	0.650	0.000	5.00	16.551	10.76	286.9	0.0	941.5
47.18	Bot - Section 2	1.00	0.80	15.360	16.90	256.49	0.650	0.000	2.18	7.062	4.59	124.1	0.0	401.6
47.20	RB1	1.00	0.80	15.362	16.90	256.47	0.650	0.000	0.02	0.081	0.05	1.4	0.0	8.4
50.00		1.00	0.81	15.617	17.18	254.63	0.650	0.000	2.80	9.114	5.92	162.8	0.0	942.6
52.51	Top - Section 1	1.00	0.82	15.837	17.42	252.83	0.650	0.000	2.51	8.053	5.23	145.9	0.0	832.5
55.00		1.00	0.83	16.048	17.65	255.23	0.650	0.000	2.49	7.878	5.12	144.6	0.0	373.9
57.50	RT1	1.00	0.84	16.253	17.88	253.24	0.650	0.000	2.50	7.800	5.07	145.0	0.0	370.1
60.00		1.00	0.85	16.452	18.10	251.15	0.650	0.000	2.50	7.689	5.00	144.7	0.0	364.9
65.00		1.00	0.87	16.833	18.52	246.68	0.650	0.000	5.00	15.047	9.78	289.7	0.0	713.8
70.00		1.00	0.89	17.193	18.91	241.88	0.650	0.000	5.00	14.605	9.49	287.3	0.0	692.7
75.00		1.00	0.91	17.535	19.29	236.76	0.650	0.000	5.00	14.163	9.21	284.1	0.0	671.5
80.00		1.00	0.93	17.861	19.65	231.38	0.650	0.000	5.00	13.721	8.92	280.4	0.0	650.4
85.00		1.00	0.94	18.173	19.99	225.75	0.650	0.000	5.00	13.278	8.63	276.1	0.0	629.2
90.00		1.00	0.96	18.473	20.32	219.89	0.650	0.000	5.00	12.836	8.34	271.3	0.0	608.0
95.00		1.00	0.97	18.760	20.64	213.83	0.650	0.000	5.00	12.394	8.06	266.0	0.0	586.9
95.80	RB2	1.00	0.98	18.805	20.69	212.84	0.650	0.000	0.80	1.942	1.26	41.8	0.0	91.9
95.83	Bot - Section 3	1.00	0.98	18.807	20.69	212.81	0.650	0.000	0.03	0.067	0.04	1.4	0.0	3.2
99.92	Top - Section 2	1.00	0.99	19.033	20.94	207.69	0.650	0.000	4.09	9.874	6.42	215.0	0.0	742.9
100.00		1.00	0.99	19.037	20.94	210.39	0.650	0.000	0.08	0.202	0.13	4.4	0.0	5.8
105.00		1.00	1.00	19.304	21.23	203.98	0.650	0.000	5.00	11.669	7.58	257.7	0.0	332.8
105.30	RT2	1.00	1.00	19.320	21.25	203.59	0.650	0.000	0.30	0.686	0.45	15.2	0.0	19.6
110.00		1.00	1.02	19.563	21.52	197.41	0.650	0.000	4.70	10.541	6.85	235.9	0.0	300.6
115.00		1.00	1.03	19.813	21.79	190.69	0.650	0.000	5.00	10.785	7.01	244.4	0.0	307.4
120.00		1.00	1.04	20.055	22.06	183.82	0.650	0.000	5.00	10.343	6.72	237.3	0.0	294.7
125.00		1.00	1.05	20.290	22.32	176.82	0.650	0.000	5.00	9.900	6.44	229.8	0.0	282.0
127.00	Appurtenance(s)	1.00	1.06	20.383	22.42	173.99	0.650	0.000	2.00	3.836	2.49	89.5	0.0	109.3
130.00		1.00	1.07	20.519	22.57	169.70	0.650	0.000	3.00	5.622	3.65	132.0	0.0	160.1
135.00		1.00	1.08	20.742	22.82	162.45	0.650	0.000	5.00	9.016	5.86	213.9	0.0	256.6
137.00	Appurtenance(s)	1.00	1.08	20.829	22.91	159.52	0.650	0.000	2.00	3.483	2.26	83.0	0.0	99.1
140.00		1.00	1.09	20.958	23.05	155.09	0.650	0.000	3.00	5.091	3.31	122.1	0.0	144.8
145.00	Appurtenance(s)	1.00	1.10	21.169	23.29	147.62	0.650	0.000	5.00	8.132	5.29	196.9	0.0	231.3
148.34		1.00	1.11	21.308	23.44	142.57	0.650	0.000	3.34	5.186	3.37	126.4	0.0	147.4
								Totals:	**148.34**			**7,880.4**		**20,763.3**

Discrete Appurtenance Forces

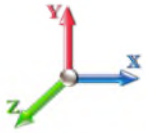
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	145.00	Ericsson 4415 B25	2	21.169	23.286	0.50	0.75	1.87	110.40	0.000	0.000	69.65	0.00	0.00
2	145.00	AIR32	2	21.169	23.286	0.65	0.75	8.50	317.28	0.000	0.000	316.53	0.00	0.00
3	145.00	APXVAALL24_43-U-NA20	2	21.169	23.286	0.55	0.75	22.16	294.72	0.000	0.000	825.74	0.00	0.00
4	145.00	AIR6449 B41	2	21.169	23.286	0.53	0.75	6.02	247.20	0.000	0.000	224.19	0.00	0.00
5	145.00	RFS ACU-A20-N RET	4	21.169	23.286	0.50	0.75	0.28	4.99	0.000	0.000	10.48	0.00	0.00
6	145.00	HRK12 (Handrail Kit)	1	21.169	23.286	1.00	1.00	6.75	314.06	0.000	0.000	251.49	0.00	0.00
7	145.00	ALU 800 MHz RRH	4	21.169	23.286	0.50	0.75	5.00	254.40	0.000	0.000	186.47	0.00	0.00
8	145.00	Ericsson 4449 B71 + B85	2	21.169	23.286	0.50	0.75	1.98	180.00	0.000	0.000	73.77	0.00	0.00
9	145.00	ALU 800 MHz Filter	2	21.169	23.286	0.50	0.75	0.78	21.12	0.000	0.000	29.21	0.00	0.00
10	145.00	RMQP-472 (LPP)	1	21.169	23.286	1.00	1.00	33.60	1950.95	0.000	0.000	1251.87	0.00	0.00
11	137.00	Low Profile Platform	1	20.829	22.912	1.00	1.00	22.00	1800.00	0.000	0.000	806.49	0.00	0.00
12	137.00	LGP 21401	6	20.829	22.912	0.80	0.80	6.19	101.52	0.000	0.000	226.99	0.00	0.00
13	137.00	RRUS 8843 B2 B66A	3	20.829	22.912	0.54	0.80	2.65	270.00	0.000	0.000	97.26	0.00	0.00
14	137.00	DC6-48-60-18-8F	2	20.829	22.912	0.80	0.80	1.47	76.32	0.000	0.000	53.96	0.00	0.00
15	137.00	RRUS 4449 B5/B12	3	20.829	22.912	0.54	0.80	3.17	255.60	0.000	0.000	116.13	0.00	0.00
16	137.00	DMP65R-BU6DA	3	20.829	22.912	0.58	0.80	21.96	285.84	0.000	0.000	805.13	0.00	0.00
17	137.00	HPA-65R-BU6AA	3	20.829	22.912	0.85	1.00	24.63	183.60	0.000	0.000	903.02	0.00	0.00
18	137.00	7770	3	20.829	22.912	0.58	0.80	9.64	126.00	0.000	0.000	353.24	0.00	0.00
19	127.00	Commscope	6	20.383	22.421	0.63	0.75	43.05	371.52	0.000	0.000	1544.50	0.00	0.00
20	127.00	Low Profile Platform	1	20.383	22.421	1.00	1.00	22.00	1800.00	0.000	0.000	789.22	0.00	0.00
21	127.00	Samsung MT6407-77A	3	20.383	22.421	0.52	0.75	7.39	285.84	0.000	0.000	264.99	0.00	0.00
22	127.00	Antel	3	20.383	22.421	0.65	0.75	11.28	64.80	0.000	0.000	404.48	0.00	0.00
23	127.00	RFS	1	20.383	22.421	1.00	1.00	4.06	38.40	0.000	0.000	145.65	0.00	0.00
24	127.00	Samsung B2/B66A	3	20.383	22.421	0.50	0.75	2.82	303.84	0.000	0.000	101.13	0.00	0.00
25	127.00	Samsung B5/B13	3	20.383	22.421	0.50	0.75	2.82	253.08	0.000	0.000	101.13	0.00	0.00
26	127.00	Mount mod	1	20.383	22.421	1.00	1.00	12.25	616.80	0.000	0.000	439.45	0.00	0.00
							Totals:		**10,528.28**			**10,392.16**		

Total Applied Force Summary

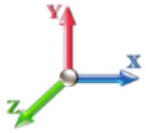
Structure:	CT46144-A-SBA		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Cammilletti Property		**Exposure:**	B	
Height:	148.34 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 10

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		309.88	1293.17	0.00	0.00
10.00		303.06	1267.78	0.00	0.00
15.00		296.24	1242.38	0.00	0.00
20.00		289.42	1216.99	0.00	0.00
25.00		282.60	1191.60	0.00	0.00
30.00		276.01	1166.21	0.00	0.00
35.00		281.31	1140.82	0.00	0.00
40.00		284.84	1115.43	0.00	0.00
45.00		286.92	1090.04	0.00	0.00
47.18		124.09	466.28	0.00	0.00
47.20		1.43	9.16	0.00	0.00
50.00		162.84	1025.77	0.00	0.00
52.51		145.89	907.12	0.00	0.00
55.00		144.64	447.91	0.00	0.00
57.50		145.02	444.43	0.00	0.00
60.00		144.72	439.14	0.00	0.00
65.00		289.75	862.41	0.00	0.00
70.00		287.25	841.25	0.00	0.00
75.00		284.10	820.09	0.00	0.00
80.00		280.36	798.93	0.00	0.00
85.00		276.06	777.78	0.00	0.00
90.00		271.27	756.62	0.00	0.00
95.00		266.00	735.46	0.00	0.00
95.80		41.78	115.71	0.00	0.00
95.83		1.44	3.99	0.00	0.00
99.92		214.98	864.34	0.00	0.00
100.00		4.39	8.28	0.00	0.00
105.00		257.70	481.39	0.00	0.00
105.30		15.16	28.48	0.00	0.00
110.00		235.90	440.21	0.00	0.00
115.00		244.44	456.00	0.00	0.00
120.00		237.29	443.30	0.00	0.00
125.00		229.81	430.60	0.00	0.00
127.00	(21) attachments	3879.99	3902.97	0.00	0.00
130.00		131.97	222.80	0.00	0.00
135.00		213.94	361.17	0.00	0.00
137.00	(24) attachments	3445.21	3239.79	0.00	0.00
140.00		122.07	155.15	0.00	0.00
145.00	(22) attachments	3436.34	3943.55	0.00	0.00
148.34		126.41	147.40	0.00	0.00
	Totals:	**18,272.54**	**35,301.90**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

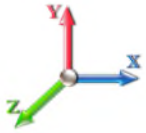
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
50.00	1.5" Reinforcing plate	Yes	2.80	0.000	1.50	0.35	0.00	0.039	0.000	15.617	0.00	0.00
52.51	1.5" Reinforcing plate	Yes	2.51	0.000	1.50	0.31	0.00	0.040	0.000	15.837	0.00	0.00
55.00	1.5" Reinforcing plate	Yes	2.49	0.000	1.50	0.31	0.00	0.040	0.000	16.048	0.00	0.00
57.50	1.5" Reinforcing plate	Yes	2.50	0.000	1.50	0.31	0.00	0.040	0.000	16.253	0.00	0.00
95.83	1.5" Reinforcing plate	Yes	0.03	0.000	1.50	0.00	0.00	0.052	0.000	18.807	0.00	0.00
99.92	1.5" Reinforcing plate	Yes	4.09	0.000	1.50	0.51	0.00	0.052	0.000	19.033	0.00	0.00
100.00	1.5" Reinforcing plate	Yes	0.08	0.000	1.50	0.01	0.00	0.053	0.000	19.037	0.00	0.00
105.00	1.5" Reinforcing plate	Yes	5.00	0.000	1.50	0.63	0.00	0.054	0.000	19.304	0.00	0.00
105.30	1.5" Reinforcing plate	Yes	0.30	0.000	1.50	0.04	0.00	0.055	0.000	19.320	0.00	0.00
										Totals:	**0.0**	**0.0**

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-35.27	-18.33	0.00	-2084.9	0.00	2084.97	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.554
5.00	-33.92	-18.12	0.00	-1993.3	0.00	1993.33	3846.55	1923.28	7360.85	3685.90	0.10	-0.179	0.000	0.550
10.00	-32.60	-17.92	0.00	-1902.7	0.00	1902.72	3788.45	1894.23	7085.75	3548.14	0.38	-0.361	0.000	0.545
15.00	-31.30	-17.72	0.00	-1813.1	0.00	1813.13	3729.06	1864.53	6813.30	3411.72	0.86	-0.547	0.000	0.540
20.00	-30.03	-17.51	0.00	-1724.5	0.00	1724.56	3668.37	1834.19	6543.69	3276.71	1.53	-0.737	0.000	0.535
25.00	-28.78	-17.31	0.00	-1637.0	0.00	1637.00	3606.39	1803.19	6277.08	3143.21	2.41	-0.931	0.000	0.529
30.00	-27.56	-17.11	0.00	-1550.4	0.00	1550.44	3543.11	1771.56	6013.64	3011.29	3.49	-1.129	0.000	0.523
35.00	-26.37	-16.90	0.00	-1464.8	0.00	1464.89	3478.55	1739.27	5753.54	2881.05	4.78	-1.330	0.000	0.516
40.00	-25.20	-16.68	0.00	-1380.4	0.00	1380.40	3412.68	1706.34	5496.94	2752.56	6.28	-1.536	0.000	0.509
45.00	-24.08	-16.42	0.00	-1297.0	0.00	1297.02	3345.53	1672.76	5244.01	2625.90	8.00	-1.745	0.000	0.501
47.18	-23.60	-16.30	0.00	-1261.2	0.00	1261.29	3315.91	1657.95	5135.17	2571.40	8.82	-1.839	0.000	0.498
47.20	-23.58	-16.32	0.00	-1260.8	0.00	1260.89	3315.57	1657.78	5133.93	2570.78	8.83	-1.840	0.000	0.296
50.00	-22.54	-16.15	0.00	-1215.2	0.00	1215.20	3277.08	1638.54	4994.93	2501.18	9.93	-1.913	0.000	0.291
52.51	-21.62	-16.00	0.00	-1174.6	0.00	1174.67	2602.21	1301.11	3990.47	1998.20	10.95	-1.978	0.000	0.308
55.00	-21.16	-15.86	0.00	-1134.8	0.00	1134.84	2577.30	1288.65	3896.73	1951.26	12.00	-2.043	0.000	0.326
57.50	-20.70	-15.72	0.00	-1095.1	0.00	1095.19	2551.96	1275.98	3803.21	1904.43	13.09	-2.113	0.000	0.320
57.50	-20.70	-15.72	0.00	-1095.1	0.00	1095.19	2551.96	1275.98	3803.21	1904.43	13.09	-2.113	0.000	0.320
60.00	-20.22	-15.62	0.00	-1055.8	0.00	1055.88	2526.30	1263.15	3710.31	1857.91	14.21	-2.183	0.000	0.576
65.00	-19.31	-15.38	0.00	-977.78	0.00	977.78	2474.01	1237.00	3526.46	1765.85	16.64	-2.435	0.000	0.562
70.00	-18.41	-15.14	0.00	-900.87	0.00	900.87	2420.42	1210.21	3345.35	1675.16	19.32	-2.690	0.000	0.546
75.00	-17.54	-14.89	0.00	-825.17	0.00	825.17	2365.54	1182.77	3167.14	1585.93	22.27	-2.946	0.000	0.528
80.00	-16.69	-14.65	0.00	-750.70	0.00	750.70	2309.37	1154.68	2992.01	1498.23	25.50	-3.203	0.000	0.508
85.00	-15.87	-14.40	0.00	-677.47	0.00	677.47	2251.13	1125.57	2819.16	1411.68	28.99	-3.460	0.000	0.487
90.00	-15.07	-14.15	0.00	-605.48	0.00	605.48	2174.14	1087.07	2628.67	1316.29	32.75	-3.716	0.000	0.467
95.00	-14.31	-13.87	0.00	-534.75	0.00	534.75	2097.14	1048.57	2444.84	1224.23	36.77	-3.968	0.000	0.444
95.80	-14.20	-13.82	0.00	-523.66	0.00	523.66	2084.82	1042.41	2416.04	1209.82	37.44	-4.009	0.000	0.243
95.83	-14.18	-13.84	0.00	-523.28	0.00	523.28	2084.39	1042.20	2415.05	1209.32	37.46	-4.010	0.000	0.242
99.92	-13.32	-13.57	0.00	-466.72	0.00	466.72	1076.50	538.25	1236.95	619.40	40.94	-4.122	0.000	0.261
100.00	-13.29	-13.59	0.00	-465.57	0.00	465.57	1076.11	538.05	1235.71	618.78	41.02	-4.124	0.000	0.324
105.00	-12.81	-13.31	0.00	-397.64	0.00	397.64	1052.46	526.23	1163.02	582.37	45.42	-4.283	0.000	0.287
105.30	-12.77	-13.31	0.00	-393.64	0.00	393.64	1051.00	525.50	1158.68	580.20	45.69	-4.292	0.000	0.285
105.30	-12.77	-13.31	0.00	-393.64	0.00	393.64	1051.00	525.50	1158.68	580.20	45.69	-4.292	0.000	0.285
110.00	-12.29	-13.10	0.00	-331.08	0.00	331.08	1027.52	513.76	1090.99	546.31	49.98	-4.430	0.000	0.619
115.00	-11.79	-12.88	0.00	-265.60	0.00	265.60	1001.28	500.64	1019.81	510.66	54.79	-4.758	0.000	0.533
120.00	-11.31	-12.66	0.00	-201.21	0.00	201.21	973.75	486.88	949.64	475.53	59.93	-5.048	0.000	0.435
125.00	-10.87	-12.42	0.00	-137.92	0.00	137.92	944.93	472.47	880.64	440.98	65.35	-5.288	0.000	0.325
127.00	-7.33	-8.20	0.00	-113.08	0.00	113.08	933.04	466.52	853.41	427.34	67.58	-5.369	0.000	0.273
130.00	-7.10	-8.07	0.00	-88.47	0.00	88.47	914.81	457.41	812.99	407.10	70.98	-5.473	0.000	0.225
135.00	-6.75	-7.83	0.00	-48.13	0.00	48.13	883.40	441.70	746.85	373.98	76.78	-5.600	0.000	0.137
137.00	-3.86	-4.09	0.00	-32.48	0.00	32.48	870.48	435.24	720.86	360.97	79.13	-5.635	0.000	0.094
140.00	-3.72	-3.95	0.00	-20.22	0.00	20.22	850.70	425.35	682.40	341.71	82.68	-5.671	0.000	0.064
145.00	-0.13	-0.14	0.00	-0.47	0.00	0.47	816.70	408.35	619.79	310.35	88.63	-5.697	0.000	0.002
148.34	0.00	-0.13	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88	92.61	-5.698	0.000	0.000

Wind Loading - Shaft

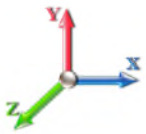
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	13.485	14.83	302.45	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	13.485	14.83	295.86	0.650	0.000	5.00	20.087	13.06	309.9	0.0	858.4
10.00		1.00	0.70	13.485	14.83	289.28	0.650	0.000	5.00	19.645	12.77	303.1	0.0	839.4
15.00		1.00	0.70	13.485	14.83	282.69	0.650	0.000	5.00	19.203	12.48	296.2	0.0	820.4
20.00		1.00	0.70	13.485	14.83	276.11	0.650	0.000	5.00	18.761	12.19	289.4	0.0	801.3
25.00		1.00	0.70	13.485	14.83	269.53	0.650	0.000	5.00	18.319	11.91	282.6	0.0	782.3
30.00		1.00	0.70	13.496	14.85	263.05	0.650	0.000	5.00	17.877	11.62	276.0	0.0	763.2
35.00		1.00	0.73	14.104	15.51	262.18	0.650	0.000	5.00	17.435	11.33	281.3	0.0	744.2
40.00		1.00	0.76	14.652	16.12	260.36	0.650	0.000	5.00	16.993	11.05	284.8	0.0	725.1
45.00		1.00	0.79	15.154	16.67	257.80	0.650	0.000	5.00	16.551	10.76	286.9	0.0	706.1
47.18	Bot - Section 2	1.00	0.80	15.360	16.90	256.49	0.650	0.000	2.18	7.062	4.59	124.1	0.0	301.2
47.20	RB1	1.00	0.80	15.362	16.90	256.47	0.650	0.000	0.02	0.081	0.05	1.4	0.0	6.3
50.00		1.00	0.81	15.617	17.18	254.63	0.650	0.000	2.80	9.114	5.92	162.8	0.0	706.9
52.51	Top - Section 1	1.00	0.82	15.837	17.42	252.83	0.650	0.000	2.51	8.053	5.23	145.9	0.0	624.4
55.00		1.00	0.83	16.048	17.65	255.23	0.650	0.000	2.49	7.878	5.12	144.6	0.0	280.4
57.50	RT1	1.00	0.84	16.253	17.88	253.24	0.650	0.000	2.50	7.800	5.07	145.0	0.0	277.6
60.00		1.00	0.85	16.452	18.10	251.15	0.650	0.000	2.50	7.689	5.00	144.7	0.0	273.6
65.00		1.00	0.87	16.833	18.52	246.68	0.650	0.000	5.00	15.047	9.78	289.7	0.0	535.4
70.00		1.00	0.89	17.193	18.91	241.88	0.650	0.000	5.00	14.605	9.49	287.3	0.0	519.5
75.00		1.00	0.91	17.535	19.29	236.76	0.650	0.000	5.00	14.163	9.21	284.1	0.0	503.6
80.00		1.00	0.93	17.861	19.65	231.38	0.650	0.000	5.00	13.721	8.92	280.4	0.0	487.8
85.00		1.00	0.94	18.173	19.99	225.75	0.650	0.000	5.00	13.278	8.63	276.1	0.0	471.9
90.00		1.00	0.96	18.473	20.32	219.89	0.650	0.000	5.00	12.836	8.34	271.3	0.0	456.0
95.00		1.00	0.97	18.760	20.64	213.83	0.650	0.000	5.00	12.394	8.06	266.0	0.0	440.2
95.80	RB2	1.00	0.98	18.805	20.69	212.84	0.650	0.000	0.80	1.942	1.26	41.8	0.0	69.0
95.83	Bot - Section 3	1.00	0.98	18.807	20.69	212.81	0.650	0.000	0.03	0.067	0.04	1.4	0.0	2.4
99.92	Top - Section 2	1.00	0.99	19.033	20.94	207.69	0.650	0.000	4.09	9.874	6.42	215.0	0.0	557.2
100.00		1.00	0.99	19.037	20.94	210.39	0.650	0.000	0.08	0.202	0.13	4.4	0.0	4.3
105.00		1.00	1.00	19.304	21.23	203.98	0.650	0.000	5.00	11.669	7.58	257.7	0.0	249.6
105.30	RT2	1.00	1.00	19.320	21.25	203.59	0.650	0.000	0.30	0.686	0.45	15.2	0.0	14.7
110.00		1.00	1.02	19.563	21.52	197.41	0.650	0.000	4.70	10.541	6.85	235.9	0.0	225.4
115.00		1.00	1.03	19.813	21.79	190.69	0.650	0.000	5.00	10.785	7.01	244.4	0.0	230.6
120.00		1.00	1.04	20.055	22.06	183.82	0.650	0.000	5.00	10.343	6.72	237.3	0.0	221.0
125.00		1.00	1.05	20.290	22.32	176.82	0.650	0.000	5.00	9.900	6.44	229.8	0.0	211.5
127.00	Appurtenance(s)	1.00	1.06	20.383	22.42	173.99	0.650	0.000	2.00	3.836	2.49	89.5	0.0	81.9
130.00		1.00	1.07	20.519	22.57	169.70	0.650	0.000	3.00	5.622	3.65	132.0	0.0	120.1
135.00		1.00	1.08	20.742	22.82	162.45	0.650	0.000	5.00	9.016	5.86	213.9	0.0	192.5
137.00	Appurtenance(s)	1.00	1.08	20.829	22.91	159.52	0.650	0.000	2.00	3.483	2.26	83.0	0.0	74.3
140.00		1.00	1.09	20.958	23.05	155.09	0.650	0.000	3.00	5.091	3.31	122.1	0.0	108.6
145.00	Appurtenance(s)	1.00	1.10	21.169	23.29	147.62	0.650	0.000	5.00	8.132	5.29	196.9	0.0	173.4
148.34		1.00	1.11	21.308	23.44	142.57	0.650	0.000	3.34	5.186	3.37	126.4	0.0	110.6
								Totals:	**148.34**			**7,880.4**		**15,572.5**

Discrete Appurtenance Forces

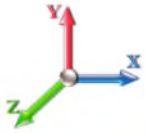
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	145.00	Ericsson 4415 B25	2	21.169	23.286	0.50	0.75	1.87	82.80	0.000	0.000	69.65	0.00	0.00
2	145.00	AIR32	2	21.169	23.286	0.65	0.75	8.50	237.96	0.000	0.000	316.53	0.00	0.00
3	145.00	APXVAALL24_43-U-NA20	2	21.169	23.286	0.55	0.75	22.16	221.04	0.000	0.000	825.74	0.00	0.00
4	145.00	AIR6449 B41	2	21.169	23.286	0.53	0.75	6.02	185.40	0.000	0.000	224.19	0.00	0.00
5	145.00	RFS ACU-A20-N RET	4	21.169	23.286	0.50	0.75	0.28	3.74	0.000	0.000	10.48	0.00	0.00
6	145.00	HRK12 (Handrail Kit)	1	21.169	23.286	1.00	1.00	6.75	235.55	0.000	0.000	251.49	0.00	0.00
7	145.00	ALU 800 MHz RRH	4	21.169	23.286	0.50	0.75	5.00	190.80	0.000	0.000	186.47	0.00	0.00
8	145.00	Ericsson 4449 B71 + B85	2	21.169	23.286	0.50	0.75	1.98	135.00	0.000	0.000	73.77	0.00	0.00
9	145.00	ALU 800 MHz Filter	2	21.169	23.286	0.50	0.75	0.78	15.84	0.000	0.000	29.21	0.00	0.00
10	145.00	RMQP-472 (LPP)	1	21.169	23.286	1.00	1.00	33.60	1463.21	0.000	0.000	1251.87	0.00	0.00
11	137.00	Low Profile Platform	1	20.829	22.912	1.00	1.00	22.00	1350.00	0.000	0.000	806.49	0.00	0.00
12	137.00	LGP 21401	6	20.829	22.912	0.80	0.80	6.19	76.14	0.000	0.000	226.99	0.00	0.00
13	137.00	RRUS 8843 B2 B66A	3	20.829	22.912	0.54	0.80	2.65	202.50	0.000	0.000	97.26	0.00	0.00
14	137.00	DC6-48-60-18-8F	2	20.829	22.912	0.80	0.80	1.47	57.24	0.000	0.000	53.96	0.00	0.00
15	137.00	RRUS 4449 B5/B12	3	20.829	22.912	0.54	0.80	3.17	191.70	0.000	0.000	116.13	0.00	0.00
16	137.00	DMP65R-BU6DA	3	20.829	22.912	0.58	0.80	21.96	214.38	0.000	0.000	805.13	0.00	0.00
17	137.00	HPA-65R-BU6AA	3	20.829	22.912	0.85	1.00	24.63	137.70	0.000	0.000	903.02	0.00	0.00
18	137.00	7770	3	20.829	22.912	0.58	0.80	9.64	94.50	0.000	0.000	353.24	0.00	0.00
19	127.00	Commscope	6	20.383	22.421	0.63	0.75	43.05	278.64	0.000	0.000	1544.50	0.00	0.00
20	127.00	Low Profile Platform	1	20.383	22.421	1.00	1.00	22.00	1350.00	0.000	0.000	789.22	0.00	0.00
21	127.00	Samsung MT6407-77A	3	20.383	22.421	0.52	0.75	7.39	214.38	0.000	0.000	264.99	0.00	0.00
22	127.00	Antel	3	20.383	22.421	0.65	0.75	11.28	48.60	0.000	0.000	404.48	0.00	0.00
23	127.00	RFS	1	20.383	22.421	1.00	1.00	4.06	28.80	0.000	0.000	145.65	0.00	0.00
24	127.00	Samsung B2/B66A	3	20.383	22.421	0.50	0.75	2.82	227.88	0.000	0.000	101.13	0.00	0.00
25	127.00	Samsung B5/B13	3	20.383	22.421	0.50	0.75	2.82	189.81	0.000	0.000	101.13	0.00	0.00
26	127.00	Mount mod	1	20.383	22.421	1.00	1.00	12.25	462.60	0.000	0.000	439.45	0.00	0.00
							Totals:		**7,896.21**			**10,392.16**		

Total Applied Force Summary

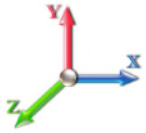
Structure:	CT46144-A-SBA		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Cammilletti Property		**Exposure:**	B	
Height:	148.34 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 15

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		309.88	969.88	0.00	0.00
10.00		303.06	950.83	0.00	0.00
15.00		296.24	931.79	0.00	0.00
20.00		289.42	912.75	0.00	0.00
25.00		282.60	893.70	0.00	0.00
30.00		276.01	874.66	0.00	0.00
35.00		281.31	855.62	0.00	0.00
40.00		284.84	836.57	0.00	0.00
45.00		286.92	817.53	0.00	0.00
47.18		124.09	349.71	0.00	0.00
47.20		1.43	6.87	0.00	0.00
50.00		162.84	769.32	0.00	0.00
52.51		145.89	680.34	0.00	0.00
55.00		144.64	335.93	0.00	0.00
57.50		145.02	333.32	0.00	0.00
60.00		144.72	329.36	0.00	0.00
65.00		289.75	646.81	0.00	0.00
70.00		287.25	630.94	0.00	0.00
75.00		284.10	615.07	0.00	0.00
80.00		280.36	599.20	0.00	0.00
85.00		276.06	583.33	0.00	0.00
90.00		271.27	567.46	0.00	0.00
95.00		266.00	551.59	0.00	0.00
95.80		41.78	86.78	0.00	0.00
95.83		1.44	2.99	0.00	0.00
99.92		214.98	648.25	0.00	0.00
100.00		4.39	6.21	0.00	0.00
105.00		257.70	361.04	0.00	0.00
105.30		15.16	21.36	0.00	0.00
110.00		235.90	330.16	0.00	0.00
115.00		244.44	342.00	0.00	0.00
120.00		237.29	332.48	0.00	0.00
125.00		229.81	322.95	0.00	0.00
127.00	(21) attachments	3879.99	2927.23	0.00	0.00
130.00		131.97	167.10	0.00	0.00
135.00		213.94	270.88	0.00	0.00
137.00	(24) attachments	3445.21	2429.85	0.00	0.00
140.00		122.07	116.36	0.00	0.00
145.00	(22) attachments	3436.34	2957.66	0.00	0.00
148.34		126.41	110.55	0.00	0.00
	Totals:	**18,272.54**	**26,476.43**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
50.00	1.5" Reinforcing plate	Yes	2.80	0.000	1.50	0.35	0.00	0.039	0.000	15.617	0.00	0.00
52.51	1.5" Reinforcing plate	Yes	2.51	0.000	1.50	0.31	0.00	0.040	0.000	15.837	0.00	0.00
55.00	1.5" Reinforcing plate	Yes	2.49	0.000	1.50	0.31	0.00	0.040	0.000	16.048	0.00	0.00
57.50	1.5" Reinforcing plate	Yes	2.50	0.000	1.50	0.31	0.00	0.040	0.000	16.253	0.00	0.00
95.83	1.5" Reinforcing plate	Yes	0.03	0.000	1.50	0.00	0.00	0.052	0.000	18.807	0.00	0.00
99.92	1.5" Reinforcing plate	Yes	4.09	0.000	1.50	0.51	0.00	0.052	0.000	19.033	0.00	0.00
100.00	1.5" Reinforcing plate	Yes	0.08	0.000	1.50	0.01	0.00	0.053	0.000	19.037	0.00	0.00
105.00	1.5" Reinforcing plate	Yes	5.00	0.000	1.50	0.63	0.00	0.054	0.000	19.304	0.00	0.00
105.30	1.5" Reinforcing plate	Yes	0.30	0.000	1.50	0.04	0.00	0.055	0.000	19.320	0.00	0.00
										Totals:	**0.0**	**0.0**

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-26.45	-18.31	0.00	-2056.0	0.00	2056.07	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.544
5.00	-25.42	-18.08	0.00	-1964.5	0.00	1964.50	3846.55	1923.28	7360.85	3685.90	0.09	-0.176	0.000	0.540
10.00	-24.42	-17.85	0.00	-1874.1	0.00	1874.10	3788.45	1894.23	7085.75	3548.14	0.37	-0.356	0.000	0.535
15.00	-23.43	-17.62	0.00	-1784.8	0.00	1784.85	3729.06	1864.53	6813.30	3411.72	0.85	-0.539	0.000	0.530
20.00	-22.46	-17.40	0.00	-1696.7	0.00	1696.74	3668.37	1834.19	6543.69	3276.71	1.51	-0.726	0.000	0.524
25.00	-21.52	-17.17	0.00	-1609.7	0.00	1609.75	3606.39	1803.19	6277.08	3143.21	2.37	-0.917	0.000	0.518
30.00	-20.59	-16.95	0.00	-1523.8	0.00	1523.88	3543.11	1771.56	6013.64	3011.29	3.44	-1.111	0.000	0.512
35.00	-19.68	-16.72	0.00	-1439.1	0.00	1439.12	3478.55	1739.27	5753.54	2881.05	4.71	-1.309	0.000	0.505
40.00	-18.79	-16.48	0.00	-1355.5	0.00	1355.50	3412.68	1706.34	5496.94	2752.56	6.18	-1.511	0.000	0.498
45.00	-17.94	-16.22	0.00	-1273.0	0.00	1273.08	3345.53	1672.76	5244.01	2625.90	7.88	-1.716	0.000	0.490
47.18	-17.58	-16.10	0.00	-1237.8	0.00	1237.80	3315.91	1657.95	5135.17	2571.40	8.68	-1.809	0.000	0.487
47.20	-17.57	-16.11	0.00	-1237.4	0.00	1237.40	3315.57	1657.78	5133.93	2570.78	8.69	-1.810	0.000	0.290
50.00	-16.78	-15.94	0.00	-1192.2	0.00	1192.29	3277.08	1638.54	4994.93	2501.18	9.77	-1.881	0.000	0.285
52.51	-16.09	-15.79	0.00	-1152.2	0.00	1152.28	2602.21	1301.11	3990.47	1998.20	10.78	-1.945	0.000	0.301
55.00	-15.74	-15.65	0.00	-1112.9	0.00	1112.95	2577.30	1288.65	3896.73	1951.26	11.81	-2.009	0.000	0.318
57.50	-15.40	-15.52	0.00	-1073.8	0.00	1073.82	2551.96	1275.98	3803.21	1904.43	12.88	-2.077	0.000	0.313
57.50	-15.40	-15.52	0.00	-1073.8	0.00	1073.82	2551.96	1275.98	3803.21	1904.43	12.88	-2.077	0.000	0.313
60.00	-15.03	-15.40	0.00	-1035.0	0.00	1035.03	2526.30	1263.15	3710.31	1857.91	13.99	-2.146	0.000	0.563
65.00	-14.33	-15.15	0.00	-958.03	0.00	958.03	2474.01	1237.00	3526.46	1765.85	16.37	-2.393	0.000	0.548
70.00	-13.65	-14.89	0.00	-882.29	0.00	882.29	2420.42	1210.21	3345.35	1675.16	19.01	-2.642	0.000	0.532
75.00	-12.98	-14.64	0.00	-807.83	0.00	807.83	2365.54	1182.77	3167.14	1585.93	21.91	-2.893	0.000	0.515
80.00	-12.33	-14.38	0.00	-734.65	0.00	734.65	2309.37	1154.68	2992.01	1498.23	25.07	-3.145	0.000	0.496
85.00	-11.71	-14.12	0.00	-662.75	0.00	662.75	2251.13	1125.57	2819.16	1411.68	28.50	-3.397	0.000	0.475
90.00	-11.10	-13.86	0.00	-592.15	0.00	592.15	2174.14	1087.07	2628.67	1316.29	32.19	-3.647	0.000	0.455
95.00	-10.53	-13.59	0.00	-522.82	0.00	522.82	2097.14	1048.57	2444.84	1224.23	36.14	-3.893	0.000	0.432
95.80	-10.44	-13.54	0.00	-511.95	0.00	511.95	2084.82	1042.41	2416.04	1209.82	36.79	-3.934	0.000	0.236
95.83	-10.43	-13.55	0.00	-511.58	0.00	511.58	2084.39	1042.20	2415.05	1209.32	36.82	-3.934	0.000	0.236
99.92	-9.78	-13.30	0.00	-456.18	0.00	456.18	1076.50	538.25	1236.95	619.40	40.23	-4.044	0.000	0.254
100.00	-9.76	-13.31	0.00	-455.05	0.00	455.05	1076.11	538.05	1235.71	618.78	40.30	-4.046	0.000	0.315
105.00	-9.40	-13.04	0.00	-388.49	0.00	388.49	1052.46	526.23	1163.02	582.37	44.62	-4.201	0.000	0.279
105.30	-9.36	-13.04	0.00	-384.58	0.00	384.58	1051.00	525.50	1158.68	580.20	44.88	-4.210	0.000	0.277
105.30	-9.36	-13.04	0.00	-384.58	0.00	384.58	1051.00	525.50	1158.68	580.20	44.88	-4.210	0.000	0.277
110.00	-9.00	-12.81	0.00	-323.30	0.00	323.30	1027.52	513.76	1090.99	546.31	49.09	-4.345	0.000	0.601
115.00	-8.61	-12.59	0.00	-259.23	0.00	259.23	1001.28	500.64	1019.81	510.66	53.82	-4.665	0.000	0.517
120.00	-8.24	-12.36	0.00	-196.28	0.00	196.28	973.75	486.88	949.64	475.53	58.85	-4.948	0.000	0.422
125.00	-7.91	-12.13	0.00	-134.47	0.00	134.47	944.93	472.47	880.64	440.98	64.16	-5.182	0.000	0.314
127.00	-5.33	-8.00	0.00	-110.22	0.00	110.22	933.04	466.52	853.41	427.34	66.35	-5.261	0.000	0.264
130.00	-5.16	-7.87	0.00	-86.21	0.00	86.21	914.81	457.41	812.99	407.10	69.68	-5.362	0.000	0.218
135.00	-4.90	-7.64	0.00	-46.87	0.00	46.87	883.40	441.70	746.85	373.98	75.36	-5.486	0.000	0.131
137.00	-2.81	-3.97	0.00	-31.60	0.00	31.60	870.48	435.24	720.86	360.97	77.67	-5.520	0.000	0.091
140.00	-2.71	-3.84	0.00	-19.67	0.00	19.67	850.70	425.35	682.40	341.71	81.14	-5.555	0.000	0.061
145.00	-0.10	-0.14	0.00	-0.46	0.00	0.46	816.70	408.35	619.79	310.35	86.97	-5.581	0.000	0.002
148.34	0.00	-0.13	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88	90.87	-5.581	0.000	0.000

Wind Loading - Shaft

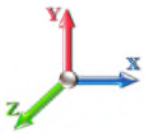
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	2.724	3.00	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	2.724	3.00	0.00	1.200	1.242	5.00	21.123	25.35	75.9	375.0	1519.6
10.00		1.00	0.70	2.724	3.00	0.00	1.200	1.331	5.00	20.755	24.91	74.6	393.9	1513.1
15.00		1.00	0.70	2.724	3.00	0.00	1.200	1.386	5.00	20.359	24.43	73.2	401.6	1495.4
20.00		1.00	0.70	2.724	3.00	0.00	1.200	1.427	5.00	19.950	23.94	71.7	404.4	1472.8
25.00		1.00	0.70	2.724	3.00	0.00	1.200	1.459	5.00	19.535	23.44	70.2	404.2	1447.2
30.00		1.00	0.70	2.726	3.00	0.00	1.200	1.486	5.00	19.115	22.94	68.8	402.2	1419.8
35.00		1.00	0.73	2.849	3.13	0.00	1.200	1.509	5.00	18.692	22.43	70.3	398.8	1391.0
40.00		1.00	0.76	2.960	3.26	0.00	1.200	1.529	5.00	18.267	21.92	71.4	394.3	1361.1
45.00		1.00	0.79	3.061	3.37	0.00	1.200	1.547	5.00	17.840	21.41	72.1	389.0	1330.5
47.18	Bot - Section 2	1.00	0.80	3.103	3.41	0.00	1.200	1.555	2.18	7.626	9.15	31.2	168.1	569.8
47.20	RB1	1.00	0.80	3.103	3.41	0.00	1.200	1.555	0.02	0.088	0.11	0.4	1.9	10.4
50.00		1.00	0.81	3.155	3.47	0.00	1.200	1.564	2.80	9.844	11.81	41.0	217.9	1160.5
52.51	Top - Section 1	1.00	0.82	3.199	3.52	0.00	1.200	1.571	2.51	8.710	10.45	36.8	193.8	1026.3
55.00		1.00	0.83	3.242	3.57	0.00	1.200	1.579	2.49	8.534	10.24	36.5	190.6	564.5
57.50	RT1	1.00	0.84	3.283	3.61	0.00	1.200	1.586	2.50	8.460	10.15	36.7	189.6	559.8
60.00		1.00	0.85	3.323	3.66	0.00	1.200	1.592	2.50	8.353	10.02	36.6	187.9	552.7
65.00		1.00	0.87	3.400	3.74	0.00	1.200	1.605	5.00	16.385	19.66	73.5	368.4	1082.2
70.00		1.00	0.89	3.473	3.82	0.00	1.200	1.617	5.00	15.952	19.14	73.1	360.7	1053.3
75.00		1.00	0.91	3.542	3.90	0.00	1.200	1.628	5.00	15.520	18.62	72.6	352.6	1024.1
80.00		1.00	0.93	3.608	3.97	0.00	1.200	1.639	5.00	15.086	18.10	71.8	344.3	994.6
85.00		1.00	0.94	3.671	4.04	0.00	1.200	1.649	5.00	14.653	17.58	71.0	335.7	964.9
90.00		1.00	0.96	3.731	4.10	0.00	1.200	1.658	5.00	14.218	17.06	70.0	326.8	934.9
95.00		1.00	0.97	3.789	4.17	0.00	1.200	1.667	5.00	13.784	16.54	68.9	317.8	904.7
95.80	RB2	1.00	0.98	3.799	4.18	0.00	1.200	1.669	0.80	2.165	2.60	10.9	50.6	142.5
95.83	Bot - Section 3	1.00	0.98	3.799	4.18	0.00	1.200	1.669	0.03	0.075	0.09	0.4	1.7	4.9
99.92	Top - Section 2	1.00	0.99	3.844	4.23	0.00	1.200	1.676	4.09	11.015	13.22	55.9	255.6	998.4
100.00		1.00	0.99	3.845	4.23	0.00	1.200	1.676	0.08	0.225	0.27	1.1	5.3	11.1
105.00		1.00	1.00	3.899	4.29	0.00	1.200	1.684	5.00	13.072	15.69	67.3	303.0	635.9
105.30	RT2	1.00	1.00	3.903	4.29	0.00	1.200	1.685	0.30	0.770	0.92	4.0	18.1	37.7
110.00		1.00	1.02	3.952	4.35	0.00	1.200	1.692	4.70	11.866	14.24	61.9	275.9	576.4
115.00		1.00	1.03	4.002	4.40	0.00	1.200	1.699	5.00	12.201	14.64	64.5	283.7	591.1
120.00		1.00	1.04	4.051	4.46	0.00	1.200	1.707	5.00	11.765	14.12	62.9	273.8	568.6
125.00		1.00	1.05	4.099	4.51	0.00	1.200	1.714	5.00	11.328	13.59	61.3	263.8	545.8
127.00	Appurtenance(s)	1.00	1.06	4.117	4.53	0.00	1.200	1.716	2.00	4.409	5.29	24.0	103.9	213.2
130.00		1.00	1.07	4.145	4.56	0.00	1.200	1.720	3.00	6.482	7.78	35.5	152.2	312.3
135.00		1.00	1.08	4.190	4.61	0.00	1.200	1.727	5.00	10.455	12.55	57.8	243.4	500.0
137.00	Appurtenance(s)	1.00	1.08	4.207	4.63	0.00	1.200	1.729	2.00	4.059	4.87	22.5	95.7	194.8
140.00		1.00	1.09	4.233	4.66	0.00	1.200	1.733	3.00	5.958	7.15	33.3	139.8	284.6
145.00	Appurtenance(s)	1.00	1.10	4.276	4.70	0.00	1.200	1.739	5.00	9.581	11.50	54.1	222.5	453.7
148.34		1.00	1.11	4.304	4.73	0.00	1.200	1.743	3.34	6.156	7.39	35.0	143.9	291.3
								Totals:	**148.34**			**2,020.7**		**30,715.7**

Discrete Appurtenance Forces

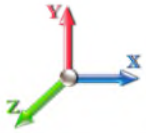
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	145.00	Ericsson 4415 B25	2	4.276	4.704	0.50	0.75	2.44	192.43	0.000	0.000	11.49	0.00	0.00
2	145.00	AIR32	2	4.276	4.704	0.65	0.75	10.03	684.55	0.000	0.000	47.18	0.00	0.00
3	145.00	APXVAALL24_43-U-NA20	2	4.276	4.704	0.55	0.75	24.24	1146.87	0.000	0.000	114.00	0.00	0.00
4	145.00	AIR6449 B41	2	4.276	4.704	0.53	0.75	7.03	457.11	0.000	0.000	33.05	0.00	0.00
5	145.00	RFS ACU-A20-N RET	4	4.276	4.704	0.50	0.75	0.88	17.76	0.000	0.000	4.12	0.00	0.00
6	145.00	HRK12 (Handrail Kit)	1	4.276	4.704	1.00	1.00	13.32	885.33	0.000	0.000	62.67	0.00	0.00
7	145.00	ALU 800 MHz RRH	4	4.276	4.704	0.50	0.75	7.30	464.84	0.000	0.000	34.32	0.00	0.00
8	145.00	Ericsson 4449 B71 + B85	2	4.276	4.704	0.50	0.75	2.55	184.73	0.000	0.000	11.99	0.00	0.00
9	145.00	ALU 800 MHz Filter	2	4.276	4.704	0.50	0.75	1.43	46.29	0.000	0.000	6.73	0.00	0.00
10	145.00	RMQP-472 (LPP)	1	4.276	4.704	1.00	1.00	54.64	2972.17	0.000	0.000	257.00	0.00	0.00
11	137.00	Low Profile Platform	1	4.207	4.628	1.00	1.00	39.50	2797.10	0.000	0.000	182.82	0.00	0.00
12	137.00	LGP 21401	6	4.207	4.628	0.80	0.80	10.17	207.57	0.000	0.000	47.05	0.00	0.00
13	137.00	RRUS 8843 B2 B66A	3	4.207	4.628	0.54	0.80	3.51	491.58	0.000	0.000	16.24	0.00	0.00
14	137.00	DC6-48-60-18-8F	2	4.207	4.628	0.80	0.80	2.17	163.45	0.000	0.000	10.03	0.00	0.00
15	137.00	RRUS 4449 B5/B12	3	4.207	4.628	0.54	0.80	4.04	373.50	0.000	0.000	18.70	0.00	0.00
16	137.00	DMP65R-BU6DA	3	4.207	4.628	0.58	0.80	24.47	959.60	0.000	0.000	113.25	0.00	0.00
17	137.00	HPA-65R-BU6AA	3	4.207	4.628	0.85	1.00	28.08	920.11	0.000	0.000	129.97	0.00	0.00
18	137.00	7770	3	4.207	4.628	0.58	0.80	11.48	527.04	0.000	0.000	53.15	0.00	0.00
19	127.00	Commscope	6	4.117	4.529	0.63	0.75	49.21	1916.79	0.000	0.000	222.86	0.00	0.00
20	127.00	Low Profile Platform	1	4.117	4.529	1.00	1.00	39.37	2787.31	0.000	0.000	178.30	0.00	0.00
21	127.00	Samsung MT6407-77A	3	4.117	4.529	0.52	0.75	8.85	637.32	0.000	0.000	40.09	0.00	0.00
22	127.00	Antel	3	4.117	4.529	0.65	0.75	15.84	329.68	0.000	0.000	71.75	0.00	0.00
23	127.00	RFS	1	4.117	4.529	1.00	1.00	4.87	121.85	0.000	0.000	22.05	0.00	0.00
24	127.00	Samsung B2/B66A	3	4.117	4.529	0.50	0.75	3.67	528.82	0.000	0.000	16.61	0.00	0.00
25	127.00	Samsung B5/B13	3	4.117	4.529	0.50	0.75	3.67	456.86	0.000	0.000	16.61	0.00	0.00
26	127.00	Mount mod	1	4.117	4.529	1.00	1.00	24.02	1730.72	0.000	0.000	108.80	0.00	0.00
							Totals:		**22,001.37**			**1,830.85**		

Total Applied Force Summary

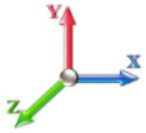
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		75.95	1668.16	0.00	0.00
10.00		74.62	1661.70	0.00	0.00
15.00		73.20	1644.00	0.00	0.00
20.00		71.73	1621.35	0.00	0.00
25.00		70.24	1595.82	0.00	0.00
30.00		68.79	1568.38	0.00	0.00
35.00		70.29	1539.57	0.00	0.00
40.00		71.37	1509.72	0.00	0.00
45.00		72.08	1479.04	0.00	0.00
47.18		31.23	634.41	0.00	0.00
47.20		0.36	11.11	0.00	0.00
50.00		40.99	1268.96	0.00	0.00
52.51		36.78	1123.67	0.00	0.00
55.00		36.51	661.24	0.00	0.00
57.50		36.66	657.04	0.00	0.00
60.00		36.64	627.02	0.00	0.00
65.00		73.54	1230.80	0.00	0.00
70.00		73.13	1201.92	0.00	0.00
75.00		72.56	1172.70	0.00	0.00
80.00		71.85	1143.20	0.00	0.00
85.00		71.00	1113.44	0.00	0.00
90.00		70.03	1083.44	0.00	0.00
95.00		68.95	1053.23	0.00	0.00
95.80		10.85	166.32	0.00	0.00
95.83		0.37	6.01	0.00	0.00
99.92		55.90	1160.20	0.00	0.00
100.00		1.14	14.41	0.00	0.00
105.00		67.28	834.05	0.00	0.00
105.30		3.97	49.61	0.00	0.00
110.00		61.89	716.07	0.00	0.00
115.00		64.45	739.72	0.00	0.00
120.00		62.91	717.14	0.00	0.00
125.00		61.29	694.41	0.00	0.00
127.00	(21) attachments	701.04	8781.93	0.00	0.00
130.00		35.46	374.99	0.00	0.00
135.00		57.82	604.54	0.00	0.00
137.00	(24) attachments	593.75	6676.56	0.00	0.00
140.00		33.29	294.93	0.00	0.00
145.00	(22) attachments	636.65	7522.97	0.00	0.00
148.34		34.98	291.29	0.00	0.00
	Totals:	**3,851.55**	**56,915.10**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

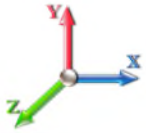
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
50.00	1.5" Reinforcing plate	Yes	2.80	0.000	1.50	1.08	0.00	0.039	0.000	3.155	0.00	25.26
52.51	1.5" Reinforcing plate	Yes	2.51	0.000	1.50	0.97	0.00	0.040	0.000	3.199	0.00	22.79
55.00	1.5" Reinforcing plate	Yes	2.49	0.000	1.50	0.97	0.00	0.040	0.000	3.242	0.00	22.74
57.50	1.5" Reinforcing plate	Yes	2.50	0.000	1.50	0.97	0.00	0.040	0.000	3.283	0.00	22.96
95.83	1.5" Reinforcing plate	Yes	0.03	0.000	1.50	0.01	0.00	0.052	0.000	3.799	0.00	0.27
99.92	1.5" Reinforcing plate	Yes	4.09	0.000	1.50	1.65	0.00	0.052	0.000	3.844	0.00	40.30
100.00	1.5" Reinforcing plate	Yes	0.08	0.000	1.50	0.03	0.00	0.053	0.000	3.845	0.00	0.84
105.00	1.5" Reinforcing plate	Yes	5.00	0.000	1.50	2.03	0.00	0.054	0.000	3.899	0.00	49.61
105.30	1.5" Reinforcing plate	Yes	0.30	0.000	1.50	0.12	0.00	0.055	0.000	3.903	0.00	2.98
										Totals:	**0.0**	**187.8**

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-56.91	-3.87	0.00	-439.78	0.00	439.78	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.130
5.00	-55.24	-3.83	0.00	-420.43	0.00	420.43	3846.55	1923.28	7360.85	3685.90	0.02	-0.038	0.000	0.128
10.00	-53.58	-3.79	0.00	-401.28	0.00	401.28	3788.45	1894.23	7085.75	3548.14	0.08	-0.076	0.000	0.127
15.00	-51.93	-3.75	0.00	-382.32	0.00	382.32	3729.06	1864.53	6813.30	3411.72	0.18	-0.115	0.000	0.126
20.00	-50.31	-3.71	0.00	-363.57	0.00	363.57	3668.37	1834.19	6543.69	3276.71	0.32	-0.155	0.000	0.125
25.00	-48.71	-3.67	0.00	-345.02	0.00	345.02	3606.39	1803.19	6277.08	3143.21	0.51	-0.196	0.000	0.123
30.00	-47.14	-3.63	0.00	-326.67	0.00	326.67	3543.11	1771.56	6013.64	3011.29	0.74	-0.238	0.000	0.122
35.00	-45.60	-3.59	0.00	-308.52	0.00	308.52	3478.55	1739.27	5753.54	2881.05	1.01	-0.280	0.000	0.120
40.00	-44.09	-3.54	0.00	-290.58	0.00	290.58	3412.68	1706.34	5496.94	2752.56	1.32	-0.324	0.000	0.118
45.00	-42.61	-3.48	0.00	-272.88	0.00	272.88	3345.53	1672.76	5244.01	2625.90	1.69	-0.368	0.000	0.117
47.18	-41.97	-3.46	0.00	-265.30	0.00	265.30	3315.91	1657.95	5135.17	2571.40	1.86	-0.388	0.000	0.116
47.20	-41.96	-3.46	0.00	-265.21	0.00	265.21	3315.57	1657.78	5133.93	2570.78	1.86	-0.388	0.000	0.069
50.00	-40.69	-3.42	0.00	-255.52	0.00	255.52	3277.08	1638.54	4994.93	2501.18	2.09	-0.403	0.000	0.068
52.51	-39.57	-3.39	0.00	-246.93	0.00	246.93	2602.21	1301.11	3990.47	1998.20	2.31	-0.417	0.000	0.072
55.00	-38.90	-3.35	0.00	-238.50	0.00	238.50	2577.30	1288.65	3896.73	1951.26	2.53	-0.430	0.000	0.076
57.50	-38.25	-3.32	0.00	-230.12	0.00	230.12	2551.96	1275.98	3803.21	1904.43	2.76	-0.445	0.000	0.075
57.50	-38.25	-3.32	0.00	-230.12	0.00	230.12	2551.96	1275.98	3803.21	1904.43	2.76	-0.445	0.000	0.075
60.00	-37.62	-3.30	0.00	-221.81	0.00	221.81	2526.30	1263.15	3710.31	1857.91	3.00	-0.460	0.000	0.134
65.00	-36.38	-3.25	0.00	-205.29	0.00	205.29	2474.01	1237.00	3526.46	1765.85	3.51	-0.513	0.000	0.131
70.00	-35.18	-3.20	0.00	-189.03	0.00	189.03	2420.42	1210.21	3345.35	1675.16	4.07	-0.566	0.000	0.127
75.00	-34.01	-3.15	0.00	-173.02	0.00	173.02	2365.54	1182.77	3167.14	1585.93	4.69	-0.620	0.000	0.123
80.00	-32.86	-3.10	0.00	-157.27	0.00	157.27	2309.37	1154.68	2992.01	1498.23	5.37	-0.674	0.000	0.119
85.00	-31.74	-3.04	0.00	-141.80	0.00	141.80	2251.13	1125.57	2819.16	1411.68	6.11	-0.728	0.000	0.115
90.00	-30.66	-2.98	0.00	-126.59	0.00	126.59	2174.14	1087.07	2628.67	1316.29	6.90	-0.781	0.000	0.110
95.00	-29.61	-2.92	0.00	-111.67	0.00	111.67	2097.14	1048.57	2444.84	1224.23	7.74	-0.834	0.000	0.105
95.80	-29.44	-2.91	0.00	-109.34	0.00	109.34	2084.82	1042.41	2416.04	1209.82	7.88	-0.842	0.000	0.058
95.83	-29.43	-2.91	0.00	-109.26	0.00	109.26	2084.39	1042.20	2415.05	1209.32	7.89	-0.843	0.000	0.058
99.92	-28.27	-2.84	0.00	-97.36	0.00	97.36	1076.50	538.25	1236.95	619.40	8.62	-0.866	0.000	0.063
100.00	-28.26	-2.85	0.00	-97.12	0.00	97.12	1076.11	538.05	1235.71	618.78	8.64	-0.866	0.000	0.078
105.00	-27.42	-2.78	0.00	-82.87	0.00	82.87	1052.46	526.23	1163.02	582.37	9.56	-0.900	0.000	0.070
105.30	-27.37	-2.78	0.00	-82.03	0.00	82.03	1051.00	525.50	1158.68	580.20	9.62	-0.902	0.000	0.070
105.30	-27.37	-2.78	0.00	-82.03	0.00	82.03	1051.00	525.50	1158.68	580.20	9.62	-0.902	0.000	0.070
110.00	-26.66	-2.73	0.00	-68.96	0.00	68.96	1027.52	513.76	1090.99	546.31	10.52	-0.930	0.000	0.152
115.00	-25.91	-2.68	0.00	-55.30	0.00	55.30	1001.28	500.64	1019.81	510.66	11.53	-0.998	0.000	0.134
120.00	-25.20	-2.63	0.00	-41.89	0.00	41.89	973.75	486.88	949.64	475.53	12.61	-1.059	0.000	0.114
125.00	-24.50	-2.57	0.00	-28.73	0.00	28.73	944.93	472.47	880.64	440.98	13.75	-1.109	0.000	0.091
127.00	-15.73	-1.70	0.00	-23.58	0.00	23.58	933.04	466.52	853.41	427.34	14.22	-1.126	0.000	0.072
130.00	-15.36	-1.67	0.00	-18.47	0.00	18.47	914.81	457.41	812.99	407.10	14.93	-1.147	0.000	0.062
135.00	-14.76	-1.60	0.00	-10.13	0.00	10.13	883.40	441.70	746.85	373.98	16.15	-1.174	0.000	0.044
137.00	-8.09	-0.87	0.00	-6.93	0.00	6.93	870.48	435.24	720.86	360.97	16.64	-1.181	0.000	0.028
140.00	-7.80	-0.83	0.00	-4.31	0.00	4.31	850.70	425.35	682.40	341.71	17.39	-1.189	0.000	0.022
145.00	-0.29	-0.04	0.00	-0.14	0.00	0.14	816.70	408.35	619.79	310.35	18.64	-1.195	0.000	0.001
148.34	0.00	-0.03	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88	19.47	-1.195	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		953.83	0.00	0.03	0.02	17.77	
10.00		932.67	0.01	0.05	0.03	24.97	
15.00		911.51	0.02	0.06	0.04	27.99	
20.00		890.35	0.03	0.07	0.04	29.13	
25.00		869.19	0.05	0.07	0.04	29.45	
30.00		848.03	0.08	0.07	0.04	29.49	
35.00		826.87	0.11	0.07	0.04	29.46	
40.00		805.71	0.14	0.07	0.03	29.37	
45.00		784.56	0.17	0.07	0.03	29.05	
47.18	Bot - Section 2	334.70	0.19	0.06	0.02	12.42	
47.20	RB1	7.02	0.19	0.06	0.02	0.26	
50.00		785.47	0.21	0.06	0.02	29.00	
52.51	Top - Section 1	693.78	0.24	0.06	0.02	25.27	
55.00		311.60	0.26	0.05	0.02	11.07	
57.50	RT1	308.45	0.28	0.05	0.01	10.51	
60.00		304.05	0.31	0.04	0.01	9.73	
65.00		594.87	0.36	0.03	0.01	15.22	
70.00		577.23	0.42	0.01	0.01	9.09	
75.00		559.60	0.48	-0.01	0.01	1.65	
80.00		541.97	0.55	-0.03	0.01	-6.01	
85.00		524.34	0.62	-0.06	0.02	-12.50	
90.00		506.70	0.70	-0.09	0.03	-16.73	
95.00		489.07	0.78	-0.11	0.05	-18.29	
95.80	RB2	76.62	0.79	-0.11	0.05	-2.88	
95.83	Bot - Section 3	2.64	0.79	-0.11	0.05	-0.10	
99.92	Top - Section 2	619.07	0.86	-0.12	0.07	-22.66	
100.00		4.80	0.86	-0.12	0.07	-0.18	
105.00		277.35	0.95	-0.12	0.11	-8.46	
105.30	RT2	16.30	0.95	-0.12	0.11	-0.49	
110.00		250.46	1.04	-0.10	0.15	-4.86	
115.00		256.19	1.14	-0.05	0.21	-0.86	
120.00		245.61	1.24	0.04	0.28	4.34	
125.00		235.03	1.34	0.18	0.37	10.28	
127.00	Appurtenance(s)	3202.9	1.39	0.26	0.42	177.95	
130.00		133.40	1.45	0.39	0.49	9.98	
135.00		213.87	1.57	0.68	0.62	23.77	
137.00	Appurtenance(s)	2664.9	1.61	0.82	0.69	338.86	
140.00		120.70	1.68	1.06	0.79	18.44	
145.00	Appurtenance(s)	3271.9	1.81	1.57	0.99	653.80	
148.34		122.84	1.89	1.98	1.14	28.79	
	Totals:	**26,076.4**				**1,543.1**	**Total Wind:** **18,272.5**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-35.30	-1.64	0.00	-201.58	0.00	201.58	3903.36	1951.68	7638.46	3824.91		0.00	0.00	0.062
5.00	-34.01	-1.63	0.00	-193.38	0.00	193.38	3846.55	1923.28	7360.85	3685.90		0.01	-0.02	0.061
10.00	-32.74	-1.62	0.00	-185.21	0.00	185.21	3788.45	1894.23	7085.75	3548.14		0.04	-0.04	0.061
15.00	-31.50	-1.60	0.00	-177.12	0.00	177.12	3729.06	1864.53	6813.30	3411.72		0.08	-0.05	0.060
20.00	-30.28	-1.58	0.00	-169.12	0.00	169.12	3668.37	1834.19	6543.69	3276.71		0.15	-0.07	0.060
25.00	-29.09	-1.56	0.00	-161.23	0.00	161.23	3606.39	1803.19	6277.08	3143.21		0.23	-0.09	0.059
30.00	-27.92	-1.54	0.00	-153.44	0.00	153.44	3543.11	1771.56	6013.64	3011.29		0.34	-0.11	0.059
35.00	-26.78	-1.51	0.00	-145.76	0.00	145.76	3478.55	1739.27	5753.54	2881.05		0.47	-0.13	0.058
40.00	-25.66	-1.49	0.00	-138.19	0.00	138.19	3412.68	1706.34	5496.94	2752.56		0.61	-0.15	0.058
45.00	-24.57	-1.47	0.00	-130.74	0.00	130.74	3345.53	1672.76	5244.01	2625.90		0.78	-0.17	0.057
47.18	-24.11	-1.45	0.00	-127.55	0.00	127.55	3315.91	1657.95	5135.17	2571.40		0.86	-0.18	0.057
47.20	-24.10	-1.45	0.00	-127.52	0.00	127.52	3315.57	1657.78	5133.93	2570.78		0.86	-0.18	0.034
50.00	-23.07	-1.43	0.00	-123.44	0.00	123.44	3277.08	1638.54	4994.93	2501.18		0.97	-0.19	0.034
52.51	-22.16	-1.40	0.00	-119.87	0.00	119.87	2602.21	1301.11	3990.47	1998.20		1.07	-0.20	0.035
55.00	-21.72	-1.39	0.00	-116.38	0.00	116.38	2577.30	1288.65	3896.73	1951.26		1.18	-0.20	0.038
57.50	-21.27	-1.38	0.00	-112.91	0.00	112.91	2551.96	1275.98	3803.21	1904.43		1.29	-0.21	0.037
57.50	-21.27	-1.38	0.00	-112.91	0.00	112.91	2551.96	1275.98	3803.21	1904.43		1.29	-0.21	0.037
60.00	-20.83	-1.37	0.00	-109.46	0.00	109.46	2526.30	1263.15	3710.31	1857.91		1.40	-0.22	0.067
65.00	-19.97	-1.37	0.00	-102.59	0.00	102.59	2474.01	1237.00	3526.46	1765.85		1.64	-0.24	0.066
70.00	-19.13	-1.36	0.00	-95.76	0.00	95.76	2420.42	1210.21	3345.35	1675.16		1.91	-0.27	0.065
75.00	-18.31	-1.36	0.00	-88.95	0.00	88.95	2365.54	1182.77	3167.14	1585.93		2.20	-0.30	0.064
80.00	-17.51	-1.37	0.00	-82.13	0.00	82.13	2309.37	1154.68	2992.01	1498.23		2.53	-0.33	0.062
85.00	-16.73	-1.37	0.00	-75.29	0.00	75.29	2251.13	1125.57	2819.16	1411.68		2.89	-0.35	0.061
90.00	-15.97	-1.38	0.00	-68.42	0.00	68.42	2174.14	1087.07	2628.67	1316.29		3.27	-0.38	0.059
95.00	-15.24	-1.38	0.00	-61.54	0.00	61.54	2097.14	1048.57	2444.84	1224.23		3.69	-0.41	0.058
95.80	-15.12	-1.38	0.00	-60.44	0.00	60.44	2084.82	1042.41	2416.04	1209.82		3.76	-0.42	0.032
95.83	-15.12	-1.38	0.00	-60.41	0.00	60.41	2084.39	1042.20	2415.05	1209.32		3.76	-0.42	0.032
99.92	-14.25	-1.37	0.00	-54.78	0.00	54.78	1076.50	538.25	1236.95	619.40		4.12	-0.43	0.035
100.00	-14.24	-1.37	0.00	-54.66	0.00	54.66	1076.11	538.05	1235.71	618.78		4.13	-0.43	0.043
105.00	-13.76	-1.37	0.00	-47.79	0.00	47.79	1052.46	526.23	1163.02	582.37		4.59	-0.45	0.040
105.30	-13.73	-1.38	0.00	-47.38	0.00	47.38	1051.00	525.50	1158.68	580.20		4.61	-0.45	0.039
105.30	-13.73	-1.38	0.00	-47.38	0.00	47.38	1051.00	525.50	1158.68	580.20		4.61	-0.45	0.039
110.00	-13.29	-1.38	0.00	-40.91	0.00	40.91	1027.52	513.76	1090.99	546.31		5.06	-0.47	0.088
115.00	-12.83	-1.38	0.00	-34.02	0.00	34.02	1001.28	500.64	1019.81	510.66		5.58	-0.51	0.079
120.00	-12.39	-1.38	0.00	-27.10	0.00	27.10	973.75	486.88	949.64	475.53		6.13	-0.54	0.070
125.00	-11.96	-1.37	0.00	-20.19	0.00	20.19	944.93	472.47	880.64	440.98		6.72	-0.58	0.058
127.00	-8.06	-1.16	0.00	-17.44	0.00	17.44	933.04	466.52	853.41	427.34		6.96	-0.59	0.049
130.00	-7.84	-1.15	0.00	-13.97	0.00	13.97	914.81	457.41	812.99	407.10		7.34	-0.61	0.043
135.00	-7.47	-1.12	0.00	-8.23	0.00	8.23	883.40	441.70	746.85	373.98		7.98	-0.63	0.030
137.00	-4.24	-0.75	0.00	-5.99	0.00	5.99	870.48	435.24	720.86	360.97		8.25	-0.63	0.021
140.00	-4.08	-0.73	0.00	-3.74	0.00	3.74	850.70	425.35	682.40	341.71		8.65	-0.64	0.016
145.00	-0.15	-0.03	0.00	-0.10	0.00	0.10	816.70	408.35	619.79	310.35		9.32	-0.65	0.001
148.34	0.00	-0.03	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88		9.77	-0.65	0.000

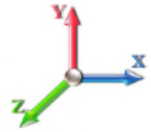
Seismic Segment Forces (Factored)

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E

Gust Response Factor	1.10			**Sds**	0.19	**Iterations**	23
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**S1**	0.07
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		953.83	0.00	0.03	0.02	17.77	
10.00		932.67	0.01	0.05	0.03	24.97	
15.00		911.51	0.02	0.06	0.04	27.99	
20.00		890.35	0.03	0.07	0.04	29.13	
25.00		869.19	0.05	0.07	0.04	29.45	
30.00		848.03	0.08	0.07	0.04	29.49	
35.00		826.87	0.11	0.07	0.04	29.46	
40.00		805.71	0.14	0.07	0.03	29.37	
45.00		784.56	0.17	0.07	0.03	29.05	
47.18	Bot - Section 2	334.70	0.19	0.06	0.02	12.42	
47.20	RB1	7.02	0.19	0.06	0.02	0.26	
50.00		785.47	0.21	0.06	0.02	29.00	
52.51	Top - Section 1	693.78	0.24	0.06	0.02	25.27	
55.00		311.60	0.26	0.05	0.02	11.07	
57.50	RT1	308.45	0.28	0.05	0.01	10.51	
60.00		304.05	0.31	0.04	0.01	9.73	
65.00		594.87	0.36	0.03	0.01	15.22	
70.00		577.23	0.42	0.01	0.01	9.09	
75.00		559.60	0.48	-0.01	0.01	1.65	
80.00		541.97	0.55	-0.03	0.01	-6.01	
85.00		524.34	0.62	-0.06	0.02	-12.50	
90.00		506.70	0.70	-0.09	0.03	-16.73	
95.00		489.07	0.78	-0.11	0.05	-18.29	
95.80	RB2	76.62	0.79	-0.11	0.05	-2.88	
95.83	Bot - Section 3	2.64	0.79	-0.11	0.05	-0.10	
99.92	Top - Section 2	619.07	0.86	-0.12	0.07	-22.66	
100.00		4.80	0.86	-0.12	0.07	-0.18	
105.00		277.35	0.95	-0.12	0.11	-8.46	
105.30	RT2	16.30	0.95	-0.12	0.11	-0.49	
110.00		250.46	1.04	-0.10	0.15	-4.86	
115.00		256.19	1.14	-0.05	0.21	-0.86	
120.00		245.61	1.24	0.04	0.28	4.34	
125.00		235.03	1.34	0.18	0.37	10.28	
127.00	Appurtenance(s)	3202.9	1.39	0.26	0.42	177.95	
130.00		133.40	1.45	0.39	0.49	9.98	
135.00		213.87	1.57	0.68	0.62	23.77	
137.00	Appurtenance(s)	2664.9	1.61	0.82	0.69	338.86	
140.00		120.70	1.68	1.06	0.79	18.44	
145.00	Appurtenance(s)	3271.9	1.81	1.57	0.99	653.80	
148.34		122.84	1.89	1.98	1.14	28.79	
	Totals:	**26,076.4**				**1,543.1**	**Total Wind:** **18,272.5**

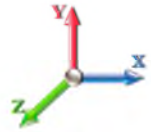
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.17
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**Seismic Importance Factor**			1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-26.48	-1.64	0.00	-198.61	0.00	198.61	3903.36	1951.68	7638.46	3824.91		0.00	0.00	0.059
5.00	-25.51	-1.63	0.00	-190.41	0.00	190.41	3846.55	1923.28	7360.85	3685.90		0.01	-0.02	0.058
10.00	-24.55	-1.61	0.00	-182.26	0.00	182.26	3788.45	1894.23	7085.75	3548.14		0.04	-0.03	0.058
15.00	-23.62	-1.59	0.00	-174.20	0.00	174.20	3729.06	1864.53	6813.30	3411.72		0.08	-0.05	0.057
20.00	-22.71	-1.57	0.00	-166.24	0.00	166.24	3668.37	1834.19	6543.69	3276.71		0.15	-0.07	0.057
25.00	-21.81	-1.54	0.00	-158.40	0.00	158.40	3606.39	1803.19	6277.08	3143.21		0.23	-0.09	0.056
30.00	-20.94	-1.52	0.00	-150.68	0.00	150.68	3543.11	1771.56	6013.64	3011.29		0.33	-0.11	0.056
35.00	-20.08	-1.50	0.00	-143.08	0.00	143.08	3478.55	1739.27	5753.54	2881.05		0.46	-0.13	0.055
40.00	-19.25	-1.47	0.00	-135.60	0.00	135.60	3412.68	1706.34	5496.94	2752.56		0.60	-0.15	0.055
45.00	-18.43	-1.45	0.00	-128.24	0.00	128.24	3345.53	1672.76	5244.01	2625.90		0.77	-0.17	0.054
47.18	-18.08	-1.43	0.00	-125.10	0.00	125.10	3315.91	1657.95	5135.17	2571.40		0.85	-0.18	0.054
47.20	-18.07	-1.43	0.00	-125.06	0.00	125.06	3315.57	1657.78	5133.93	2570.78		0.85	-0.18	0.032
50.00	-17.30	-1.40	0.00	-121.05	0.00	121.05	3277.08	1638.54	4994.93	2501.18		0.96	-0.19	0.032
52.51	-16.62	-1.38	0.00	-117.52	0.00	117.52	2602.21	1301.11	3990.47	1998.20		1.06	-0.19	0.034
55.00	-16.29	-1.37	0.00	-114.09	0.00	114.09	2577.30	1288.65	3896.73	1951.26		1.16	-0.20	0.036
57.50	-15.95	-1.36	0.00	-110.66	0.00	110.66	2551.96	1275.98	3803.21	1904.43		1.26	-0.21	0.035
57.50	-15.95	-1.36	0.00	-110.66	0.00	110.66	2551.96	1275.98	3803.21	1904.43		1.26	-0.21	0.035
60.00	-15.62	-1.35	0.00	-107.27	0.00	107.27	2526.30	1263.15	3710.31	1857.91		1.37	-0.21	0.064
65.00	-14.98	-1.34	0.00	-100.50	0.00	100.50	2474.01	1237.00	3526.46	1765.85		1.61	-0.24	0.063
70.00	-14.34	-1.34	0.00	-93.79	0.00	93.79	2420.42	1210.21	3345.35	1675.16		1.87	-0.26	0.062
75.00	-13.73	-1.34	0.00	-87.11	0.00	87.11	2365.54	1182.77	3167.14	1585.93		2.17	-0.29	0.061
80.00	-13.13	-1.34	0.00	-80.42	0.00	80.42	2309.37	1154.68	2992.01	1498.23		2.49	-0.32	0.059
85.00	-12.54	-1.34	0.00	-73.71	0.00	73.71	2251.13	1125.57	2819.16	1411.68		2.83	-0.35	0.058
90.00	-11.98	-1.35	0.00	-66.99	0.00	66.99	2174.14	1087.07	2628.67	1316.29		3.21	-0.37	0.056
95.00	-11.42	-1.35	0.00	-60.26	0.00	60.26	2097.14	1048.57	2444.84	1224.23		3.62	-0.40	0.055
95.80	-11.34	-1.35	0.00	-59.18	0.00	59.18	2084.82	1042.41	2416.04	1209.82		3.69	-0.41	0.030
95.83	-11.33	-1.35	0.00	-59.14	0.00	59.14	2084.39	1042.20	2415.05	1209.32		3.69	-0.41	0.030
99.92	-10.69	-1.34	0.00	-53.64	0.00	53.64	1076.50	538.25	1236.95	619.40		4.04	-0.42	0.033
100.00	-10.68	-1.35	0.00	-53.52	0.00	53.52	1076.11	538.05	1235.71	618.78		4.05	-0.42	0.041
105.00	-10.32	-1.34	0.00	-46.79	0.00	46.79	1052.46	526.23	1163.02	582.37		4.50	-0.44	0.037
105.30	-10.30	-1.35	0.00	-46.39	0.00	46.39	1051.00	525.50	1158.68	580.20		4.53	-0.44	0.037
105.30	-10.30	-1.35	0.00	-46.39	0.00	46.39	1051.00	525.50	1158.68	580.20		4.53	-0.44	0.037
110.00	-9.97	-1.35	0.00	-40.06	0.00	40.06	1027.52	513.76	1090.99	546.31		4.97	-0.46	0.083
115.00	-9.62	-1.35	0.00	-33.32	0.00	33.32	1001.28	500.64	1019.81	510.66		5.47	-0.50	0.075
120.00	-9.29	-1.35	0.00	-26.56	0.00	26.56	973.75	486.88	949.64	475.53		6.01	-0.53	0.065
125.00	-8.97	-1.34	0.00	-19.80	0.00	19.80	944.93	472.47	880.64	440.98		6.59	-0.57	0.054
127.00	-6.04	-1.14	0.00	-17.12	0.00	17.12	933.04	466.52	853.41	427.34		6.83	-0.58	0.047
130.00	-5.87	-1.13	0.00	-13.72	0.00	13.72	914.81	457.41	812.99	407.10		7.20	-0.59	0.040
135.00	-5.60	-1.10	0.00	-8.09	0.00	8.09	883.40	441.70	746.85	373.98		7.84	-0.62	0.028
137.00	-3.18	-0.74	0.00	-5.89	0.00	5.89	870.48	435.24	720.86	360.97		8.09	-0.62	0.020
140.00	-3.06	-0.72	0.00	-3.68	0.00	3.68	850.70	425.35	682.40	341.71		8.49	-0.63	0.014
145.00	-0.11	-0.03	0.00	-0.10	0.00	0.10	816.70	408.35	619.79	310.35		9.15	-0.63	0.000
148.34	0.00	-0.03	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88		9.59	-0.63	0.000

Wind Loading - Shaft

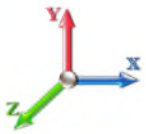
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	203.90	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	199.46	0.650	0.000	5.00	20.087	13.06	88.0	0.0	953.8
10.00		1.00	0.70	6.129	6.74	195.02	0.650	0.000	5.00	19.645	12.77	86.1	0.0	932.7
15.00		1.00	0.70	6.129	6.74	190.58	0.650	0.000	5.00	19.203	12.48	84.1	0.0	911.5
20.00		1.00	0.70	6.129	6.74	186.14	0.650	0.000	5.00	18.761	12.19	82.2	0.0	890.4
25.00		1.00	0.70	6.129	6.74	181.70	0.650	0.000	5.00	18.319	11.91	80.3	0.0	869.2
30.00		1.00	0.70	6.134	6.75	177.34	0.650	0.000	5.00	17.877	11.62	78.4	0.0	848.0
35.00		1.00	0.73	6.410	7.05	176.75	0.650	0.000	5.00	17.435	11.33	79.9	0.0	826.9
40.00		1.00	0.76	6.659	7.33	175.53	0.650	0.000	5.00	16.993	11.05	80.9	0.0	805.7
45.00		1.00	0.79	6.887	7.58	173.80	0.650	0.000	5.00	16.551	10.76	81.5	0.0	784.6
47.18	Bot - Section 2	1.00	0.80	6.981	7.68	172.91	0.650	0.000	2.18	7.062	4.59	35.2	0.0	334.7
47.20	RB1	1.00	0.80	6.982	7.68	172.90	0.650	0.000	0.02	0.081	0.05	0.4	0.0	7.0
50.00		1.00	0.81	7.098	7.81	171.66	0.650	0.000	2.80	9.114	5.92	46.3	0.0	785.5
52.51	Top - Section 1	1.00	0.82	7.198	7.92	170.45	0.650	0.000	2.51	8.053	5.23	41.4	0.0	693.8
55.00		1.00	0.83	7.294	8.02	172.07	0.650	0.000	2.49	7.878	5.12	41.1	0.0	311.6
57.50	RT1	1.00	0.84	7.387	8.13	170.73	0.650	0.000	2.50	7.800	5.07	41.2	0.0	308.5
60.00		1.00	0.85	7.477	8.22	169.32	0.650	0.000	2.50	7.689	5.00	41.1	0.0	304.0
65.00		1.00	0.87	7.650	8.42	166.30	0.650	0.000	5.00	15.047	9.78	82.3	0.0	594.9
70.00		1.00	0.89	7.814	8.60	163.06	0.650	0.000	5.00	14.605	9.49	81.6	0.0	577.2
75.00		1.00	0.91	7.969	8.77	159.62	0.650	0.000	5.00	14.163	9.21	80.7	0.0	559.6
80.00		1.00	0.93	8.118	8.93	155.99	0.650	0.000	5.00	13.721	8.92	79.6	0.0	542.0
85.00		1.00	0.94	8.260	9.09	152.19	0.650	0.000	5.00	13.278	8.63	78.4	0.0	524.3
90.00		1.00	0.96	8.396	9.24	148.24	0.650	0.000	5.00	12.836	8.34	77.1	0.0	506.7
95.00		1.00	0.97	8.526	9.38	144.16	0.650	0.000	5.00	12.394	8.06	75.6	0.0	489.1
95.80	RB2	1.00	0.98	8.547	9.40	143.49	0.650	0.000	0.80	1.942	1.26	11.9	0.0	76.6
95.83	Bot - Section 3	1.00	0.98	8.547	9.40	143.47	0.650	0.000	0.03	0.067	0.04	0.4	0.0	2.6
99.92	Top - Section 2	1.00	0.99	8.650	9.52	140.02	0.650	0.000	4.09	9.874	6.42	61.1	0.0	619.1
100.00		1.00	0.99	8.652	9.52	141.84	0.650	0.000	0.08	0.202	0.13	1.2	0.0	4.8
105.00		1.00	1.00	8.774	9.65	137.52	0.650	0.000	5.00	11.669	7.58	73.2	0.0	277.3
105.30	RT2	1.00	1.00	8.781	9.66	137.25	0.650	0.000	0.30	0.686	0.45	4.3	0.0	16.3
110.00		1.00	1.02	8.891	9.78	133.09	0.650	0.000	4.70	10.541	6.85	67.0	0.0	250.5
115.00		1.00	1.03	9.005	9.91	128.56	0.650	0.000	5.00	10.785	7.01	69.4	0.0	256.2
120.00		1.00	1.04	9.115	10.03	123.93	0.650	0.000	5.00	10.343	6.72	67.4	0.0	245.6
125.00		1.00	1.05	9.222	10.14	119.21	0.650	0.000	5.00	9.900	6.44	65.3	0.0	235.0
127.00	Appurtenance(s)	1.00	1.06	9.264	10.19	117.29	0.650	0.000	2.00	3.836	2.49	25.4	0.0	91.0
130.00		1.00	1.07	9.326	10.26	114.40	0.650	0.000	3.00	5.622	3.65	37.5	0.0	133.4
135.00		1.00	1.08	9.427	10.37	109.52	0.650	0.000	5.00	9.016	5.86	60.8	0.0	213.9
137.00	Appurtenance(s)	1.00	1.08	9.466	10.41	107.54	0.650	0.000	2.00	3.483	2.26	23.6	0.0	82.6
140.00		1.00	1.09	9.525	10.48	104.55	0.650	0.000	3.00	5.091	3.31	34.7	0.0	120.7
145.00	Appurtenance(s)	1.00	1.10	9.621	10.58	99.52	0.650	0.000	5.00	8.132	5.29	55.9	0.0	192.7
148.34		1.00	1.11	9.684	10.65	96.11	0.650	0.000	3.34	5.186	3.37	35.9	0.0	122.8
								Totals:	**148.34**			**2,238.5**		**17,302.8**

Discrete Appurtenance Forces

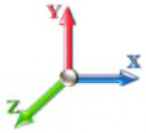
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	145.00	Ericsson 4415 B25	2	9.621	10.583	0.50	0.75	1.87	92.00	0.000	0.000	19.78	0.00	0.00
2	145.00	AIR32	2	9.621	10.583	0.65	0.75	8.50	264.40	0.000	0.000	89.91	0.00	0.00
3	145.00	APXVAALL24_43-U-NA20	2	9.621	10.583	0.55	0.75	22.16	245.60	0.000	0.000	234.56	0.00	0.00
4	145.00	AIR6449 B41	2	9.621	10.583	0.53	0.75	6.02	206.00	0.000	0.000	63.68	0.00	0.00
5	145.00	RFS ACU-A20-N RET	4	9.621	10.583	0.50	0.75	0.28	4.16	0.000	0.000	2.98	0.00	0.00
6	145.00	HRK12 (Handrail Kit)	1	9.621	10.583	1.00	1.00	6.75	261.72	0.000	0.000	71.44	0.00	0.00
7	145.00	ALU 800 MHz RRH	4	9.621	10.583	0.50	0.75	5.00	212.00	0.000	0.000	52.97	0.00	0.00
8	145.00	Ericsson 4449 B71 + B85	2	9.621	10.583	0.50	0.75	1.98	150.00	0.000	0.000	20.95	0.00	0.00
9	145.00	ALU 800 MHz Filter	2	9.621	10.583	0.50	0.75	0.78	17.60	0.000	0.000	8.30	0.00	0.00
10	145.00	RMQP-472 (LPP)	1	9.621	10.583	1.00	1.00	33.60	1625.79	0.000	0.000	355.60	0.00	0.00
11	137.00	Low Profile Platform	1	9.466	10.413	1.00	1.00	22.00	1500.00	0.000	0.000	229.09	0.00	0.00
12	137.00	LGP 21401	6	9.466	10.413	0.80	0.80	6.19	84.60	0.000	0.000	64.48	0.00	0.00
13	137.00	RRUS 8843 B2 B66A	3	9.466	10.413	0.54	0.80	2.65	225.00	0.000	0.000	27.63	0.00	0.00
14	137.00	DC6-48-60-18-8F	2	9.466	10.413	0.80	0.80	1.47	63.60	0.000	0.000	15.33	0.00	0.00
15	137.00	RRUS 4449 B5/B12	3	9.466	10.413	0.54	0.80	3.17	213.00	0.000	0.000	32.99	0.00	0.00
16	137.00	DMP65R-BU6DA	3	9.466	10.413	0.58	0.80	21.96	238.20	0.000	0.000	228.70	0.00	0.00
17	137.00	HPA-65R-BU6AA	3	9.466	10.413	0.85	1.00	24.63	153.00	0.000	0.000	256.51	0.00	0.00
18	137.00	7770	3	9.466	10.413	0.58	0.80	9.64	105.00	0.000	0.000	100.34	0.00	0.00
19	127.00	Commscope	6	9.264	10.190	0.63	0.75	43.05	309.60	0.000	0.000	438.72	0.00	0.00
20	127.00	Low Profile Platform	1	9.264	10.190	1.00	1.00	22.00	1500.00	0.000	0.000	224.18	0.00	0.00
21	127.00	Samsung MT6407-77A	3	9.264	10.190	0.52	0.75	7.39	238.20	0.000	0.000	75.27	0.00	0.00
22	127.00	Antel	3	9.264	10.190	0.65	0.75	11.28	54.00	0.000	0.000	114.89	0.00	0.00
23	127.00	RFS	1	9.264	10.190	1.00	1.00	4.06	32.00	0.000	0.000	41.37	0.00	0.00
24	127.00	Samsung B2/B66A	3	9.264	10.190	0.50	0.75	2.82	253.20	0.000	0.000	28.73	0.00	0.00
25	127.00	Samsung B5/B13	3	9.264	10.190	0.50	0.75	2.82	210.90	0.000	0.000	28.73	0.00	0.00
26	127.00	Mount mod	1	9.264	10.190	1.00	1.00	12.25	514.00	0.000	0.000	124.83	0.00	0.00
							Totals:		**8,773.57**			**2,951.95**		

Total Applied Force Summary

Structure:	CT46144-A-SBA		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Cammilletti Property		**Exposure:**	B	
Height:	148.34 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		88.02	1077.64	0.00	0.00
10.00		86.09	1056.48	0.00	0.00
15.00		84.15	1035.32	0.00	0.00
20.00		82.21	1014.16	0.00	0.00
25.00		80.27	993.00	0.00	0.00
30.00		78.40	971.84	0.00	0.00
35.00		79.91	950.68	0.00	0.00
40.00		80.91	929.52	0.00	0.00
45.00		81.50	908.37	0.00	0.00
47.18		35.25	388.56	0.00	0.00
47.20		0.41	7.64	0.00	0.00
50.00		46.25	854.80	0.00	0.00
52.51		41.44	755.93	0.00	0.00
55.00		41.09	373.26	0.00	0.00
57.50		41.19	370.36	0.00	0.00
60.00		41.11	365.95	0.00	0.00
65.00		82.30	718.68	0.00	0.00
70.00		81.60	701.04	0.00	0.00
75.00		80.70	683.41	0.00	0.00
80.00		79.64	665.78	0.00	0.00
85.00		78.42	648.15	0.00	0.00
90.00		77.05	630.51	0.00	0.00
95.00		75.56	612.88	0.00	0.00
95.80		11.87	96.42	0.00	0.00
95.83		0.41	3.33	0.00	0.00
99.92		61.07	720.28	0.00	0.00
100.00		1.25	6.90	0.00	0.00
105.00		73.20	401.16	0.00	0.00
105.30		4.31	23.73	0.00	0.00
110.00		67.01	366.84	0.00	0.00
115.00		69.43	380.00	0.00	0.00
120.00		67.40	369.42	0.00	0.00
125.00		65.28	358.84	0.00	0.00
127.00	(21) attachments	1102.13	3252.47	0.00	0.00
130.00		37.49	185.67	0.00	0.00
135.00		60.77	300.98	0.00	0.00
137.00	(24) attachments	978.63	2699.83	0.00	0.00
140.00		34.68	129.29	0.00	0.00
145.00	(22) attachments	976.11	3286.29	0.00	0.00
148.34		35.91	122.84	0.00	0.00
	Totals:	**5,190.41**	**29,418.25**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

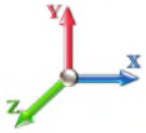
Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
50.00	1.5" Reinforcing plate	Yes	2.80	0.000	1.50	0.35	0.00	0.039	0.000	7.098	0.00	0.00
52.51	1.5" Reinforcing plate	Yes	2.51	0.000	1.50	0.31	0.00	0.040	0.000	7.198	0.00	0.00
55.00	1.5" Reinforcing plate	Yes	2.49	0.000	1.50	0.31	0.00	0.040	0.000	7.294	0.00	0.00
57.50	1.5" Reinforcing plate	Yes	2.50	0.000	1.50	0.31	0.00	0.040	0.000	7.387	0.00	0.00
95.83	1.5" Reinforcing plate	Yes	0.03	0.000	1.50	0.00	0.00	0.052	0.000	8.547	0.00	0.00
99.92	1.5" Reinforcing plate	Yes	4.09	0.000	1.50	0.51	0.00	0.052	0.000	8.650	0.00	0.00
100.00	1.5" Reinforcing plate	Yes	0.08	0.000	1.50	0.01	0.00	0.053	0.000	8.652	0.00	0.00
105.00	1.5" Reinforcing plate	Yes	5.00	0.000	1.50	0.63	0.00	0.054	0.000	8.774	0.00	0.00
105.30	1.5" Reinforcing plate	Yes	0.30	0.000	1.50	0.04	0.00	0.055	0.000	8.781	0.00	0.00
										Totals:	**0.0**	**0.0**

Calculated Forces

Structure:	CT46144-A-SBA	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-29.42	-5.20	0.00	-587.41	0.00	587.41	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.161
5.00	-28.33	-5.14	0.00	-561.40	0.00	561.40	3846.55	1923.28	7360.85	3685.90	0.03	-0.050	0.000	0.160
10.00	-27.27	-5.08	0.00	-535.70	0.00	535.70	3788.45	1894.23	7085.75	3548.14	0.11	-0.102	0.000	0.158
15.00	-26.23	-5.01	0.00	-510.32	0.00	510.32	3729.06	1864.53	6813.30	3411.72	0.24	-0.154	0.000	0.157
20.00	-25.21	-4.95	0.00	-485.25	0.00	485.25	3668.37	1834.19	6543.69	3276.71	0.43	-0.208	0.000	0.155
25.00	-24.22	-4.89	0.00	-460.49	0.00	460.49	3606.39	1803.19	6277.08	3143.21	0.68	-0.262	0.000	0.153
30.00	-23.24	-4.83	0.00	-436.03	0.00	436.03	3543.11	1771.56	6013.64	3011.29	0.98	-0.318	0.000	0.151
35.00	-22.29	-4.77	0.00	-411.88	0.00	411.88	3478.55	1739.27	5753.54	2881.05	1.35	-0.374	0.000	0.149
40.00	-21.35	-4.70	0.00	-388.04	0.00	388.04	3412.68	1706.34	5496.94	2752.56	1.77	-0.432	0.000	0.147
45.00	-20.44	-4.63	0.00	-364.53	0.00	364.53	3345.53	1672.76	5244.01	2625.90	2.25	-0.491	0.000	0.145
47.18	-20.05	-4.59	0.00	-354.46	0.00	354.46	3315.91	1657.95	5135.17	2571.40	2.48	-0.517	0.000	0.144
47.20	-20.04	-4.60	0.00	-354.35	0.00	354.35	3315.57	1657.78	5133.93	2570.78	2.49	-0.518	0.000	0.086
50.00	-19.19	-4.55	0.00	-341.48	0.00	341.48	3277.08	1638.54	4994.93	2501.18	2.79	-0.538	0.000	0.084
52.51	-18.43	-4.51	0.00	-330.06	0.00	330.06	2602.21	1301.11	3990.47	1998.20	3.08	-0.556	0.000	0.089
55.00	-18.06	-4.47	0.00	-318.84	0.00	318.84	2577.30	1288.65	3896.73	1951.26	3.38	-0.575	0.000	0.094
57.50	-17.68	-4.43	0.00	-307.67	0.00	307.67	2551.96	1275.98	3803.21	1904.43	3.68	-0.594	0.000	0.092
57.50	-17.68	-4.43	0.00	-307.67	0.00	307.67	2551.96	1275.98	3803.21	1904.43	3.68	-0.594	0.000	0.092
60.00	-17.32	-4.40	0.00	-296.59	0.00	296.59	2526.30	1263.15	3710.31	1857.91	4.00	-0.614	0.000	0.167
65.00	-16.59	-4.33	0.00	-274.60	0.00	274.60	2474.01	1237.00	3526.46	1765.85	4.68	-0.685	0.000	0.162
70.00	-15.89	-4.26	0.00	-252.96	0.00	252.96	2420.42	1210.21	3345.35	1675.16	5.44	-0.756	0.000	0.158
75.00	-15.20	-4.19	0.00	-231.68	0.00	231.68	2365.54	1182.77	3167.14	1585.93	6.27	-0.828	0.000	0.153
80.00	-14.53	-4.12	0.00	-210.74	0.00	210.74	2309.37	1154.68	2992.01	1498.23	7.17	-0.900	0.000	0.147
85.00	-13.88	-4.04	0.00	-190.17	0.00	190.17	2251.13	1125.57	2819.16	1411.68	8.16	-0.973	0.000	0.141
90.00	-13.24	-3.97	0.00	-169.95	0.00	169.95	2174.14	1087.07	2628.67	1316.29	9.21	-1.044	0.000	0.135
95.00	-12.63	-3.89	0.00	-150.09	0.00	150.09	2097.14	1048.57	2444.84	1224.23	10.34	-1.115	0.000	0.129
95.80	-12.53	-3.88	0.00	-146.97	0.00	146.97	2084.82	1042.41	2416.04	1209.82	10.53	-1.127	0.000	0.070
95.83	-12.53	-3.88	0.00	-146.86	0.00	146.86	2084.39	1042.20	2415.05	1209.32	10.54	-1.127	0.000	0.070
99.92	-11.81	-3.81	0.00	-130.99	0.00	130.99	1076.50	538.25	1236.95	619.40	11.52	-1.158	0.000	0.076
100.00	-11.80	-3.82	0.00	-130.66	0.00	130.66	1076.11	538.05	1235.71	618.78	11.54	-1.159	0.000	0.094
105.00	-11.40	-3.74	0.00	-111.58	0.00	111.58	1052.46	526.23	1163.02	582.37	12.78	-1.204	0.000	0.084
105.30	-11.38	-3.74	0.00	-110.46	0.00	110.46	1051.00	525.50	1158.68	580.20	12.85	-1.206	0.000	0.083
105.30	-11.38	-3.74	0.00	-110.46	0.00	110.46	1051.00	525.50	1158.68	580.20	12.85	-1.206	0.000	0.083
110.00	-11.01	-3.68	0.00	-92.89	0.00	92.89	1027.52	513.76	1090.99	546.31	14.06	-1.245	0.000	0.181
115.00	-10.62	-3.61	0.00	-74.51	0.00	74.51	1001.28	500.64	1019.81	510.66	15.41	-1.337	0.000	0.157
120.00	-10.25	-3.55	0.00	-56.43	0.00	56.43	973.75	486.88	949.64	475.53	16.86	-1.418	0.000	0.129
125.00	-9.89	-3.49	0.00	-38.68	0.00	38.68	944.93	472.47	880.64	440.98	18.38	-1.485	0.000	0.098
127.00	-6.67	-2.30	0.00	-31.71	0.00	31.71	933.04	466.52	853.41	427.34	19.01	-1.508	0.000	0.081
130.00	-6.48	-2.26	0.00	-24.80	0.00	24.80	914.81	457.41	812.99	407.10	19.97	-1.537	0.000	0.068
135.00	-6.18	-2.20	0.00	-13.49	0.00	13.49	883.40	441.70	746.85	373.98	21.60	-1.573	0.000	0.043
137.00	-3.51	-1.14	0.00	-9.10	0.00	9.10	870.48	435.24	720.86	360.97	22.26	-1.583	0.000	0.029
140.00	-3.38	-1.11	0.00	-5.66	0.00	5.66	850.70	425.35	682.40	341.71	23.26	-1.593	0.000	0.021
145.00	-0.12	-0.04	0.00	-0.13	0.00	0.13	816.70	408.35	619.79	310.35	24.93	-1.600	0.000	0.001
148.34	0.00	-0.04	0.00	0.00	0.00	0.00	787.55	393.77	574.90	287.88	26.05	-1.600	0.000	0.000

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 89 mph Wind	18.3	0.00	35.27	0.00	0.00	2084.97
0.9D + 1.6W 89 mph Wind	18.3	0.00	26.45	0.00	0.00	2056.07
1.2D + 1.0Di + 1.0Wi 40 mph Wind	3.9	0.00	56.91	0.00	0.00	439.78
1.2D + 1.0E	1.6	0.00	35.30	0.00	0.00	201.58
0.9D + 1.0E	1.6	0.00	26.48	0.00	0.00	198.61
1.0D + 1.0W 60 mph Wind	5.2	0.00	29.42	0.00	0.00	587.41

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 89 mph Wind	-12.29	-13.10	0.00	-331.08	0.00	-331.08	1027.52	513.76	1090.99	546.31	110.00	0.619
0.9D + 1.6W 89 mph Wind	-9.00	-12.81	0.00	-323.30	0.00	-323.30	1027.52	513.76	1090.99	546.31	110.00	0.601
1.2D + 1.0Di + 1.0Wi 40 mph Wind	-26.66	-2.73	0.00	-68.96	0.00	-68.96	1027.52	513.76	1090.99	546.31	110.00	0.152
1.2D + 1.0E	-13.29	-1.38	0.00	-40.91	0.00	-40.91	1027.52	513.76	1090.99	546.31	110.00	0.088
0.9D + 1.0E	-9.97	-1.35	0.00	-40.06	0.00	-40.06	1027.52	513.76	1090.99	546.31	110.00	0.083
1.0D + 1.0W 60 mph Wind	-11.01	-3.68	0.00	-92.89	0.00	-92.89	1027.52	513.76	1090.99	546.31	110.00	0.181

Additional Steel Summary

			Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
Elev From (ft)	Elev To (ft)	Member	VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
47.2	57.5	(3) PLT-6"x1.5"(31mm hole)	246.6	5.92	37.1	201.4	37.1	6	11	206.1	37.1	6	10	208.87	489.4	424.53	0.492
95.8	105.3	(3) PLT-4.5x1.5(31mm Hole)	-363.4	-8.72	37.1	124.0	37.1	4	8	129.0	37.1	4	6	144.14	367.1	289.53	0.498

Base Plate Summary

Structure:	CT46144-A-SB	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Cammilletti Property	**Exposure:**	B		
Height:	148.34 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

Tower Engineering Solutions

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	60.00	**Bolt Circle:**	57.00
Moment (kip-ft):	2300.40	**Width (in):**	63.00	**Number Bolts:**	16.00
Axial (kip):	21.20	**Style:**	Round	**Bolt Type:**	2.25" 18J
Shear (kip):	22.00	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	0.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.6W)				**Ultimate (ksi):**	100.00
Moment (kip-ft):	2084.97	**Effective Len (in):**	13.49	**Arrangement:**	Radial
Axial (kip):	35.27	**Moment (kip-in):**	509.81	**Cluster Dist (in):**	0.00
Shear (kip):	18.33	**Allow Stress (ksi):**	81.00	**Start Angle (deg):**	0.00
		Applied Stress (ksi):	56.70	Compression	
		Stress Ratio:	0.70	**Force (kip):**	113.29
				Allowable (kip):	260.00
				Ratio:	0.44
				Tension	
				Force (kip):	106.18
				Allowable (kip):	260.00
				Ratio:	0.42

Monopole Mat Foundation Design

Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:		**Structure Height (Ft.):**	148.34
Site Number:	CT46144-A-SBA	**Engineer Name:**	T. Alajaj
Engr. Number:	110368	**Engineer Login ID:**	

Date 8/10/2021

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

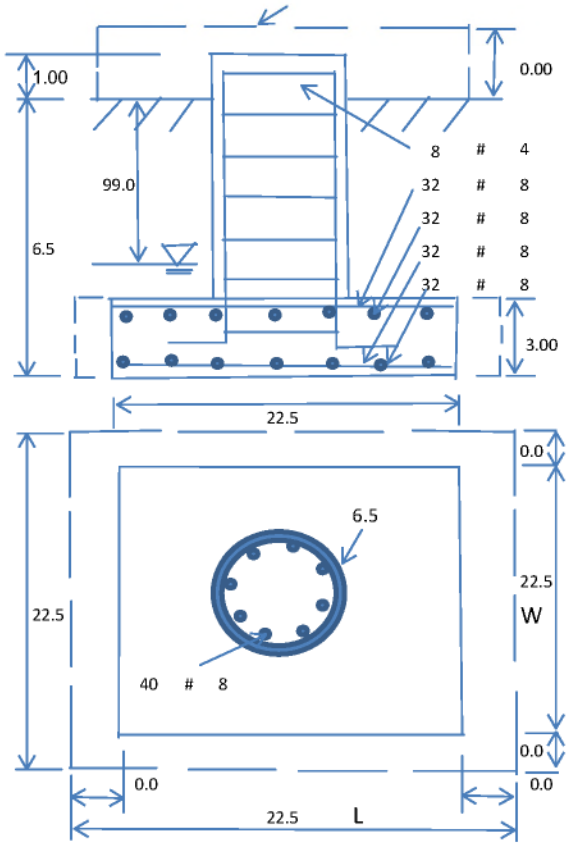
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	35.3	Shear Force (Kips):	18.3
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2085.0
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	6.5	Depth of Base BG (ft.):	6.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	22.5	Width of Pad (ft.):	22.5
Final Length of pad (ft)	22.5	Final width of pad (ft):	22.5



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	40	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32

Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32

Apply 1.35 factor for e/w Per G: 1.35

Soil Design Parameters:

Soil Unit Weight (pcf):	135.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	1655.73	Total Dry Soil Weight (Kips):	223.52
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	223.52	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1668.07	Total Dry Concrete Weight (Kips):	250.21
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	250.21	Total Vertical Load on Base (Kips):	509.04

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2122	<	Allowable Factored Soil Bearing (psf):	9000	0.24	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	5193.7	>	Design Factored Momont (kips-ft):	2222	0.43	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.34	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	0.79		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	4910.3	>	Design Factored Moment (Mu, Kips-F	2167.4	0.44	OK!
Calculated Shear Capacity (Kips):	578.1	>	Design Factored Shear (Kips):	18.3	0.03	OK!
Calculated Tension Capacity (Tn, Kips):	1706.4	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	8392.3	>	Design Factored Axial Load (Pu Kips):	35.3	0.00	OK!
Moment & Axial Strength Combination:	0.44	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.007		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	832.5	>	One-Way Factored Shear (L-D. Kips):	149.5	0.18	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	832.5	>	One-Way Factored Shear (W-D., Kips)	149.5	0.18	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	736.4	>	One-Way Factored Shear (C-C, Kips):	142.5	0.19	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0029	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0029		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	3603.2	>	Moment at Bottom (L-Dir. K-Ft):	769.5	0.21	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	3603.2	>	Moment at Bottom (W-Dir. K-Ft):	769.5	0.21	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	5061.6	>	Moment at Bottom (C-C Dir. K-Ft):	1088.2	0.21	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0029	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0029		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	3603.2	>	Moment at the top (L-Dir K-Ft):	341.0	0.09	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	3603.2	>	Moment at the top (W-Dir K-Ft):	341.0	0.09	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	5061.6	>	Moment at the top (C-C Dir. K-Ft):	320.4	0.06	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	834.0	k-ft.	Max. factored shear stress v_{u_CD}:		2.3	Psi
Max. factored shear stress v_{u_AB}:	7.1	Psi	Factored shear Strength ϕv_n:		189.7	Psi
Max. factored shear stress v_u:	7.1	Psi	Check Usage of Punching Shear Capacity:		0.04	OK!

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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10070846
Maser Consulting Connecticut Project #: 21777242A Rev. 1

July 6, 2021

Site Information	*Site ID:*	*467610-VZW / NORFOLK WEST CT*
	Site Name:	*NORFOLK WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*10 Ashpohtag Road* *Norfolk, Connecticut 06058* *Litchfield County*
	Latitude:	*42.002697°*
	Longitude:	*-73.221417°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.50-Ft Platform*

FUZE ID # 16275314

Analysis Results

Platform: **52.5% Pass**

******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 also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Abigail Enriquez

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

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: 674993, dated June 24, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: PSLC:467610, dated March 31, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777242A Rev. 1, dated July 6, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777242A Rev. 1, dated June 29, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	114 mph
	Ice Wind Speed (3-sec. Gust):	40 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.964
Seismic Parameters:	S_S:	0.165
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
126.00	127.00	6	Commscope	NHH-65C-R2B	Added
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Amphenol Antel	BXA-70080-6CF-EDIN-0	Retained

The recent mount mapping did not 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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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
Support Rail Angle	*25.2%*	*Pass*
Support Rail	*16.8%*	*Pass*
Mount Pipe	*33.8%*	*Pass*
Dual Antenna Mount Pipe	*22.6%*	*Pass*
Face Horizontal	*20.3%*	*Pass*
Corner Plate	*14.4%*	*Pass*
Cross Arm Plate	*51.4%*	*Pass*
Grating Support	*21.5%*	*Pass*
Platform Crossmember	*19.0%*	*Pass*
Standoff Horizontal	*39.7%*	*Pass*
Connection Check	*52.5%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**52.5%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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 PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

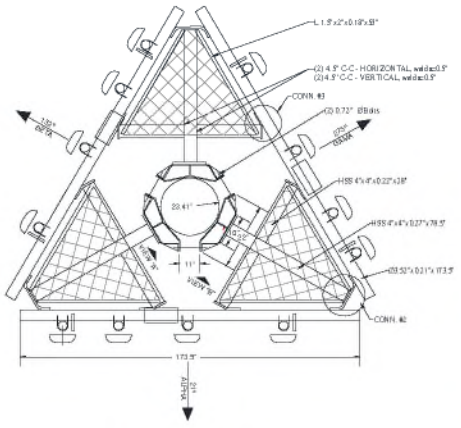

NORFOLK WEST CT

PAUL J. FORD & COMPANY

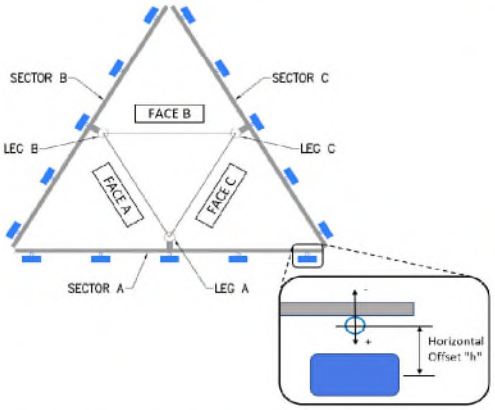
Antenna Mount Mapping Form (PATENT PENDING)

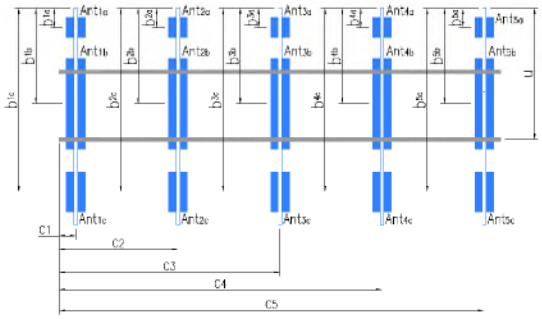
FCC # 1274436

Tower Owner:	SBA	Mapping Date:	03/31/2021
Site Name:	VZW: NORFOLK WEST CT	Tower Type:	Monopole
Site Number or ID:	PSLC: 467610	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	127.08



OVERALL MOUNT SCHEMATIC





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE Ø 2.35"x0.21"x91"	45.00	15.00	C1	PIPE Ø 2.35"x0.21"x91"	45.00	15.00
A2	PIPE Ø 2.35"x0.21"x91"	48.50	80.00	C2	PIPE Ø 2.35"x0.21"x91"	48.50	80.00
A3	PIPE Ø 2.35"x0.21"x91"	47.00	135.00	C3	PIPE Ø 2.35"x0.21"x91"	47.00	135.00
A4	PIPE Ø 2.35"x0.21"x91"	44.00	159.00	C4	PIPE Ø 2.35"x0.21"x91"	44.00	159.00
A5				C5			
A6				C6			
B1	PIPE Ø 2.35"x0.21"x91"	45.00	15.00	D1			
B2	PIPE Ø 2.35"x0.21"x91"	48.50	80.00	D2			
B3	PIPE Ø 2.35"x0.21"x91"	47.00	135.00	D3			
B4	PIPE Ø 2.35"x0.21"x91"	44.00	159.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	5.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

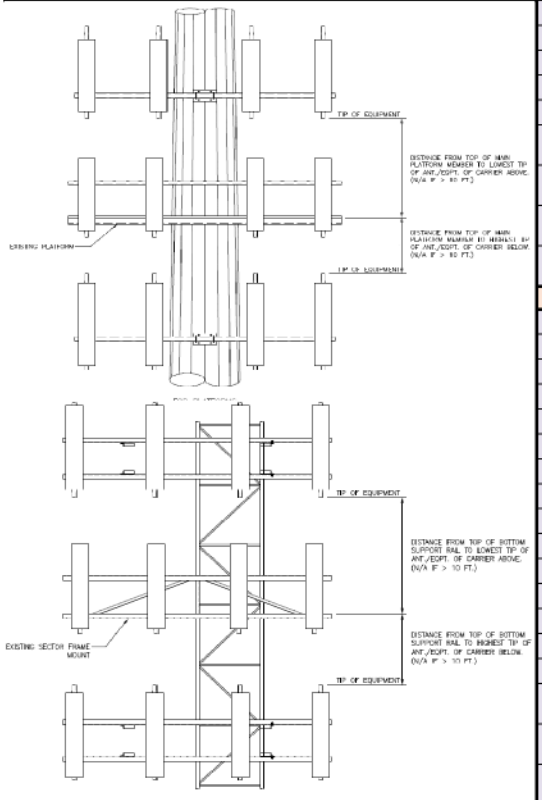
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.): | Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 23.41

	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}	LPA80080/6CF-E-DIN	5.50	13.20	70.90		127.705	37.50	13.00	21.00	16
Ant_{1c}	RFS	6.75	1.00	4.75		129.122	20.50	3.00		17,18,19
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.30	6.00	71.00		127.955	38.00	9.00	21.00	20,21
Ant_{2c}	Unknown	16.00	7.00	3.00		127.372	45.00			23,24,25
Ant_{3a}										
Ant_{3b}	Unknown	6.00	4.00	72.00		127.872	37.50	7.00	21.00	4,5,6
Ant_{3c}	Unknown	7.00	3.00	16.00		128.33	32.00	3.50		7,8,9
Ant_{4a}										
Ant_{4b}	Unknown	6.00	13.50	72.00		128.122	31.50	14.00	21.00	10,11,12
Ant_{4c}	RFS	6.75	1.00	4.75		129.226	18.25	2.50		13,14,15
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:	21.00	Deg	Leg A:	Deg
Sector B:	132.00	Deg	Leg B:	Deg
Sector C:	275.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

Climbing Facility Information		
Location:	132.00 Deg	Sector B
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA80080/6CF-E-DIN	5.50	13.20	70.90		127.705	37.50	13.00	132.00	16
Ant_{1c}	RFS	6.75	1.00	4.75		129.122	20.50	3.00		17,18,19
Ant_{2a}										
Ant_{2b}	BXA-70040/6CFEDIN2	24.00	8.00	71.00		127.913	38.50	10.00	132.00	162
Ant_{2c}	Unknown	16.00	7.00	3.00		127.372	45.00			23,24,25
Ant_{3a}										
Ant_{3b}	Unknown	6.00	4.00	72.00		127.872	37.50	7.00	132.00	4,5,6
Ant_{3c}	Unknown	7.00	3.00	16.00		128.33	32.00	3.50		7,8,9
Ant_{4a}										
Ant_{4b}	Unknown	6.00	13.50	72.00		128.122	31.50	14.00	132.00	10,11,12
Ant_{4c}	RFS	6.75	1.00	4.75		129.226	18.25	2.50		13,14,15
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA80080/6CF-E-DIN	5.50	13.20	70.90		127.705	37.50	13.00	275.00	16
Ant_{1c}	RFS	6.75	1.00	4.75		129.122	20.50	3.00		17,18,19
Ant_{2a}										
Ant_{2b}	BXA70040/6CFEDIN2	24.00	8.00	71.00		127.913	38.50	10.00	275.00	179
Ant_{2c}	Unknown	16.00	7.00	3.00		127.372	45.00			23,24,25
Ant_{3a}										
Ant_{3b}	Unknown	6.00	4.00	72.00		127.872	37.50	7.00	275.00	4,5,6
Ant_{3c}	Unknown	7.00	3.00	16.00		128.33	32.00	3.50		7,8,9
Ant_{4a}										
Ant_{4b}	Unknown	6.00	13.50	72.00		128.122	31.50	14.00	275.00	10,11,12
Ant_{4c}	RFS	6.75	1.00	4.75		129.226	18.25	2.50		13,14,15
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		

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.

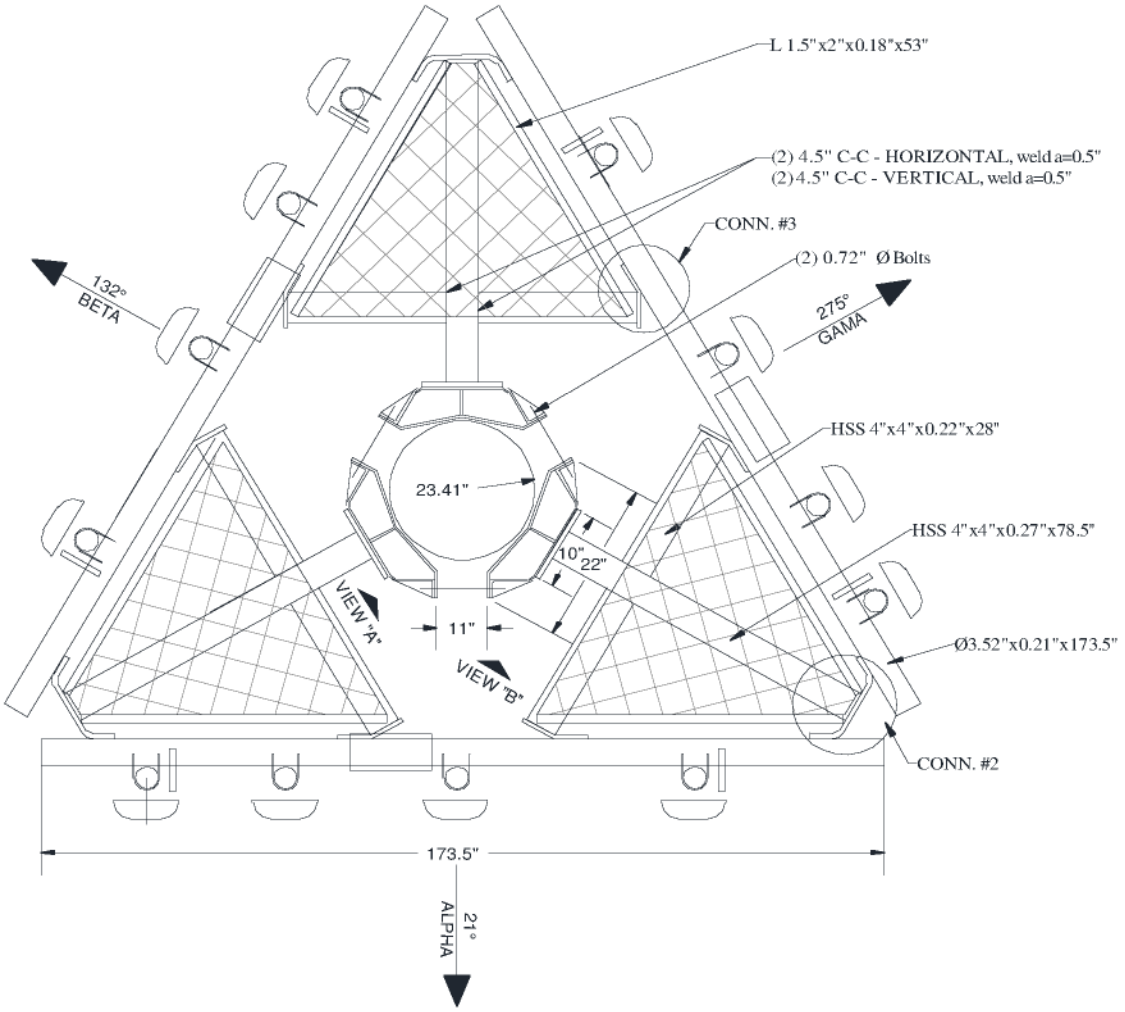
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1274436

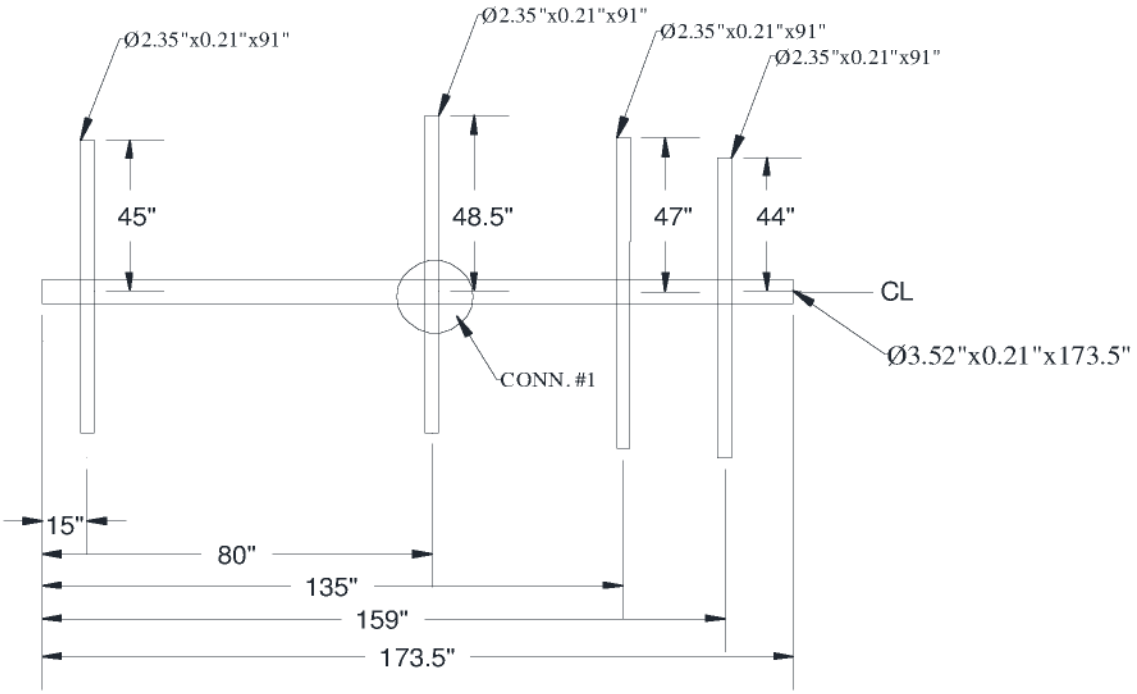
Tower Owner:	SBA	**Mapping Date:**	03/31/2021
Site Name:	VZW: NORFOLK WEST CT	**Tower Type:**	Monopole
Site Number or ID:	PSLC: 467610	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	127.08

Please Insert Sketches of the Antenna Mount



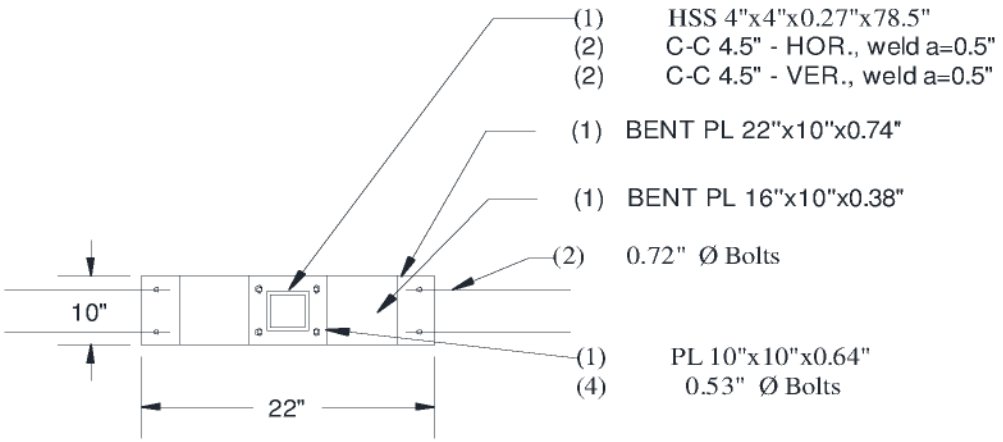
OVERALL MOUNT SCHEMATIC

Please Insert Sketches of the Antenna Mount, cont'd

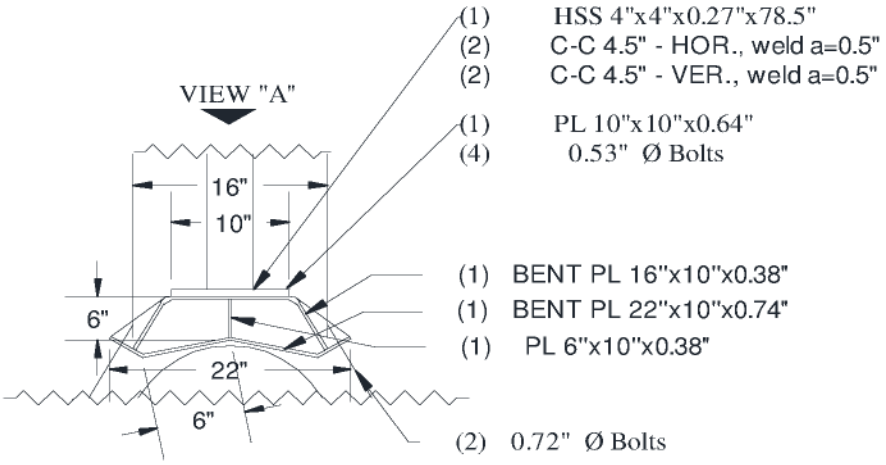


SECTOR A, B, C

Please Insert Sketches of the Antenna Mount, cont'd

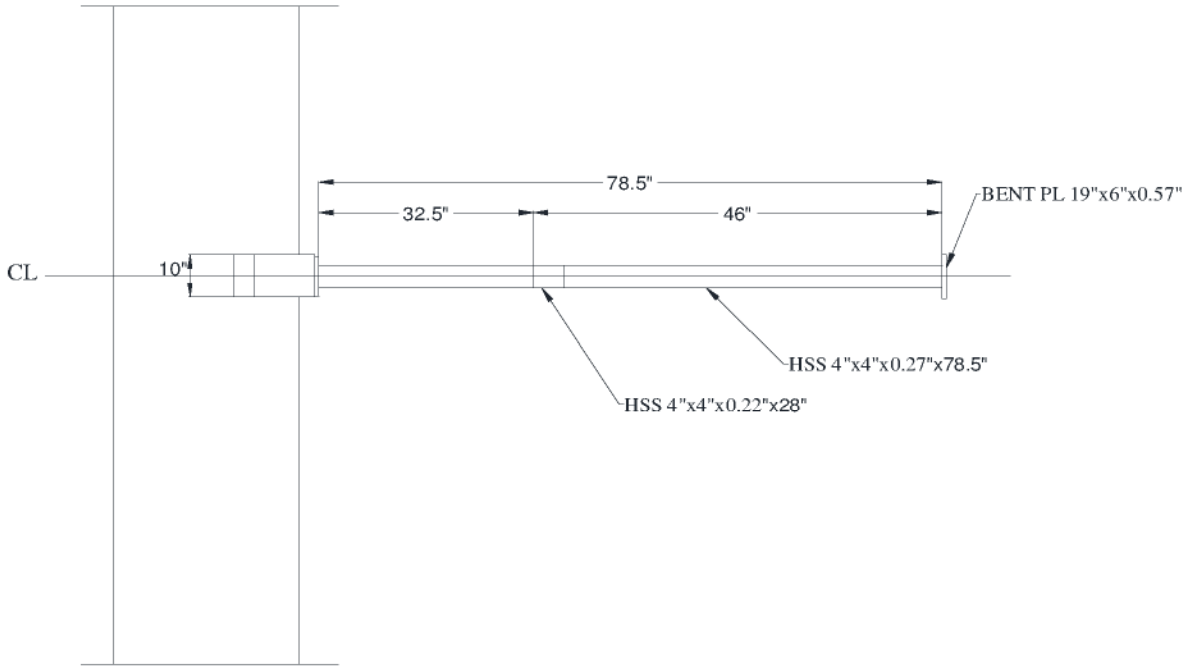


VIEW "A"



TOWER ATTACHMENT

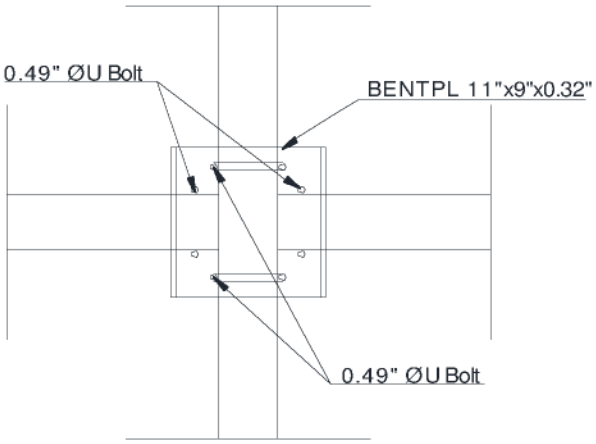
Please Insert Sketches of the Antenna Mount, cont'd



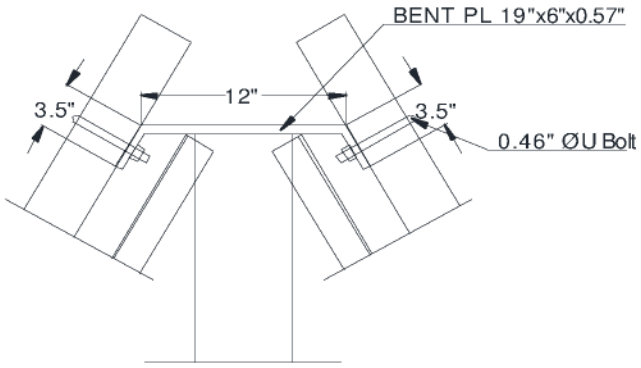
VIEW "B"

Please Insert Sketches of the Antenna Mount, cont'd

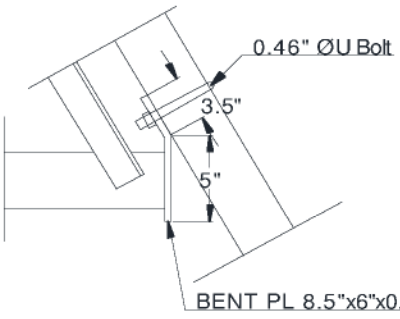
CONNECTION "1"

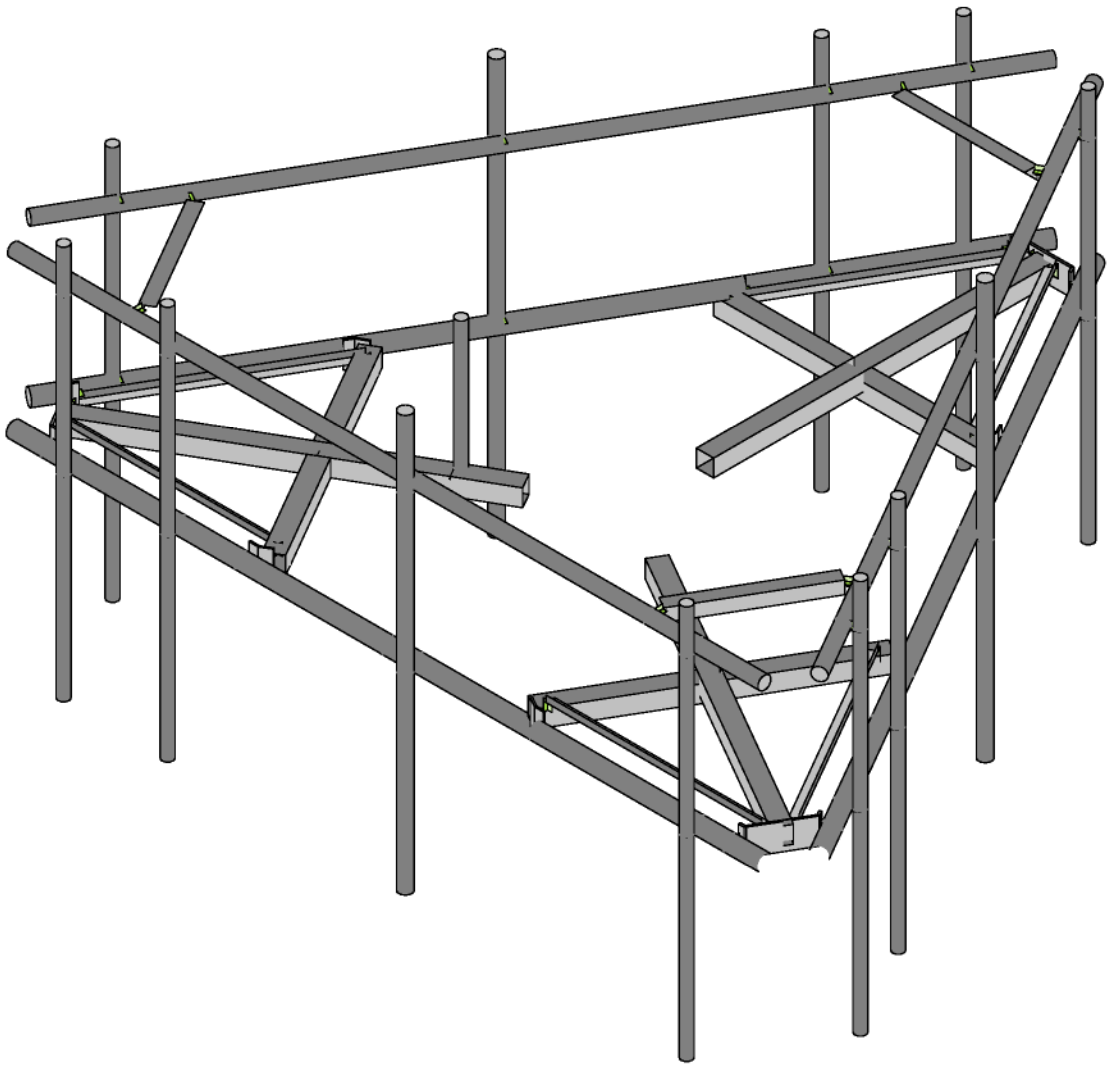


CONNECTION "2"

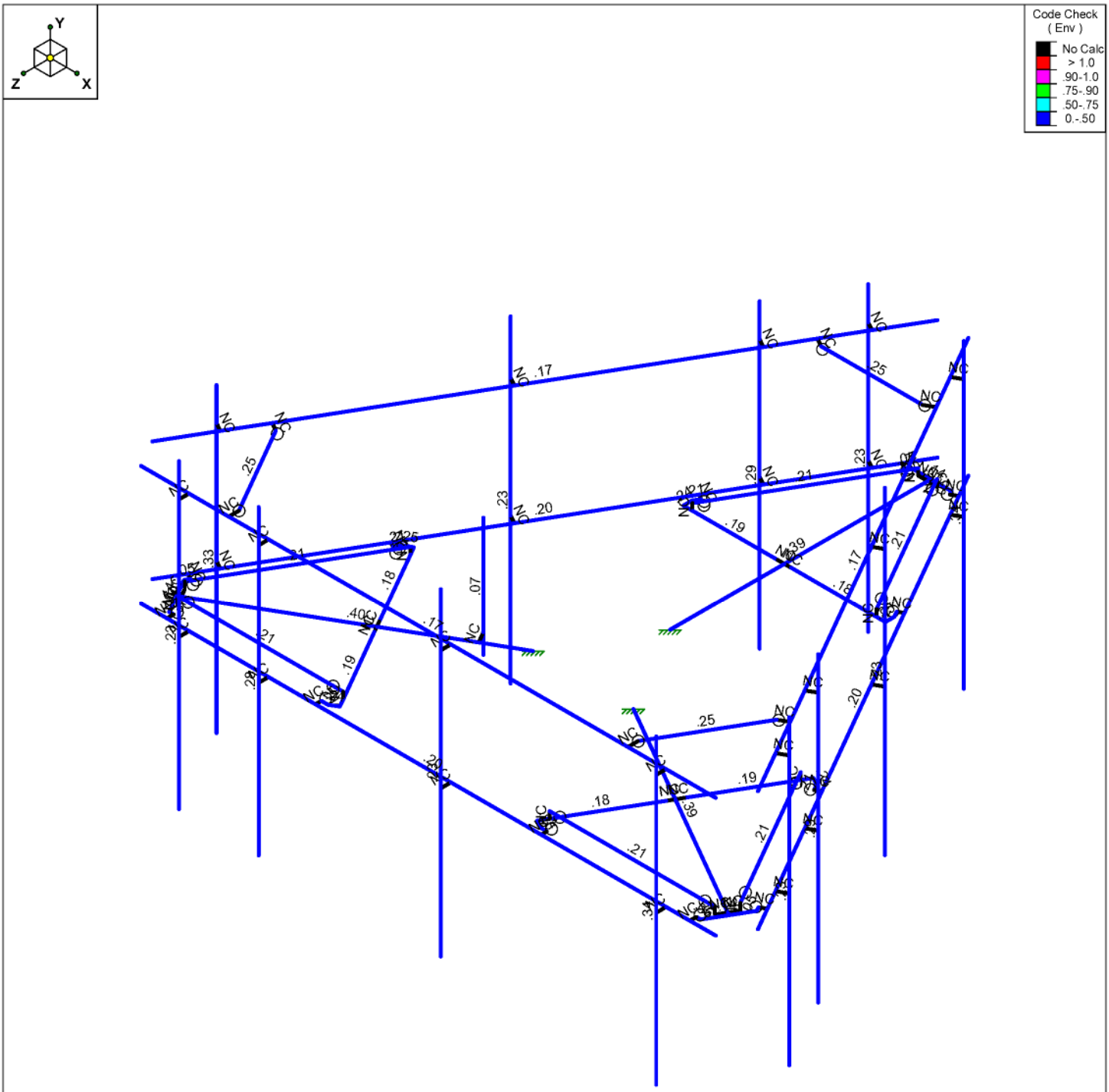


CONNECTION "3"



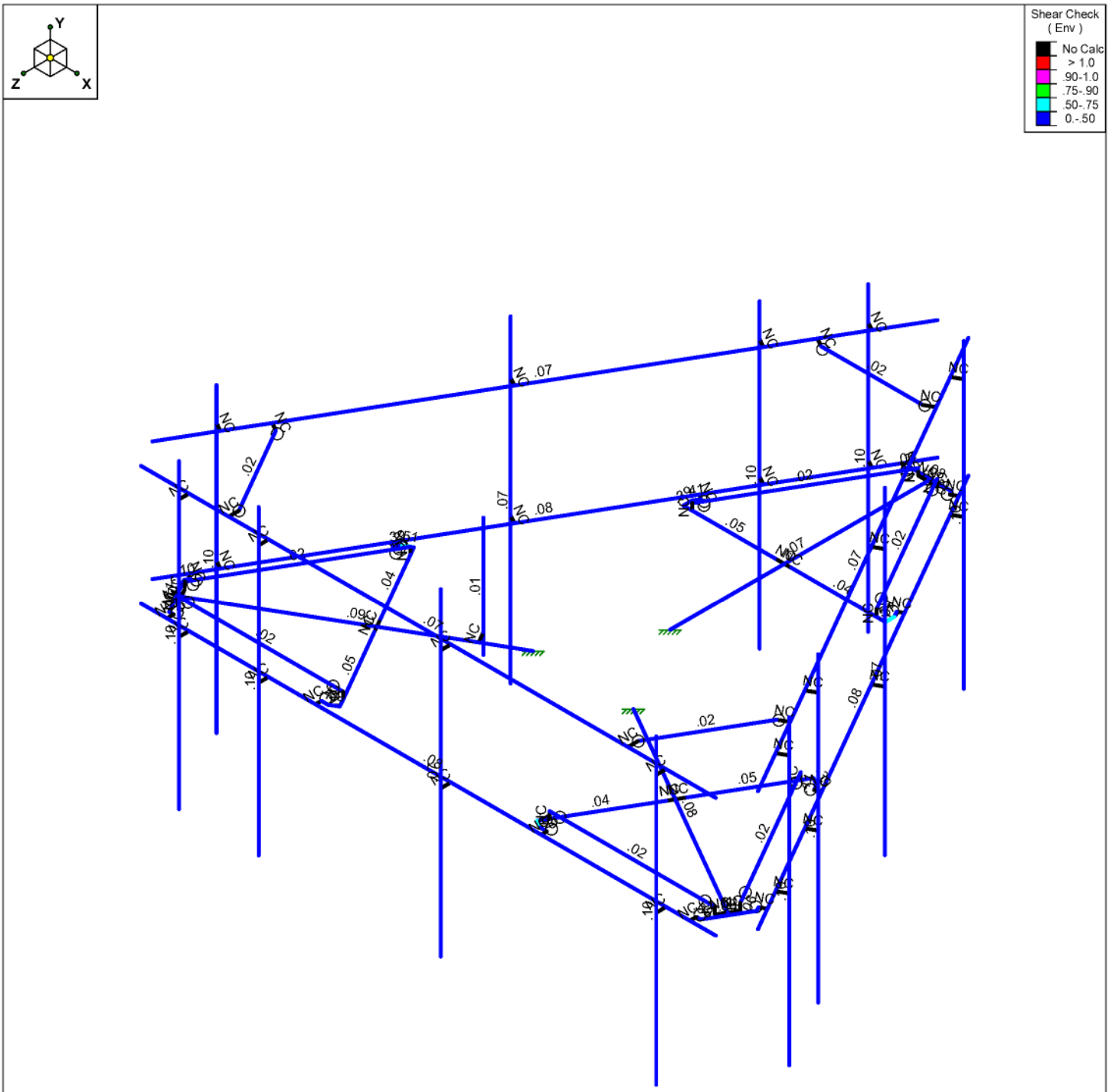


		SK - 1
		July 6, 2021 at 9:03 AM
		467610-VZW_MT_LO_H.r3d



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

		SK - 2
		July 6, 2021 at 9:03 AM
		467610-VZW_MT_LO_H.r3d



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

		SK - 3
		July 6, 2021 at 9:03 AM
		467610-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

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						116		
58	Structure Wi (150 De..	None						116		
59	Structure Wi (180 De..	None						116		
60	Structure Wi (210 De..	None						116		
61	Structure Wi (240 De..	None						116		
62	Structure Wi (270 De..	None						116		
63	Structure Wi (300 De..	None						116		
64	Structure Wi (330 De..	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De..	None						116		
67	Structure Wm (60 De..	None						116		
68	Structure Wm (90 De..	None						116		
69	Structure Wm (120 D..	None						116		
70	Structure Wm (150 D..	None						116		
71	Structure Wm (180 D..	None						116		
72	Structure Wm (210 D..	None						116		
73	Structure Wm (240 D..	None						116		
74	Structure Wm (270 D..	None						116		
75	Structure Wm (300 D..	None						116		
76	Structure Wm (330 D..	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

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										
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												

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...
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	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.458333	0	
2	N5	-2.541667	0	-4.333333	0	
3	N6	2.315104	0.166667	-4.333333	0	
4	N7	-2.315104	0.166667	-4.333333	0	
5	N24	-0.	0	-4.333333	0	
6	N27	-0.	0	-8.020833	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-4.333333	0	
9	N30	-2.315104	0	-4.333333	0	
10	N101	2.541667	0	-4.333333	0	
11	N102	-0.166667	0	-4.333333	0	
12	N103A	0.166667	0	-4.333333	0	
13	N104A	-2.541667	0	-4.552083	0	
14	N105	2.541667	0	-4.552083	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N131	2.458333	0	-4.696421	0	
16	N135	0.571615	0	-7.923857	0	
17	N144	-2.458333	0	-4.696421	0	
18	N148	-0.571615	0	-7.923857	0	
19	N86A	2.584629	0	-4.769338	0	
20	N86B	-2.584629	0	-4.769338	0	
21	N86C	-0.515625	0	-8.020833	0	
22	N87A	0.515625	0	-8.020833	0	
23	N86D	0.715429	0	-8.006888	0	
24	N86E	-0.715429	0	-8.006888	0	
25	N88A	-0.	0	-7.9375	0	
26	N87C	0.234238	0.166667	-7.9375	0	
27	N86G	0.234238	0	-7.9375	0	
28	N87B	-0.234238	0.166667	-7.9375	0	
29	N88C	-0.234238	0	-7.9375	0	
30	N30A	-1.262954	0	0.729167	0	
31	N31	-2.481943	0	4.367815	0	
32	N32	-4.910329	0.166667	0.161728	0	
33	N33	-2.595225	0.166667	4.171606	0	
34	N34	-3.752777	0	2.166667	0	
35	N35	-6.946245	0	4.010417	0	
36	N37	-4.910329	0	0.161728	0	
37	N38	-2.595225	0	4.171606	0	
38	N39	-5.02361	0	-0.034481	0	
39	N40	-3.669443	0	2.311004	0	
40	N41	-3.83611	0	2.022329	0	
41	N42	-2.671386	0	4.47719	0	
42	N43	-5.213053	0	0.074894	0	
43	N44	-5.296386	0	0.219231	0	
44	N45	-7.148068	0	3.466896	0	
45	N46	-2.838053	0	4.47719	0	
46	N47	-6.576454	0	4.456961	0	
47	N48	-5.422682	0	0.146315	0	
48	N49	-2.838053	0	4.623023	0	
49	N50	-6.688433	0	4.456961	0	
50	N51	-7.204058	0	3.563872	0	
51	N52	-7.291882	0	3.383864	0	
52	N53	-6.576454	0	4.623023	0	
53	N54	-6.874077	0	3.96875	0	
54	N55	-6.991195	0.166667	3.765894	0	
55	N56	-6.991195	0	3.765894	0	
56	N57	-6.756958	0.166667	4.171606	0	
57	N58	-6.756958	0	4.171606	0	
58	N59	1.262954	0	0.729167	0	
59	N60	5.02361	0	-0.034481	0	
60	N61	2.595225	0.166667	4.171606	0	
61	N62	4.910329	0.166667	0.161728	0	
62	N63	3.752777	0	2.166667	0	
63	N64	6.946245	0	4.010417	0	
64	N66	2.595225	0	4.171606	0	
65	N67	4.910329	0	0.161728	0	
66	N68	2.481943	0	4.367815	0	
67	N69	3.83611	0	2.022329	0	
68	N70	3.669443	0	2.311004	0	
69	N71	5.213053	0	0.074894	0	
70	N72	2.671386	0	4.47719	0	
71	N73	2.838053	0	4.47719	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	6.576454	0	4.456961	0	
73	N75	5.296386	0	0.219231	0	
74	N76	7.148068	0	3.466896	0	
75	N77	2.838053	0	4.623023	0	
76	N78	5.422682	0	0.146314	0	
77	N79	7.204058	0	3.563872	0	
78	N80	6.688433	0	4.456961	0	
79	N81	6.576454	0	4.623023	0	
80	N82	7.291882	0	3.383864	0	
81	N83	6.874077	0	3.96875	0	
82	N84	6.756958	0.166667	4.171606	0	
83	N85	6.756958	0	4.171606	0	
84	N86	6.991195	0.166667	3.765894	0	
85	N87	6.991195	0	3.765894	0	
86	N86F	0.	0	4.623023	0	
87	N87D	7.229167	0	4.623023	0	
88	N88	-7.229167	0	4.623023	0	
89	N90	0.389072	0	-8.572154	0	
90	N91	7.618239	0	3.94913	0	
91	N93	-7.618239	0	3.94913	0	
92	N94	-0.389072	0	-8.572154	0	
93	N93A	5.979167	0	4.623023	0	
94	N94A	5.979167	0	4.873023	0	
95	N95	5.979167	3.833333	4.873023	0	
96	N96	5.979167	-3.75	4.873023	0	
97	N97	0.5625	0	4.623023	0	
98	N98	0.5625	0	4.873023	0	
99	N99	0.5625	4.333333	4.873023	0	
100	N100	0.5625	-3.666667	4.873023	0	
101	N101A	-4.020833	0	4.623023	0	
102	N102A	-4.020833	0	4.873023	0	
103	N103	-4.020833	3.833333	4.873023	0	
104	N104	-4.020833	-3.75	4.873023	0	
105	N105A	-6.020833	0	4.623023	0	
106	N106	-6.020833	0	4.873023	0	
107	N107	-6.020833	3.833333	4.873023	0	
108	N108	-6.020833	-3.75	4.873023	0	
109	N109	-2.128979	0	1.229167	0	
110	N110	-2.295646	0	0.940492	0	
111	N111	-2.295646	-.5	0.940492	0	
112	N112	-2.295646	2.5	0.940492	0	
113	N114	1.014072	0	-7.489622	0	
114	N115	1.230579	0	-7.614622	0	
115	N116	1.230579	3.833333	-7.614622	0	
116	N117	1.230579	-3.75	-7.614622	0	
117	N118	3.722406	0	-2.798651	0	
118	N119	3.938912	0	-2.923651	0	
119	N120	3.938912	4.333333	-2.923651	0	
120	N121	3.938912	-3.666667	-2.923651	0	
121	N122	6.014072	0	1.170632	0	
122	N123	6.230579	0	1.045632	0	
123	N124	6.230579	3.833333	1.045632	0	
124	N125	6.230579	-3.75	1.045632	0	
125	N126	7.014072	0	2.902683	0	
126	N127	7.230579	0	2.777683	0	
127	N128	7.230579	3.833333	2.777683	0	
128	N129	7.230579	-3.75	2.777683	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131A	-6.993239	0	2.866599	0	
130	N132	-7.209745	0	2.741599	0	
131	N133	-7.209745	3.833333	2.741599	0	
132	N134	-7.209745	-3.75	2.741599	0	
133	N135A	-4.284906	0	-1.824372	0	
134	N136	-4.501412	0	-1.949372	0	
135	N137	-4.501412	4.333333	-1.949372	0	
136	N138	-4.501412	-3.666667	-1.949372	0	
137	N139	-1.993239	0	-5.793655	0	
138	N140	-2.209745	0	-5.918655	0	
139	N141	-2.209745	3.833333	-5.918655	0	
140	N142	-2.209745	-3.75	-5.918655	0	
141	N143	-0.993239	0	-7.525706	0	
142	N144A	-1.209745	0	-7.650706	0	
143	N145	-1.209745	3.833333	-7.650706	0	
144	N146	-1.209745	-3.75	-7.650706	0	
145	N145A	-7.618239	3	3.94913	0	
146	N146A	-0.389072	3	-8.572154	0	
147	N147	-7.209745	3	2.741599	0	
148	N148A	-4.284906	3	-1.824372	0	
149	N149	-4.501412	3	-1.949372	0	
150	N150	-1.993239	3	-5.793655	0	
151	N151	-2.209745	3	-5.918655	0	
152	N152	-0.993239	3	-7.525706	0	
153	N153	-1.209745	3	-7.650706	0	
154	N154	-6.993239	3	2.866599	0	
155	N158	7.229167	3	4.623023	0	
156	N159	-7.229167	3	4.623023	0	
157	N160	5.979167	3	4.873023	0	
158	N161	0.5625	3	4.623023	0	
159	N162	0.5625	3	4.873023	0	
160	N163	-4.020833	3	4.623023	0	
161	N164	-4.020833	3	4.873023	0	
162	N165	-6.020833	3	4.623023	0	
163	N166	-6.020833	3	4.873023	0	
164	N167	5.979167	3	4.623023	0	
165	N171	0.389072	3	-8.572154	0	
166	N172	7.618239	3	3.94913	0	
167	N173	1.230579	3	-7.614622	0	
168	N174	3.722406	3	-2.798651	0	
169	N175	3.938912	3	-2.923651	0	
170	N176	6.014072	3	1.170632	0	
171	N177	6.230579	3	1.045632	0	
172	N178	7.014072	3	2.902683	0	
173	N179	7.230579	3	2.777683	0	
174	N180	1.014072	3	-7.489622	0	
175	N175A	-5.020833	3	4.373023	0	
176	N176A	-5.020833	3	4.623023	0	
177	N177A	5.020833	3	4.373023	0	
178	N178A	5.020833	3	4.623023	0	
179	N180A	6.297566	3	2.161658	0	
180	N181	6.514072	3	2.036658	0	
181	N182	1.276733	3	-6.534681	0	
182	N183	1.493239	3	-6.659681	0	
183	N185	-1.276733	3	-6.534681	0	
184	N186	-1.493239	3	-6.659681	0	
185	N187	-6.297566	3	2.161658	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N188	-6.514072	3	2.036658	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Re...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Re...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x1.5x3	Beam	Single Angle	A36 Gr.36	Typical	.621	.12	.248	.007
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Antenna Moun...	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Angle	L3X3X4	Column	Pipe	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N6	N87C		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N87B	N7		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			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
25	M25	N30A	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N40	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N50	N51			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N32	N55		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N57	N33		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N69	N60			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N79	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N61	N84		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N86	N62		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N93A	N94A			RIGID	None	None	RIGID	Typical
77	MP1A	N95	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			RIGID	None	None	RIGID	Typical
79	MP2A	N99	N100			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
80	M80A	N101A	N102A			RIGID	None	None	RIGID	Typical
81	MP3A	N103	N104			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
82	M82	N105A	N106			RIGID	None	None	RIGID	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N109	N110			RIGID	None	None	RIGID	Typical
85	M85A	N112	N111			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N114	N115			RIGID	None	None	RIGID	Typical
87	MP1C	N116	N117			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M88A	N118	N119			RIGID	None	None	RIGID	Typical
89	MP2C	N120	N121			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
90	M90	N122	N123			RIGID	None	None	RIGID	Typical
91	MP3C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N126	N127			RIGID	None	None	RIGID	Typical
93	MP4C	N128	N129			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N131A	N132			RIGID	None	None	RIGID	Typical
95	MP1B	N133	N134			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N135A	N136			RIGID	None	None	RIGID	Typical
97	MP2B	N137	N138			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
98	M98	N139	N140			RIGID	None	None	RIGID	Typical
99	MP3B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N143	N144A			RIGID	None	None	RIGID	Typical
101	MP4B	N145	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N146A	N145A			Support Rail	Column	Pipe	A53 Gr.B	Typical
103	M103	N148A	N149			RIGID	None	None	RIGID	Typical
104	M104	N150	N151			RIGID	None	None	RIGID	Typical
105	M105	N152	N153			RIGID	None	None	RIGID	Typical
106	M106	N154	N147			RIGID	None	None	RIGID	Typical
107	M107	N93A	N94A			RIGID	None	None	RIGID	Typical
108	M108	N159	N158			Support Rail	Column	Pipe	A53 Gr.B	Typical
109	M109	N161	N162			RIGID	None	None	RIGID	Typical
110	M110	N163	N164			RIGID	None	None	RIGID	Typical
111	M111	N165	N166			RIGID	None	None	RIGID	Typical
112	M112	N167	N160			RIGID	None	None	RIGID	Typical
113	M113	N114	N115			RIGID	None	None	RIGID	Typical
114	M114	N172	N171			Support Rail	Column	Pipe	A53 Gr.B	Typical
115	M115	N174	N175			RIGID	None	None	RIGID	Typical
116	M116	N176	N177			RIGID	None	None	RIGID	Typical
117	M117	N178	N179			RIGID	None	None	RIGID	Typical
118	M118	N180	N173			RIGID	None	None	RIGID	Typical
119	M119	N175A	N176A			RIGID	None	None	RIGID	Typical
120	M120	N177A	N178A			RIGID	None	None	RIGID	Typical
121	M121	N180A	N181			RIGID	None	None	RIGID	Typical
122	M122	N182	N183			RIGID	None	None	RIGID	Typical
123	M123	N185	N186			RIGID	None	None	RIGID	Typical
124	M124	N187	N188			RIGID	None	None	RIGID	Typical
125	M125	N187	N175A		180	Support Rail A...	Column	Pipe	A36 Gr.36	Typical
126	M126	N177A	N180A		180	Support Rail A...	Column	Pipe	A36 Gr.36	Typical
127	M127	N182	N185		180	Support Rail A...	Column	Pipe	A36 Gr.36	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	M4	Standoff Ho...	6.563			Lbyy						Lateral
2	M10	Platform Cr...	2.375			Lbyy						Lateral
3	M43	Platform Cr...	2.375			Lbyy						Lateral
4	M46	Corner Plate	1.031			Lbyy						Lateral
5	M51B	Grating Sup...	4.162			Lbyy						Lateral
6	M52B	Grating Sup...	4.162			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
7	M76	Cross Arm ...	.219									Lateral
8	M77	Cross Arm ...	.167									Lateral
9	M80	Corner Plate	.112			Lbyy						Lateral
10	M84	Cross Arm ...	.219									Lateral
11	M85	Cross Arm ...	.167									Lateral
12	M91	Corner Plate	.112			Lbyy						Lateral
13	M25	Standoff Ho...	6.563			Lbyy						Lateral
14	M26	Platform Cr...	2.375			Lbyy						Lateral
15	M27	Platform Cr...	2.375			Lbyy						Lateral
16	M28	Corner Plate	1.031			Lbyy						Lateral
17	M31	Grating Sup...	4.162			Lbyy						Lateral
18	M32	Grating Sup...	4.162			Lbyy						Lateral
19	M36	Cross Arm ...	.219									Lateral
20	M37	Cross Arm ...	.167									Lateral
21	M39	Corner Plate	.112			Lbyy						Lateral
22	M41	Cross Arm ...	.219									Lateral
23	M42	Cross Arm ...	.167									Lateral
24	M44	Corner Plate	.112			Lbyy						Lateral
25	M49	Standoff Ho...	6.563			Lbyy						Lateral
26	M50A	Platform Cr...	2.375			Lbyy						Lateral
27	M51C	Platform Cr...	2.375			Lbyy						Lateral
28	M52A	Corner Plate	1.031			Lbyy						Lateral
29	M55	Grating Sup...	4.162			Lbyy						Lateral
30	M56	Grating Sup...	4.162			Lbyy						Lateral
31	M60	Cross Arm ...	.219									Lateral
32	M61	Cross Arm ...	.167									Lateral
33	M63	Corner Plate	.112			Lbyy						Lateral
34	M65	Cross Arm ...	.219									Lateral
35	M66	Cross Arm ...	.167									Lateral
36	M68	Corner Plate	.112			Lbyy						Lateral
37	M73	Face Horizo...	14.458			Lbyy						Lateral
38	M74	Face Horizo...	14.458			Lbyy						Lateral
39	M75	Face Horizo...	14.458			Lbyy						Lateral
40	MP1A	Mount Pipe	7.583									Lateral
41	MP2A	Dual Antenn...	8									Lateral
42	MP3A	Mount Pipe	7.583									Lateral
43	MP4A	Mount Pipe	7.583									Lateral
44	M85A	Mount Pipe	3									Lateral
45	MP1C	Mount Pipe	7.583									Lateral
46	MP2C	Dual Antenn...	8									Lateral
47	MP3C	Mount Pipe	7.583									Lateral
48	MP4C	Mount Pipe	7.583									Lateral
49	MP1B	Mount Pipe	7.583									Lateral
50	MP2B	Dual Antenn...	8									Lateral
51	MP3B	Mount Pipe	7.583									Lateral
52	MP4B	Mount Pipe	7.583									Lateral
53	M102	Support Rail	14.458			Lbyy						Lateral
54	M108	Support Rail	14.458			Lbyy						Lateral
55	M114	Support Rail	14.458			Lbyy						Lateral
56	M125	Support Rail...	2.553									Lateral
57	M126	Support Rail...	2.553									Lateral
58	M127	Support Rail...	2.553									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-25.8	1
2	MP2A	My	-.013	1
3	MP2A	Mz	.015	1
4	MP2A	Y	-25.8	5
5	MP2A	My	-.013	5
6	MP2A	Mz	.015	5
7	MP2B	Y	-25.8	1
8	MP2B	My	-.007	1
9	MP2B	Mz	-.019	1
10	MP2B	Y	-25.8	5
11	MP2B	My	-.007	5
12	MP2B	Mz	-.019	5
13	MP2C	Y	-25.8	1
14	MP2C	My	.019	1
15	MP2C	Mz	.004	1
16	MP2C	Y	-25.8	5
17	MP2C	My	.019	5
18	MP2C	Mz	.004	5
19	MP2A	Y	-25.8	1
20	MP2A	My	-.013	1
21	MP2A	Mz	-.015	1
22	MP2A	Y	-25.8	5
23	MP2A	My	-.013	5
24	MP2A	Mz	-.015	5
25	MP2B	Y	-25.8	1
26	MP2B	My	.019	1
27	MP2B	Mz	-.004	1
28	MP2B	Y	-25.8	5
29	MP2B	My	.019	5
30	MP2B	Mz	-.004	5
31	MP2C	Y	-25.8	1
32	MP2C	My	-.007	1
33	MP2C	Mz	.019	1
34	MP2C	Y	-25.8	5
35	MP2C	My	-.007	5
36	MP2C	Mz	.019	5
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-.019	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-.019	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.011	2
51	MP4C	Mz	.019	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.011	4
54	MP4C	Mz	.019	4
55	M85A	Y	-32	1.5
56	M85A	My	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	M85A	Mz	0	1.5
58	MP3A	Y	-84.4	2.5
59	MP3A	My	.042	2.5
60	MP3A	Mz	0	2.5
61	MP3B	Y	-84.4	2.5
62	MP3B	My	-.021	2.5
63	MP3B	Mz	.037	2.5
64	MP3C	Y	-84.4	2.5
65	MP3C	My	-.021	2.5
66	MP3C	Mz	-.037	2.5
67	MP2A	Y	-70.3	2.5
68	MP2A	My	.035	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-70.3	2.5
71	MP2B	My	-.018	2.5
72	MP2B	Mz	.03	2.5
73	MP2C	Y	-70.3	2.5
74	MP2C	My	-.018	2.5
75	MP2C	Mz	-.03	2.5
76	MP1A	Y	-9	.5
77	MP1A	My	-.004	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-9	5.5
80	MP1A	My	-.004	5.5
81	MP1A	Mz	0	5.5
82	MP1B	Y	-9	.5
83	MP1B	My	.002	.5
84	MP1B	Mz	-.004	.5
85	MP1B	Y	-9	5.5
86	MP1B	My	.002	5.5
87	MP1B	Mz	-.004	5.5
88	MP1C	Y	-9	.5
89	MP1C	My	.002	.5
90	MP1C	Mz	.004	.5
91	MP1C	Y	-9	5.5
92	MP1C	My	.002	5.5
93	MP1C	Mz	.004	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-78.471	1
2	MP2A	My	-.039	1
3	MP2A	Mz	.046	1
4	MP2A	Y	-78.471	5
5	MP2A	My	-.039	5
6	MP2A	Mz	.046	5
7	MP2B	Y	-78.471	1
8	MP2B	My	-.02	1
9	MP2B	Mz	-.057	1
10	MP2B	Y	-78.471	5
11	MP2B	My	-.02	5
12	MP2B	Mz	-.057	5
13	MP2C	Y	-78.471	1
14	MP2C	My	.059	1
15	MP2C	Mz	.011	1
16	MP2C	Y	-78.471	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	My	.059	5
18	MP2C	Mz	.011	5
19	MP2A	Y	-78.471	1
20	MP2A	My	-.039	1
21	MP2A	Mz	-.046	1
22	MP2A	Y	-78.471	5
23	MP2A	My	-.039	5
24	MP2A	Mz	-.046	5
25	MP2B	Y	-78.471	1
26	MP2B	My	.059	1
27	MP2B	Mz	-.011	1
28	MP2B	Y	-78.471	5
29	MP2B	My	.059	5
30	MP2B	Mz	-.011	5
31	MP2C	Y	-78.471	1
32	MP2C	My	-.02	1
33	MP2C	Mz	.057	1
34	MP2C	Y	-78.471	5
35	MP2C	My	-.02	5
36	MP2C	Mz	.057	5
37	MP4A	Y	-35.248	2
38	MP4A	My	-.018	2
39	MP4A	Mz	0	2
40	MP4A	Y	-35.248	4
41	MP4A	My	-.018	4
42	MP4A	Mz	0	4
43	MP4B	Y	-35.248	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.015	2
46	MP4B	Y	-35.248	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.015	4
49	MP4C	Y	-35.248	2
50	MP4C	My	.009	2
51	MP4C	Mz	.015	2
52	MP4C	Y	-35.248	4
53	MP4C	My	.009	4
54	MP4C	Mz	.015	4
55	M85A	Y	-87.026	1.5
56	M85A	My	0	1.5
57	M85A	Mz	0	1.5
58	MP3A	Y	-44.433	2.5
59	MP3A	My	.022	2.5
60	MP3A	Mz	0	2.5
61	MP3B	Y	-44.433	2.5
62	MP3B	My	-.011	2.5
63	MP3B	Mz	.019	2.5
64	MP3C	Y	-44.433	2.5
65	MP3C	My	-.011	2.5
66	MP3C	Mz	-.019	2.5
67	MP2A	Y	-39.956	2.5
68	MP2A	My	.02	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-39.956	2.5
71	MP2B	My	-.01	2.5
72	MP2B	Mz	.017	2.5
73	MP2C	Y	-39.956	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2C	My	-.01	2.5
75	MP2C	Mz	-.017	2.5
76	MP1A	Y	-44.068	.5
77	MP1A	My	-.022	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-44.068	5.5
80	MP1A	My	-.022	5.5
81	MP1A	Mz	0	5.5
82	MP1B	Y	-44.068	.5
83	MP1B	My	.011	.5
84	MP1B	Mz	-.019	.5
85	MP1B	Y	-44.068	5.5
86	MP1B	My	.011	5.5
87	MP1B	Mz	-.019	5.5
88	MP1C	Y	-44.068	.5
89	MP1C	My	.011	.5
90	MP1C	Mz	.019	.5
91	MP1C	Y	-44.068	5.5
92	MP1C	My	.011	5.5
93	MP1C	Mz	.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-164.928	1
3	MP2A	Mx	-.096	1
4	MP2A	X	0	5
5	MP2A	Z	-164.928	5
6	MP2A	Mx	-.096	5
7	MP2B	X	0	1
8	MP2B	Z	-124.371	1
9	MP2B	Mx	.09	1
10	MP2B	X	0	5
11	MP2B	Z	-124.371	5
12	MP2B	Mx	.09	5
13	MP2C	X	0	1
14	MP2C	Z	-124.371	1
15	MP2C	Mx	-.018	1
16	MP2C	X	0	5
17	MP2C	Z	-124.371	5
18	MP2C	Mx	-.018	5
19	MP2A	X	0	1
20	MP2A	Z	-164.928	1
21	MP2A	Mx	.096	1
22	MP2A	X	0	5
23	MP2A	Z	-164.928	5
24	MP2A	Mx	.096	5
25	MP2B	X	0	1
26	MP2B	Z	-124.371	1
27	MP2B	Mx	.018	1
28	MP2B	X	0	5
29	MP2B	Z	-124.371	5
30	MP2B	Mx	.018	5
31	MP2C	X	0	1
32	MP2C	Z	-124.371	1
33	MP2C	Mx	-.09	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	0	5
35	MP2C	Z	-124.371	5
36	MP2C	Mx	-.09	5
37	MP4A	X	0	2
38	MP4A	Z	-68.056	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-68.056	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-36.997	2
45	MP4B	Mx	.016	2
46	MP4B	X	0	4
47	MP4B	Z	-36.997	4
48	MP4B	Mx	.016	4
49	MP4C	X	0	2
50	MP4C	Z	-36.997	2
51	MP4C	Mx	-.016	2
52	MP4C	X	0	4
53	MP4C	Z	-36.997	4
54	MP4C	Mx	-.016	4
55	M85A	X	0	1.5
56	M85A	Z	-110.609	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	0	2.5
59	MP3A	Z	-54.155	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	-40.689	2.5
63	MP3B	Mx	-.018	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	-40.689	2.5
66	MP3C	Mx	.018	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-54.155	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-35.53	2.5
72	MP2B	Mx	-.015	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-35.53	2.5
75	MP2C	Mx	.015	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-83.405	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-83.405	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-70.381	.5
84	MP1B	Mx	.03	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-70.381	5.5
87	MP1B	Mx	.03	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-70.381	.5
90	MP1C	Mx	-.03	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	0	5.5
92	MP1C	Z	-70.381	5.5
93	MP1C	Mx	-.03	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	75.704	1
2	MP2A	Z	-131.124	1
3	MP2A	Mx	-.114	1
4	MP2A	X	75.704	5
5	MP2A	Z	-131.124	5
6	MP2A	Mx	-.114	5
7	MP2B	X	55.426	1
8	MP2B	Z	-96.001	1
9	MP2B	Mx	.055	1
10	MP2B	X	55.426	5
11	MP2B	Z	-96.001	5
12	MP2B	Mx	.055	5
13	MP2C	X	75.704	1
14	MP2C	Z	-131.124	1
15	MP2C	Mx	.039	1
16	MP2C	X	75.704	5
17	MP2C	Z	-131.124	5
18	MP2C	Mx	.039	5
19	MP2A	X	75.704	1
20	MP2A	Z	-131.124	1
21	MP2A	Mx	.039	1
22	MP2A	X	75.704	5
23	MP2A	Z	-131.124	5
24	MP2A	Mx	.039	5
25	MP2B	X	55.426	1
26	MP2B	Z	-96.001	1
27	MP2B	Mx	.055	1
28	MP2B	X	55.426	5
29	MP2B	Z	-96.001	5
30	MP2B	Mx	.055	5
31	MP2C	X	75.704	1
32	MP2C	Z	-131.124	1
33	MP2C	Mx	-.114	1
34	MP2C	X	75.704	5
35	MP2C	Z	-131.124	5
36	MP2C	Mx	-.114	5
37	MP4A	X	28.852	2
38	MP4A	Z	-49.972	2
39	MP4A	Mx	-.014	2
40	MP4A	X	28.852	4
41	MP4A	Z	-49.972	4
42	MP4A	Mx	-.014	4
43	MP4B	X	13.322	2
44	MP4B	Z	-23.074	2
45	MP4B	Mx	.013	2
46	MP4B	X	13.322	4
47	MP4B	Z	-23.074	4
48	MP4B	Mx	.013	4
49	MP4C	X	28.852	2
50	MP4C	Z	-49.972	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.014	2
52	MP4C	X	28.852	4
53	MP4C	Z	-49.972	4
54	MP4C	Mx	-.014	4
55	M85A	X	48.336	1.5
56	M85A	Z	-83.721	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	24.833	2.5
59	MP3A	Z	-43.012	2.5
60	MP3A	Mx	.012	2.5
61	MP3B	X	18.1	2.5
62	MP3B	Z	-31.35	2.5
63	MP3B	Mx	-.018	2.5
64	MP3C	X	24.833	2.5
65	MP3C	Z	-43.012	2.5
66	MP3C	Mx	.012	2.5
67	MP2A	X	23.973	2.5
68	MP2A	Z	-41.523	2.5
69	MP2A	Mx	.012	2.5
70	MP2B	X	14.661	2.5
71	MP2B	Z	-25.394	2.5
72	MP2B	Mx	-.015	2.5
73	MP2C	X	23.973	2.5
74	MP2C	Z	-41.523	2.5
75	MP2C	Mx	.012	2.5
76	MP1A	X	39.532	.5
77	MP1A	Z	-68.471	.5
78	MP1A	Mx	-.02	.5
79	MP1A	X	39.532	5.5
80	MP1A	Z	-68.471	5.5
81	MP1A	Mx	-.02	5.5
82	MP1B	X	33.02	.5
83	MP1B	Z	-57.192	.5
84	MP1B	Mx	.033	.5
85	MP1B	X	33.02	5.5
86	MP1B	Z	-57.192	5.5
87	MP1B	Mx	.033	5.5
88	MP1C	X	39.532	.5
89	MP1C	Z	-68.471	.5
90	MP1C	Mx	-.02	.5
91	MP1C	X	39.532	5.5
92	MP1C	Z	-68.471	5.5
93	MP1C	Mx	-.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	107.709	1
2	MP2A	Z	-62.186	1
3	MP2A	Mx	-.09	1
4	MP2A	X	107.709	5
5	MP2A	Z	-62.186	5
6	MP2A	Mx	-.09	5
7	MP2B	X	107.709	1
8	MP2B	Z	-62.186	1
9	MP2B	Mx	.018	1
10	MP2B	X	107.709	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-62.186	5
12	MP2B	Mx	.018	5
13	MP2C	X	142.831	1
14	MP2C	Z	-82.464	1
15	MP2C	Mx	.096	1
16	MP2C	X	142.831	5
17	MP2C	Z	-82.464	5
18	MP2C	Mx	.096	5
19	MP2A	X	107.709	1
20	MP2A	Z	-62.186	1
21	MP2A	Mx	-.018	1
22	MP2A	X	107.709	5
23	MP2A	Z	-62.186	5
24	MP2A	Mx	-.018	5
25	MP2B	X	107.709	1
26	MP2B	Z	-62.186	1
27	MP2B	Mx	.09	1
28	MP2B	X	107.709	5
29	MP2B	Z	-62.186	5
30	MP2B	Mx	.09	5
31	MP2C	X	142.831	1
32	MP2C	Z	-82.464	1
33	MP2C	Mx	-.096	1
34	MP2C	X	142.831	5
35	MP2C	Z	-82.464	5
36	MP2C	Mx	-.096	5
37	MP4A	X	32.04	2
38	MP4A	Z	-18.498	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.04	4
41	MP4A	Z	-18.498	4
42	MP4A	Mx	-.016	4
43	MP4B	X	32.04	2
44	MP4B	Z	-18.498	2
45	MP4B	Mx	.016	2
46	MP4B	X	32.04	4
47	MP4B	Z	-18.498	4
48	MP4B	Mx	.016	4
49	MP4C	X	58.938	2
50	MP4C	Z	-34.028	2
51	MP4C	Mx	0	2
52	MP4C	X	58.938	4
53	MP4C	Z	-34.028	4
54	MP4C	Mx	0	4
55	M85A	X	77.686	1.5
56	M85A	Z	-44.852	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	35.238	2.5
59	MP3A	Z	-20.344	2.5
60	MP3A	Mx	.018	2.5
61	MP3B	X	35.238	2.5
62	MP3B	Z	-20.344	2.5
63	MP3B	Mx	-.018	2.5
64	MP3C	X	46.9	2.5
65	MP3C	Z	-27.078	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	30.77	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-17.765	2.5
69	MP2A	Mx	.015	2.5
70	MP2B	X	30.77	2.5
71	MP2B	Z	-17.765	2.5
72	MP2B	Mx	-.015	2.5
73	MP2C	X	46.9	2.5
74	MP2C	Z	-27.078	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	60.952	.5
77	MP1A	Z	-35.191	.5
78	MP1A	Mx	-.03	.5
79	MP1A	X	60.952	5.5
80	MP1A	Z	-35.191	5.5
81	MP1A	Mx	-.03	5.5
82	MP1B	X	60.952	.5
83	MP1B	Z	-35.191	.5
84	MP1B	Mx	.03	.5
85	MP1B	X	60.952	5.5
86	MP1B	Z	-35.191	5.5
87	MP1B	Mx	.03	5.5
88	MP1C	X	72.231	.5
89	MP1C	Z	-41.702	.5
90	MP1C	Mx	0	.5
91	MP1C	X	72.231	5.5
92	MP1C	Z	-41.702	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	110.853	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.055	1
4	MP2A	X	110.853	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.055	5
7	MP2B	X	151.409	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.039	1
10	MP2B	X	151.409	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.039	5
13	MP2C	X	151.409	1
14	MP2C	Z	0	1
15	MP2C	Mx	.114	1
16	MP2C	X	151.409	5
17	MP2C	Z	0	5
18	MP2C	Mx	.114	5
19	MP2A	X	110.853	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.055	1
22	MP2A	X	110.853	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.055	5
25	MP2B	X	151.409	1
26	MP2B	Z	0	1
27	MP2B	Mx	.114	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	151.409	5
29	MP2B	Z	0	5
30	MP2B	Mx	.114	5
31	MP2C	X	151.409	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.039	1
34	MP2C	X	151.409	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.039	5
37	MP4A	X	26.644	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.013	2
40	MP4A	X	26.644	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.013	4
43	MP4B	X	57.703	2
44	MP4B	Z	0	2
45	MP4B	Mx	.014	2
46	MP4B	X	57.703	4
47	MP4B	Z	0	4
48	MP4B	Mx	.014	4
49	MP4C	X	57.703	2
50	MP4C	Z	0	2
51	MP4C	Mx	.014	2
52	MP4C	X	57.703	4
53	MP4C	Z	0	4
54	MP4C	Mx	.014	4
55	M85A	X	96.672	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	36.2	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	.018	2.5
61	MP3B	X	49.666	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	-.012	2.5
64	MP3C	X	49.666	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	-.012	2.5
67	MP2A	X	29.322	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.015	2.5
70	MP2B	X	47.947	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.012	2.5
73	MP2C	X	47.947	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.012	2.5
76	MP1A	X	66.04	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.033	.5
79	MP1A	X	66.04	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.033	5.5
82	MP1B	X	79.064	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.02	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	79.064	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.02	5.5
88	MP1C	X	79.064	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.02	.5
91	MP1C	X	79.064	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	107.709	1
2	MP2A	Z	62.186	1
3	MP2A	Mx	-.018	1
4	MP2A	X	107.709	5
5	MP2A	Z	62.186	5
6	MP2A	Mx	-.018	5
7	MP2B	X	142.831	1
8	MP2B	Z	82.464	1
9	MP2B	Mx	-.096	1
10	MP2B	X	142.831	5
11	MP2B	Z	82.464	5
12	MP2B	Mx	-.096	5
13	MP2C	X	107.709	1
14	MP2C	Z	62.186	1
15	MP2C	Mx	.09	1
16	MP2C	X	107.709	5
17	MP2C	Z	62.186	5
18	MP2C	Mx	.09	5
19	MP2A	X	107.709	1
20	MP2A	Z	62.186	1
21	MP2A	Mx	-.09	1
22	MP2A	X	107.709	5
23	MP2A	Z	62.186	5
24	MP2A	Mx	-.09	5
25	MP2B	X	142.831	1
26	MP2B	Z	82.464	1
27	MP2B	Mx	.096	1
28	MP2B	X	142.831	5
29	MP2B	Z	82.464	5
30	MP2B	Mx	.096	5
31	MP2C	X	107.709	1
32	MP2C	Z	62.186	1
33	MP2C	Mx	.018	1
34	MP2C	X	107.709	5
35	MP2C	Z	62.186	5
36	MP2C	Mx	.018	5
37	MP4A	X	32.04	2
38	MP4A	Z	18.498	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.04	4
41	MP4A	Z	18.498	4
42	MP4A	Mx	-.016	4
43	MP4B	X	58.938	2
44	MP4B	Z	34.028	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	0	2
46	MP4B	X	58.938	4
47	MP4B	Z	34.028	4
48	MP4B	Mx	0	4
49	MP4C	X	32.04	2
50	MP4C	Z	18.498	2
51	MP4C	Mx	.016	2
52	MP4C	X	32.04	4
53	MP4C	Z	18.498	4
54	MP4C	Mx	.016	4
55	M85A	X	95.79	1.5
56	M85A	Z	55.305	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	35.238	2.5
59	MP3A	Z	20.344	2.5
60	MP3A	Mx	.018	2.5
61	MP3B	X	46.9	2.5
62	MP3B	Z	27.078	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	35.238	2.5
65	MP3C	Z	20.344	2.5
66	MP3C	Mx	-.018	2.5
67	MP2A	X	30.77	2.5
68	MP2A	Z	17.765	2.5
69	MP2A	Mx	.015	2.5
70	MP2B	X	46.9	2.5
71	MP2B	Z	27.078	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	30.77	2.5
74	MP2C	Z	17.765	2.5
75	MP2C	Mx	-.015	2.5
76	MP1A	X	60.952	.5
77	MP1A	Z	35.191	.5
78	MP1A	Mx	-.03	.5
79	MP1A	X	60.952	5.5
80	MP1A	Z	35.191	5.5
81	MP1A	Mx	-.03	5.5
82	MP1B	X	72.231	.5
83	MP1B	Z	41.702	.5
84	MP1B	Mx	0	.5
85	MP1B	X	72.231	5.5
86	MP1B	Z	41.702	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	60.952	.5
89	MP1C	Z	35.191	.5
90	MP1C	Mx	.03	.5
91	MP1C	X	60.952	5.5
92	MP1C	Z	35.191	5.5
93	MP1C	Mx	.03	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	75.704	1
2	MP2A	Z	131.124	1
3	MP2A	Mx	.039	1
4	MP2A	X	75.704	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	131.124	5
6	MP2A	Mx	.039	5
7	MP2B	X	75.704	1
8	MP2B	Z	131.124	1
9	MP2B	Mx	-.114	1
10	MP2B	X	75.704	5
11	MP2B	Z	131.124	5
12	MP2B	Mx	-.114	5
13	MP2C	X	55.426	1
14	MP2C	Z	96.001	1
15	MP2C	Mx	.055	1
16	MP2C	X	55.426	5
17	MP2C	Z	96.001	5
18	MP2C	Mx	.055	5
19	MP2A	X	75.704	1
20	MP2A	Z	131.124	1
21	MP2A	Mx	-.114	1
22	MP2A	X	75.704	5
23	MP2A	Z	131.124	5
24	MP2A	Mx	-.114	5
25	MP2B	X	75.704	1
26	MP2B	Z	131.124	1
27	MP2B	Mx	.039	1
28	MP2B	X	75.704	5
29	MP2B	Z	131.124	5
30	MP2B	Mx	.039	5
31	MP2C	X	55.426	1
32	MP2C	Z	96.001	1
33	MP2C	Mx	.055	1
34	MP2C	X	55.426	5
35	MP2C	Z	96.001	5
36	MP2C	Mx	.055	5
37	MP4A	X	28.852	2
38	MP4A	Z	49.972	2
39	MP4A	Mx	-.014	2
40	MP4A	X	28.852	4
41	MP4A	Z	49.972	4
42	MP4A	Mx	-.014	4
43	MP4B	X	28.852	2
44	MP4B	Z	49.972	2
45	MP4B	Mx	-.014	2
46	MP4B	X	28.852	4
47	MP4B	Z	49.972	4
48	MP4B	Mx	-.014	4
49	MP4C	X	13.322	2
50	MP4C	Z	23.074	2
51	MP4C	Mx	.013	2
52	MP4C	X	13.322	4
53	MP4C	Z	23.074	4
54	MP4C	Mx	.013	4
55	M85A	X	58.789	1.5
56	M85A	Z	101.825	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	24.833	2.5
59	MP3A	Z	43.012	2.5
60	MP3A	Mx	.012	2.5
61	MP3B	X	24.833	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3B	Z	43.012	2.5
63	MP3B	Mx	.012	2.5
64	MP3C	X	18.1	2.5
65	MP3C	Z	31.35	2.5
66	MP3C	Mx	-.018	2.5
67	MP2A	X	23.973	2.5
68	MP2A	Z	41.523	2.5
69	MP2A	Mx	.012	2.5
70	MP2B	X	23.973	2.5
71	MP2B	Z	41.523	2.5
72	MP2B	Mx	.012	2.5
73	MP2C	X	14.661	2.5
74	MP2C	Z	25.394	2.5
75	MP2C	Mx	-.015	2.5
76	MP1A	X	39.532	.5
77	MP1A	Z	68.471	.5
78	MP1A	Mx	-.02	.5
79	MP1A	X	39.532	5.5
80	MP1A	Z	68.471	5.5
81	MP1A	Mx	-.02	5.5
82	MP1B	X	39.532	.5
83	MP1B	Z	68.471	.5
84	MP1B	Mx	-.02	.5
85	MP1B	X	39.532	5.5
86	MP1B	Z	68.471	5.5
87	MP1B	Mx	-.02	5.5
88	MP1C	X	33.02	.5
89	MP1C	Z	57.192	.5
90	MP1C	Mx	.033	.5
91	MP1C	X	33.02	5.5
92	MP1C	Z	57.192	5.5
93	MP1C	Mx	.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	164.928	1
3	MP2A	Mx	.096	1
4	MP2A	X	0	5
5	MP2A	Z	164.928	5
6	MP2A	Mx	.096	5
7	MP2B	X	0	1
8	MP2B	Z	124.371	1
9	MP2B	Mx	-.09	1
10	MP2B	X	0	5
11	MP2B	Z	124.371	5
12	MP2B	Mx	-.09	5
13	MP2C	X	0	1
14	MP2C	Z	124.371	1
15	MP2C	Mx	.018	1
16	MP2C	X	0	5
17	MP2C	Z	124.371	5
18	MP2C	Mx	.018	5
19	MP2A	X	0	1
20	MP2A	Z	164.928	1
21	MP2A	Mx	-.096	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	0	5
23	MP2A	Z	164.928	5
24	MP2A	Mx	-.096	5
25	MP2B	X	0	1
26	MP2B	Z	124.371	1
27	MP2B	Mx	-.018	1
28	MP2B	X	0	5
29	MP2B	Z	124.371	5
30	MP2B	Mx	-.018	5
31	MP2C	X	0	1
32	MP2C	Z	124.371	1
33	MP2C	Mx	.09	1
34	MP2C	X	0	5
35	MP2C	Z	124.371	5
36	MP2C	Mx	.09	5
37	MP4A	X	0	2
38	MP4A	Z	68.056	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	68.056	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	36.997	2
45	MP4B	Mx	-.016	2
46	MP4B	X	0	4
47	MP4B	Z	36.997	4
48	MP4B	Mx	-.016	4
49	MP4C	X	0	2
50	MP4C	Z	36.997	2
51	MP4C	Mx	.016	2
52	MP4C	X	0	4
53	MP4C	Z	36.997	4
54	MP4C	Mx	.016	4
55	M85A	X	0	1.5
56	M85A	Z	110.609	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	0	2.5
59	MP3A	Z	54.155	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	40.689	2.5
63	MP3B	Mx	.018	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	40.689	2.5
66	MP3C	Mx	-.018	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	54.155	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	35.53	2.5
72	MP2B	Mx	.015	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	35.53	2.5
75	MP2C	Mx	-.015	2.5
76	MP1A	X	0	.5
77	MP1A	Z	83.405	.5
78	MP1A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	0	5.5
80	MP1A	Z	83.405	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	70.381	.5
84	MP1B	Mx	-.03	.5
85	MP1B	X	0	5.5
86	MP1B	Z	70.381	5.5
87	MP1B	Mx	-.03	5.5
88	MP1C	X	0	.5
89	MP1C	Z	70.381	.5
90	MP1C	Mx	.03	.5
91	MP1C	X	0	5.5
92	MP1C	Z	70.381	5.5
93	MP1C	Mx	.03	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-75.704	1
2	MP2A	Z	131.124	1
3	MP2A	Mx	.114	1
4	MP2A	X	-75.704	5
5	MP2A	Z	131.124	5
6	MP2A	Mx	.114	5
7	MP2B	X	-55.426	1
8	MP2B	Z	96.001	1
9	MP2B	Mx	-.055	1
10	MP2B	X	-55.426	5
11	MP2B	Z	96.001	5
12	MP2B	Mx	-.055	5
13	MP2C	X	-75.704	1
14	MP2C	Z	131.124	1
15	MP2C	Mx	-.039	1
16	MP2C	X	-75.704	5
17	MP2C	Z	131.124	5
18	MP2C	Mx	-.039	5
19	MP2A	X	-75.704	1
20	MP2A	Z	131.124	1
21	MP2A	Mx	-.039	1
22	MP2A	X	-75.704	5
23	MP2A	Z	131.124	5
24	MP2A	Mx	-.039	5
25	MP2B	X	-55.426	1
26	MP2B	Z	96.001	1
27	MP2B	Mx	-.055	1
28	MP2B	X	-55.426	5
29	MP2B	Z	96.001	5
30	MP2B	Mx	-.055	5
31	MP2C	X	-75.704	1
32	MP2C	Z	131.124	1
33	MP2C	Mx	.114	1
34	MP2C	X	-75.704	5
35	MP2C	Z	131.124	5
36	MP2C	Mx	.114	5
37	MP4A	X	-28.852	2
38	MP4A	Z	49.972	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.014	2
40	MP4A	X	-28.852	4
41	MP4A	Z	49.972	4
42	MP4A	Mx	.014	4
43	MP4B	X	-13.322	2
44	MP4B	Z	23.074	2
45	MP4B	Mx	-.013	2
46	MP4B	X	-13.322	4
47	MP4B	Z	23.074	4
48	MP4B	Mx	-.013	4
49	MP4C	X	-28.852	2
50	MP4C	Z	49.972	2
51	MP4C	Mx	.014	2
52	MP4C	X	-28.852	4
53	MP4C	Z	49.972	4
54	MP4C	Mx	.014	4
55	M85A	X	-48.336	1.5
56	M85A	Z	83.721	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-24.833	2.5
59	MP3A	Z	43.012	2.5
60	MP3A	Mx	-.012	2.5
61	MP3B	X	-18.1	2.5
62	MP3B	Z	31.35	2.5
63	MP3B	Mx	.018	2.5
64	MP3C	X	-24.833	2.5
65	MP3C	Z	43.012	2.5
66	MP3C	Mx	-.012	2.5
67	MP2A	X	-23.973	2.5
68	MP2A	Z	41.523	2.5
69	MP2A	Mx	-.012	2.5
70	MP2B	X	-14.661	2.5
71	MP2B	Z	25.394	2.5
72	MP2B	Mx	.015	2.5
73	MP2C	X	-23.973	2.5
74	MP2C	Z	41.523	2.5
75	MP2C	Mx	-.012	2.5
76	MP1A	X	-39.532	.5
77	MP1A	Z	68.471	.5
78	MP1A	Mx	.02	.5
79	MP1A	X	-39.532	5.5
80	MP1A	Z	68.471	5.5
81	MP1A	Mx	.02	5.5
82	MP1B	X	-33.02	.5
83	MP1B	Z	57.192	.5
84	MP1B	Mx	-.033	.5
85	MP1B	X	-33.02	5.5
86	MP1B	Z	57.192	5.5
87	MP1B	Mx	-.033	5.5
88	MP1C	X	-39.532	.5
89	MP1C	Z	68.471	.5
90	MP1C	Mx	.02	.5
91	MP1C	X	-39.532	5.5
92	MP1C	Z	68.471	5.5
93	MP1C	Mx	.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-107.709	1
2	MP2A	Z	62.186	1
3	MP2A	Mx	.09	1
4	MP2A	X	-107.709	5
5	MP2A	Z	62.186	5
6	MP2A	Mx	.09	5
7	MP2B	X	-107.709	1
8	MP2B	Z	62.186	1
9	MP2B	Mx	-.018	1
10	MP2B	X	-107.709	5
11	MP2B	Z	62.186	5
12	MP2B	Mx	-.018	5
13	MP2C	X	-142.831	1
14	MP2C	Z	82.464	1
15	MP2C	Mx	-.096	1
16	MP2C	X	-142.831	5
17	MP2C	Z	82.464	5
18	MP2C	Mx	-.096	5
19	MP2A	X	-107.709	1
20	MP2A	Z	62.186	1
21	MP2A	Mx	.018	1
22	MP2A	X	-107.709	5
23	MP2A	Z	62.186	5
24	MP2A	Mx	.018	5
25	MP2B	X	-107.709	1
26	MP2B	Z	62.186	1
27	MP2B	Mx	-.09	1
28	MP2B	X	-107.709	5
29	MP2B	Z	62.186	5
30	MP2B	Mx	-.09	5
31	MP2C	X	-142.831	1
32	MP2C	Z	82.464	1
33	MP2C	Mx	.096	1
34	MP2C	X	-142.831	5
35	MP2C	Z	82.464	5
36	MP2C	Mx	.096	5
37	MP4A	X	-32.04	2
38	MP4A	Z	18.498	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.04	4
41	MP4A	Z	18.498	4
42	MP4A	Mx	.016	4
43	MP4B	X	-32.04	2
44	MP4B	Z	18.498	2
45	MP4B	Mx	-.016	2
46	MP4B	X	-32.04	4
47	MP4B	Z	18.498	4
48	MP4B	Mx	-.016	4
49	MP4C	X	-58.938	2
50	MP4C	Z	34.028	2
51	MP4C	Mx	0	2
52	MP4C	X	-58.938	4
53	MP4C	Z	34.028	4
54	MP4C	Mx	0	4
55	M85A	X	-77.686	1.5
56	M85A	Z	44.852	1.5
57	M85A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-35.238	2.5
59	MP3A	Z	20.344	2.5
60	MP3A	Mx	-.018	2.5
61	MP3B	X	-35.238	2.5
62	MP3B	Z	20.344	2.5
63	MP3B	Mx	.018	2.5
64	MP3C	X	-46.9	2.5
65	MP3C	Z	27.078	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	-30.77	2.5
68	MP2A	Z	17.765	2.5
69	MP2A	Mx	-.015	2.5
70	MP2B	X	-30.77	2.5
71	MP2B	Z	17.765	2.5
72	MP2B	Mx	.015	2.5
73	MP2C	X	-46.9	2.5
74	MP2C	Z	27.078	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-60.952	.5
77	MP1A	Z	35.191	.5
78	MP1A	Mx	.03	.5
79	MP1A	X	-60.952	5.5
80	MP1A	Z	35.191	5.5
81	MP1A	Mx	.03	5.5
82	MP1B	X	-60.952	.5
83	MP1B	Z	35.191	.5
84	MP1B	Mx	-.03	.5
85	MP1B	X	-60.952	5.5
86	MP1B	Z	35.191	5.5
87	MP1B	Mx	-.03	5.5
88	MP1C	X	-72.231	.5
89	MP1C	Z	41.702	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-72.231	5.5
92	MP1C	Z	41.702	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-110.853	1
2	MP2A	Z	0	1
3	MP2A	Mx	.055	1
4	MP2A	X	-110.853	5
5	MP2A	Z	0	5
6	MP2A	Mx	.055	5
7	MP2B	X	-151.409	1
8	MP2B	Z	0	1
9	MP2B	Mx	.039	1
10	MP2B	X	-151.409	5
11	MP2B	Z	0	5
12	MP2B	Mx	.039	5
13	MP2C	X	-151.409	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.114	1
16	MP2C	X	-151.409	5
17	MP2C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.114	5
19	MP2A	X	-110.853	1
20	MP2A	Z	0	1
21	MP2A	Mx	.055	1
22	MP2A	X	-110.853	5
23	MP2A	Z	0	5
24	MP2A	Mx	.055	5
25	MP2B	X	-151.409	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.114	1
28	MP2B	X	-151.409	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.114	5
31	MP2C	X	-151.409	1
32	MP2C	Z	0	1
33	MP2C	Mx	.039	1
34	MP2C	X	-151.409	5
35	MP2C	Z	0	5
36	MP2C	Mx	.039	5
37	MP4A	X	-26.644	2
38	MP4A	Z	0	2
39	MP4A	Mx	.013	2
40	MP4A	X	-26.644	4
41	MP4A	Z	0	4
42	MP4A	Mx	.013	4
43	MP4B	X	-57.703	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.014	2
46	MP4B	X	-57.703	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.014	4
49	MP4C	X	-57.703	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.014	2
52	MP4C	X	-57.703	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.014	4
55	M85A	X	-96.672	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-36.2	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	-.018	2.5
61	MP3B	X	-49.666	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.012	2.5
64	MP3C	X	-49.666	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	.012	2.5
67	MP2A	X	-29.322	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.015	2.5
70	MP2B	X	-47.947	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.012	2.5
73	MP2C	X	-47.947	2.5
74	MP2C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	.012	2.5
76	MP1A	X	-66.04	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.033	.5
79	MP1A	X	-66.04	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.033	5.5
82	MP1B	X	-79.064	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.02	.5
85	MP1B	X	-79.064	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.02	5.5
88	MP1C	X	-79.064	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.02	.5
91	MP1C	X	-79.064	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-107.709	1
2	MP2A	Z	-62.186	1
3	MP2A	Mx	.018	1
4	MP2A	X	-107.709	5
5	MP2A	Z	-62.186	5
6	MP2A	Mx	.018	5
7	MP2B	X	-142.831	1
8	MP2B	Z	-82.464	1
9	MP2B	Mx	.096	1
10	MP2B	X	-142.831	5
11	MP2B	Z	-82.464	5
12	MP2B	Mx	.096	5
13	MP2C	X	-107.709	1
14	MP2C	Z	-62.186	1
15	MP2C	Mx	-.09	1
16	MP2C	X	-107.709	5
17	MP2C	Z	-62.186	5
18	MP2C	Mx	-.09	5
19	MP2A	X	-107.709	1
20	MP2A	Z	-62.186	1
21	MP2A	Mx	.09	1
22	MP2A	X	-107.709	5
23	MP2A	Z	-62.186	5
24	MP2A	Mx	.09	5
25	MP2B	X	-142.831	1
26	MP2B	Z	-82.464	1
27	MP2B	Mx	-.096	1
28	MP2B	X	-142.831	5
29	MP2B	Z	-82.464	5
30	MP2B	Mx	-.096	5
31	MP2C	X	-107.709	1
32	MP2C	Z	-62.186	1
33	MP2C	Mx	-.018	1
34	MP2C	X	-107.709	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-62.186	5
36	MP2C	Mx	-.018	5
37	MP4A	X	-32.04	2
38	MP4A	Z	-18.498	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.04	4
41	MP4A	Z	-18.498	4
42	MP4A	Mx	.016	4
43	MP4B	X	-58.938	2
44	MP4B	Z	-34.028	2
45	MP4B	Mx	0	2
46	MP4B	X	-58.938	4
47	MP4B	Z	-34.028	4
48	MP4B	Mx	0	4
49	MP4C	X	-32.04	2
50	MP4C	Z	-18.498	2
51	MP4C	Mx	-.016	2
52	MP4C	X	-32.04	4
53	MP4C	Z	-18.498	4
54	MP4C	Mx	-.016	4
55	M85A	X	-95.79	1.5
56	M85A	Z	-55.305	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-35.238	2.5
59	MP3A	Z	-20.344	2.5
60	MP3A	Mx	-.018	2.5
61	MP3B	X	-46.9	2.5
62	MP3B	Z	-27.078	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	-35.238	2.5
65	MP3C	Z	-20.344	2.5
66	MP3C	Mx	.018	2.5
67	MP2A	X	-30.77	2.5
68	MP2A	Z	-17.765	2.5
69	MP2A	Mx	-.015	2.5
70	MP2B	X	-46.9	2.5
71	MP2B	Z	-27.078	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-30.77	2.5
74	MP2C	Z	-17.765	2.5
75	MP2C	Mx	.015	2.5
76	MP1A	X	-60.952	.5
77	MP1A	Z	-35.191	.5
78	MP1A	Mx	.03	.5
79	MP1A	X	-60.952	5.5
80	MP1A	Z	-35.191	5.5
81	MP1A	Mx	.03	5.5
82	MP1B	X	-72.231	.5
83	MP1B	Z	-41.702	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-72.231	5.5
86	MP1B	Z	-41.702	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-60.952	.5
89	MP1C	Z	-35.191	.5
90	MP1C	Mx	-.03	.5
91	MP1C	X	-60.952	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-35.191	5.5
93	MP1C	Mx	-.03	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-75.704	1
2	MP2A	Z	-131.124	1
3	MP2A	Mx	-.039	1
4	MP2A	X	-75.704	5
5	MP2A	Z	-131.124	5
6	MP2A	Mx	-.039	5
7	MP2B	X	-75.704	1
8	MP2B	Z	-131.124	1
9	MP2B	Mx	.114	1
10	MP2B	X	-75.704	5
11	MP2B	Z	-131.124	5
12	MP2B	Mx	.114	5
13	MP2C	X	-55.426	1
14	MP2C	Z	-96.001	1
15	MP2C	Mx	-.055	1
16	MP2C	X	-55.426	5
17	MP2C	Z	-96.001	5
18	MP2C	Mx	-.055	5
19	MP2A	X	-75.704	1
20	MP2A	Z	-131.124	1
21	MP2A	Mx	.114	1
22	MP2A	X	-75.704	5
23	MP2A	Z	-131.124	5
24	MP2A	Mx	.114	5
25	MP2B	X	-75.704	1
26	MP2B	Z	-131.124	1
27	MP2B	Mx	-.039	1
28	MP2B	X	-75.704	5
29	MP2B	Z	-131.124	5
30	MP2B	Mx	-.039	5
31	MP2C	X	-55.426	1
32	MP2C	Z	-96.001	1
33	MP2C	Mx	-.055	1
34	MP2C	X	-55.426	5
35	MP2C	Z	-96.001	5
36	MP2C	Mx	-.055	5
37	MP4A	X	-28.852	2
38	MP4A	Z	-49.972	2
39	MP4A	Mx	.014	2
40	MP4A	X	-28.852	4
41	MP4A	Z	-49.972	4
42	MP4A	Mx	.014	4
43	MP4B	X	-28.852	2
44	MP4B	Z	-49.972	2
45	MP4B	Mx	.014	2
46	MP4B	X	-28.852	4
47	MP4B	Z	-49.972	4
48	MP4B	Mx	.014	4
49	MP4C	X	-13.322	2
50	MP4C	Z	-23.074	2
51	MP4C	Mx	-.013	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-13.322	4
53	MP4C	Z	-23.074	4
54	MP4C	Mx	-.013	4
55	M85A	X	-58.789	1.5
56	M85A	Z	-101.825	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-24.833	2.5
59	MP3A	Z	-43.012	2.5
60	MP3A	Mx	-.012	2.5
61	MP3B	X	-24.833	2.5
62	MP3B	Z	-43.012	2.5
63	MP3B	Mx	-.012	2.5
64	MP3C	X	-18.1	2.5
65	MP3C	Z	-31.35	2.5
66	MP3C	Mx	.018	2.5
67	MP2A	X	-23.973	2.5
68	MP2A	Z	-41.523	2.5
69	MP2A	Mx	-.012	2.5
70	MP2B	X	-23.973	2.5
71	MP2B	Z	-41.523	2.5
72	MP2B	Mx	-.012	2.5
73	MP2C	X	-14.661	2.5
74	MP2C	Z	-25.394	2.5
75	MP2C	Mx	.015	2.5
76	MP1A	X	-39.532	.5
77	MP1A	Z	-68.471	.5
78	MP1A	Mx	.02	.5
79	MP1A	X	-39.532	5.5
80	MP1A	Z	-68.471	5.5
81	MP1A	Mx	.02	5.5
82	MP1B	X	-39.532	.5
83	MP1B	Z	-68.471	.5
84	MP1B	Mx	.02	.5
85	MP1B	X	-39.532	5.5
86	MP1B	Z	-68.471	5.5
87	MP1B	Mx	.02	5.5
88	MP1C	X	-33.02	.5
89	MP1C	Z	-57.192	.5
90	MP1C	Mx	-.033	.5
91	MP1C	X	-33.02	5.5
92	MP1C	Z	-57.192	5.5
93	MP1C	Mx	-.033	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-22.245	1
3	MP2A	Mx	-.013	1
4	MP2A	X	0	5
5	MP2A	Z	-22.245	5
6	MP2A	Mx	-.013	5
7	MP2B	X	0	1
8	MP2B	Z	-17.116	1
9	MP2B	Mx	.012	1
10	MP2B	X	0	5
11	MP2B	Z	-17.116	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.012	5
13	MP2C	X	0	1
14	MP2C	Z	-17.116	1
15	MP2C	Mx	-.002	1
16	MP2C	X	0	5
17	MP2C	Z	-17.116	5
18	MP2C	Mx	-.002	5
19	MP2A	X	0	1
20	MP2A	Z	-22.245	1
21	MP2A	Mx	.013	1
22	MP2A	X	0	5
23	MP2A	Z	-22.245	5
24	MP2A	Mx	.013	5
25	MP2B	X	0	1
26	MP2B	Z	-17.116	1
27	MP2B	Mx	.002	1
28	MP2B	X	0	5
29	MP2B	Z	-17.116	5
30	MP2B	Mx	.002	5
31	MP2C	X	0	1
32	MP2C	Z	-17.116	1
33	MP2C	Mx	-.012	1
34	MP2C	X	0	5
35	MP2C	Z	-17.116	5
36	MP2C	Mx	-.012	5
37	MP4A	X	0	2
38	MP4A	Z	-9.455	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-9.455	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-5.382	2
45	MP4B	Mx	.002	2
46	MP4B	X	0	4
47	MP4B	Z	-5.382	4
48	MP4B	Mx	.002	4
49	MP4C	X	0	2
50	MP4C	Z	-5.382	2
51	MP4C	Mx	-.002	2
52	MP4C	X	0	4
53	MP4C	Z	-5.382	4
54	MP4C	Mx	-.002	4
55	M85A	X	0	1.5
56	M85A	Z	-15.483	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	0	2.5
59	MP3A	Z	-7.965	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	-6.145	2.5
63	MP3B	Mx	-.003	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	-6.145	2.5
66	MP3C	Mx	.003	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-7.965	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-5.453	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-5.453	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-11.721	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-11.721	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-10.047	.5
84	MP1B	Mx	.004	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-10.047	5.5
87	MP1B	Mx	.004	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-10.047	.5
90	MP1C	Mx	-.004	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-10.047	5.5
93	MP1C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.268	1
2	MP2A	Z	-17.784	1
3	MP2A	Mx	-.016	1
4	MP2A	X	10.268	5
5	MP2A	Z	-17.784	5
6	MP2A	Mx	-.016	5
7	MP2B	X	7.703	1
8	MP2B	Z	-13.342	1
9	MP2B	Mx	.008	1
10	MP2B	X	7.703	5
11	MP2B	Z	-13.342	5
12	MP2B	Mx	.008	5
13	MP2C	X	10.268	1
14	MP2C	Z	-17.784	1
15	MP2C	Mx	.005	1
16	MP2C	X	10.268	5
17	MP2C	Z	-17.784	5
18	MP2C	Mx	.005	5
19	MP2A	X	10.268	1
20	MP2A	Z	-17.784	1
21	MP2A	Mx	.005	1
22	MP2A	X	10.268	5
23	MP2A	Z	-17.784	5
24	MP2A	Mx	.005	5
25	MP2B	X	7.703	1
26	MP2B	Z	-13.342	1
27	MP2B	Mx	.008	1
28	MP2B	X	7.703	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-13.342	5
30	MP2B	Mx	.008	5
31	MP2C	X	10.268	1
32	MP2C	Z	-17.784	1
33	MP2C	Mx	-.016	1
34	MP2C	X	10.268	5
35	MP2C	Z	-17.784	5
36	MP2C	Mx	-.016	5
37	MP4A	X	4.049	2
38	MP4A	Z	-7.013	2
39	MP4A	Mx	-.002	2
40	MP4A	X	4.049	4
41	MP4A	Z	-7.013	4
42	MP4A	Mx	-.002	4
43	MP4B	X	2.012	2
44	MP4B	Z	-3.485	2
45	MP4B	Mx	.002	2
46	MP4B	X	2.012	4
47	MP4B	Z	-3.485	4
48	MP4B	Mx	.002	4
49	MP4C	X	4.049	2
50	MP4C	Z	-7.013	2
51	MP4C	Mx	-.002	2
52	MP4C	X	4.049	4
53	MP4C	Z	-7.013	4
54	MP4C	Mx	-.002	4
55	M85A	X	6.848	1.5
56	M85A	Z	-11.861	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	3.679	2.5
59	MP3A	Z	-6.372	2.5
60	MP3A	Mx	.002	2.5
61	MP3B	X	2.769	2.5
62	MP3B	Z	-4.796	2.5
63	MP3B	Mx	-.003	2.5
64	MP3C	X	3.679	2.5
65	MP3C	Z	-6.372	2.5
66	MP3C	Mx	.002	2.5
67	MP2A	X	3.564	2.5
68	MP2A	Z	-6.173	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	2.308	2.5
71	MP2B	Z	-3.998	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	3.564	2.5
74	MP2C	Z	-6.173	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	5.581	.5
77	MP1A	Z	-9.667	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	5.581	5.5
80	MP1A	Z	-9.667	5.5
81	MP1A	Mx	-.003	5.5
82	MP1B	X	4.744	.5
83	MP1B	Z	-8.217	.5
84	MP1B	Mx	.005	.5
85	MP1B	X	4.744	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-8.217	5.5
87	MP1B	Mx	.005	5.5
88	MP1C	X	5.581	.5
89	MP1C	Z	-9.667	.5
90	MP1C	Mx	-.003	.5
91	MP1C	X	5.581	5.5
92	MP1C	Z	-9.667	5.5
93	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.823	1
2	MP2A	Z	-8.558	1
3	MP2A	Mx	-.012	1
4	MP2A	X	14.823	5
5	MP2A	Z	-8.558	5
6	MP2A	Mx	-.012	5
7	MP2B	X	14.823	1
8	MP2B	Z	-8.558	1
9	MP2B	Mx	.002	1
10	MP2B	X	14.823	5
11	MP2B	Z	-8.558	5
12	MP2B	Mx	.002	5
13	MP2C	X	19.265	1
14	MP2C	Z	-11.123	1
15	MP2C	Mx	.013	1
16	MP2C	X	19.265	5
17	MP2C	Z	-11.123	5
18	MP2C	Mx	.013	5
19	MP2A	X	14.823	1
20	MP2A	Z	-8.558	1
21	MP2A	Mx	-.002	1
22	MP2A	X	14.823	5
23	MP2A	Z	-8.558	5
24	MP2A	Mx	-.002	5
25	MP2B	X	14.823	1
26	MP2B	Z	-8.558	1
27	MP2B	Mx	.012	1
28	MP2B	X	14.823	5
29	MP2B	Z	-8.558	5
30	MP2B	Mx	.012	5
31	MP2C	X	19.265	1
32	MP2C	Z	-11.123	1
33	MP2C	Mx	-.013	1
34	MP2C	X	19.265	5
35	MP2C	Z	-11.123	5
36	MP2C	Mx	-.013	5
37	MP4A	X	4.661	2
38	MP4A	Z	-2.691	2
39	MP4A	Mx	-.002	2
40	MP4A	X	4.661	4
41	MP4A	Z	-2.691	4
42	MP4A	Mx	-.002	4
43	MP4B	X	4.661	2
44	MP4B	Z	-2.691	2
45	MP4B	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	4.661	4
47	MP4B	Z	-2.691	4
48	MP4B	Mx	.002	4
49	MP4C	X	8.188	2
50	MP4C	Z	-4.728	2
51	MP4C	Mx	0	2
52	MP4C	X	8.188	4
53	MP4C	Z	-4.728	4
54	MP4C	Mx	0	4
55	M85A	X	11.088	1.5
56	M85A	Z	-6.402	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	5.322	2.5
59	MP3A	Z	-3.072	2.5
60	MP3A	Mx	.003	2.5
61	MP3B	X	5.322	2.5
62	MP3B	Z	-3.072	2.5
63	MP3B	Mx	-.003	2.5
64	MP3C	X	6.898	2.5
65	MP3C	Z	-3.982	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	4.723	2.5
68	MP2A	Z	-2.727	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	4.723	2.5
71	MP2B	Z	-2.727	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	6.898	2.5
74	MP2C	Z	-3.982	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	8.701	.5
77	MP1A	Z	-5.023	.5
78	MP1A	Mx	-.004	.5
79	MP1A	X	8.701	5.5
80	MP1A	Z	-5.023	5.5
81	MP1A	Mx	-.004	5.5
82	MP1B	X	8.701	.5
83	MP1B	Z	-5.023	.5
84	MP1B	Mx	.004	.5
85	MP1B	X	8.701	5.5
86	MP1B	Z	-5.023	5.5
87	MP1B	Mx	.004	5.5
88	MP1C	X	10.151	.5
89	MP1C	Z	-5.86	.5
90	MP1C	Mx	0	.5
91	MP1C	X	10.151	5.5
92	MP1C	Z	-5.86	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.407	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.008	1
4	MP2A	X	15.407	5
5	MP2A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.008	5
7	MP2B	X	20.536	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.005	1
10	MP2B	X	20.536	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.005	5
13	MP2C	X	20.536	1
14	MP2C	Z	0	1
15	MP2C	Mx	.016	1
16	MP2C	X	20.536	5
17	MP2C	Z	0	5
18	MP2C	Mx	.016	5
19	MP2A	X	15.407	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.008	1
22	MP2A	X	15.407	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.008	5
25	MP2B	X	20.536	1
26	MP2B	Z	0	1
27	MP2B	Mx	.016	1
28	MP2B	X	20.536	5
29	MP2B	Z	0	5
30	MP2B	Mx	.016	5
31	MP2C	X	20.536	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.005	1
34	MP2C	X	20.536	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.005	5
37	MP4A	X	4.024	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.002	2
40	MP4A	X	4.024	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.002	4
43	MP4B	X	8.097	2
44	MP4B	Z	0	2
45	MP4B	Mx	.002	2
46	MP4B	X	8.097	4
47	MP4B	Z	0	4
48	MP4B	Mx	.002	4
49	MP4C	X	8.097	2
50	MP4C	Z	0	2
51	MP4C	Mx	.002	2
52	MP4C	X	8.097	4
53	MP4C	Z	0	4
54	MP4C	Mx	.002	4
55	M85A	X	13.696	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	5.538	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	.003	2.5
61	MP3B	X	7.358	2.5
62	MP3B	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3B	Mx	-.002	2.5
64	MP3C	X	7.358	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	-.002	2.5
67	MP2A	X	4.616	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	7.128	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	7.128	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.002	2.5
76	MP1A	X	9.488	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.005	.5
79	MP1A	X	9.488	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.005	5.5
82	MP1B	X	11.163	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.003	.5
85	MP1B	X	11.163	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.003	5.5
88	MP1C	X	11.163	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.003	.5
91	MP1C	X	11.163	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.823	1
2	MP2A	Z	8.558	1
3	MP2A	Mx	-.002	1
4	MP2A	X	14.823	5
5	MP2A	Z	8.558	5
6	MP2A	Mx	-.002	5
7	MP2B	X	19.265	1
8	MP2B	Z	11.123	1
9	MP2B	Mx	-.013	1
10	MP2B	X	19.265	5
11	MP2B	Z	11.123	5
12	MP2B	Mx	-.013	5
13	MP2C	X	14.823	1
14	MP2C	Z	8.558	1
15	MP2C	Mx	.012	1
16	MP2C	X	14.823	5
17	MP2C	Z	8.558	5
18	MP2C	Mx	.012	5
19	MP2A	X	14.823	1
20	MP2A	Z	8.558	1
21	MP2A	Mx	-.012	1
22	MP2A	X	14.823	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	8.558	5
24	MP2A	Mx	-.012	5
25	MP2B	X	19.265	1
26	MP2B	Z	11.123	1
27	MP2B	Mx	.013	1
28	MP2B	X	19.265	5
29	MP2B	Z	11.123	5
30	MP2B	Mx	.013	5
31	MP2C	X	14.823	1
32	MP2C	Z	8.558	1
33	MP2C	Mx	.002	1
34	MP2C	X	14.823	5
35	MP2C	Z	8.558	5
36	MP2C	Mx	.002	5
37	MP4A	X	4.661	2
38	MP4A	Z	2.691	2
39	MP4A	Mx	-.002	2
40	MP4A	X	4.661	4
41	MP4A	Z	2.691	4
42	MP4A	Mx	-.002	4
43	MP4B	X	8.188	2
44	MP4B	Z	4.728	2
45	MP4B	Mx	0	2
46	MP4B	X	8.188	4
47	MP4B	Z	4.728	4
48	MP4B	Mx	0	4
49	MP4C	X	4.661	2
50	MP4C	Z	2.691	2
51	MP4C	Mx	.002	2
52	MP4C	X	4.661	4
53	MP4C	Z	2.691	4
54	MP4C	Mx	.002	4
55	M85A	X	13.408	1.5
56	M85A	Z	7.741	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	5.322	2.5
59	MP3A	Z	3.072	2.5
60	MP3A	Mx	.003	2.5
61	MP3B	X	6.898	2.5
62	MP3B	Z	3.982	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	5.322	2.5
65	MP3C	Z	3.072	2.5
66	MP3C	Mx	-.003	2.5
67	MP2A	X	4.723	2.5
68	MP2A	Z	2.727	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	6.898	2.5
71	MP2B	Z	3.982	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	4.723	2.5
74	MP2C	Z	2.727	2.5
75	MP2C	Mx	-.002	2.5
76	MP1A	X	8.701	.5
77	MP1A	Z	5.023	.5
78	MP1A	Mx	-.004	.5
79	MP1A	X	8.701	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	5.023	5.5
81	MP1A	Mx	-.004	5.5
82	MP1B	X	10.151	.5
83	MP1B	Z	5.86	.5
84	MP1B	Mx	0	.5
85	MP1B	X	10.151	5.5
86	MP1B	Z	5.86	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	8.701	.5
89	MP1C	Z	5.023	.5
90	MP1C	Mx	.004	.5
91	MP1C	X	8.701	5.5
92	MP1C	Z	5.023	5.5
93	MP1C	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.268	1
2	MP2A	Z	17.784	1
3	MP2A	Mx	.005	1
4	MP2A	X	10.268	5
5	MP2A	Z	17.784	5
6	MP2A	Mx	.005	5
7	MP2B	X	10.268	1
8	MP2B	Z	17.784	1
9	MP2B	Mx	-.016	1
10	MP2B	X	10.268	5
11	MP2B	Z	17.784	5
12	MP2B	Mx	-.016	5
13	MP2C	X	7.703	1
14	MP2C	Z	13.342	1
15	MP2C	Mx	.008	1
16	MP2C	X	7.703	5
17	MP2C	Z	13.342	5
18	MP2C	Mx	.008	5
19	MP2A	X	10.268	1
20	MP2A	Z	17.784	1
21	MP2A	Mx	-.016	1
22	MP2A	X	10.268	5
23	MP2A	Z	17.784	5
24	MP2A	Mx	-.016	5
25	MP2B	X	10.268	1
26	MP2B	Z	17.784	1
27	MP2B	Mx	.005	1
28	MP2B	X	10.268	5
29	MP2B	Z	17.784	5
30	MP2B	Mx	.005	5
31	MP2C	X	7.703	1
32	MP2C	Z	13.342	1
33	MP2C	Mx	.008	1
34	MP2C	X	7.703	5
35	MP2C	Z	13.342	5
36	MP2C	Mx	.008	5
37	MP4A	X	4.049	2
38	MP4A	Z	7.013	2
39	MP4A	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	4.049	4
41	MP4A	Z	7.013	4
42	MP4A	Mx	-.002	4
43	MP4B	X	4.049	2
44	MP4B	Z	7.013	2
45	MP4B	Mx	-.002	2
46	MP4B	X	4.049	4
47	MP4B	Z	7.013	4
48	MP4B	Mx	-.002	4
49	MP4C	X	2.012	2
50	MP4C	Z	3.485	2
51	MP4C	Mx	.002	2
52	MP4C	X	2.012	4
53	MP4C	Z	3.485	4
54	MP4C	Mx	.002	4
55	M85A	X	8.188	1.5
56	M85A	Z	14.182	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	3.679	2.5
59	MP3A	Z	6.372	2.5
60	MP3A	Mx	.002	2.5
61	MP3B	X	3.679	2.5
62	MP3B	Z	6.372	2.5
63	MP3B	Mx	.002	2.5
64	MP3C	X	2.769	2.5
65	MP3C	Z	4.796	2.5
66	MP3C	Mx	-.003	2.5
67	MP2A	X	3.564	2.5
68	MP2A	Z	6.173	2.5
69	MP2A	Mx	.002	2.5
70	MP2B	X	3.564	2.5
71	MP2B	Z	6.173	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	2.308	2.5
74	MP2C	Z	3.998	2.5
75	MP2C	Mx	-.002	2.5
76	MP1A	X	5.581	.5
77	MP1A	Z	9.667	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	5.581	5.5
80	MP1A	Z	9.667	5.5
81	MP1A	Mx	-.003	5.5
82	MP1B	X	5.581	.5
83	MP1B	Z	9.667	.5
84	MP1B	Mx	-.003	.5
85	MP1B	X	5.581	5.5
86	MP1B	Z	9.667	5.5
87	MP1B	Mx	-.003	5.5
88	MP1C	X	4.744	.5
89	MP1C	Z	8.217	.5
90	MP1C	Mx	.005	.5
91	MP1C	X	4.744	5.5
92	MP1C	Z	8.217	5.5
93	MP1C	Mx	.005	5.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	22.245	1
3	MP2A	Mx	.013	1
4	MP2A	X	0	5
5	MP2A	Z	22.245	5
6	MP2A	Mx	.013	5
7	MP2B	X	0	1
8	MP2B	Z	17.116	1
9	MP2B	Mx	-.012	1
10	MP2B	X	0	5
11	MP2B	Z	17.116	5
12	MP2B	Mx	-.012	5
13	MP2C	X	0	1
14	MP2C	Z	17.116	1
15	MP2C	Mx	.002	1
16	MP2C	X	0	5
17	MP2C	Z	17.116	5
18	MP2C	Mx	.002	5
19	MP2A	X	0	1
20	MP2A	Z	22.245	1
21	MP2A	Mx	-.013	1
22	MP2A	X	0	5
23	MP2A	Z	22.245	5
24	MP2A	Mx	-.013	5
25	MP2B	X	0	1
26	MP2B	Z	17.116	1
27	MP2B	Mx	-.002	1
28	MP2B	X	0	5
29	MP2B	Z	17.116	5
30	MP2B	Mx	-.002	5
31	MP2C	X	0	1
32	MP2C	Z	17.116	1
33	MP2C	Mx	.012	1
34	MP2C	X	0	5
35	MP2C	Z	17.116	5
36	MP2C	Mx	.012	5
37	MP4A	X	0	2
38	MP4A	Z	9.455	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	9.455	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	5.382	2
45	MP4B	Mx	-.002	2
46	MP4B	X	0	4
47	MP4B	Z	5.382	4
48	MP4B	Mx	-.002	4
49	MP4C	X	0	2
50	MP4C	Z	5.382	2
51	MP4C	Mx	.002	2
52	MP4C	X	0	4
53	MP4C	Z	5.382	4
54	MP4C	Mx	.002	4
55	M85A	X	0	1.5
56	M85A	Z	15.483	1.5
57	M85A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	2.5
59	MP3A	Z	7.965	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	6.145	2.5
63	MP3B	Mx	.003	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	6.145	2.5
66	MP3C	Mx	-.003	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	7.965	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	5.453	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	5.453	2.5
75	MP2C	Mx	-.002	2.5
76	MP1A	X	0	.5
77	MP1A	Z	11.721	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	11.721	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	10.047	.5
84	MP1B	Mx	-.004	.5
85	MP1B	X	0	5.5
86	MP1B	Z	10.047	5.5
87	MP1B	Mx	-.004	5.5
88	MP1C	X	0	.5
89	MP1C	Z	10.047	.5
90	MP1C	Mx	.004	.5
91	MP1C	X	0	5.5
92	MP1C	Z	10.047	5.5
93	MP1C	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.268	1
2	MP2A	Z	17.784	1
3	MP2A	Mx	.016	1
4	MP2A	X	-10.268	5
5	MP2A	Z	17.784	5
6	MP2A	Mx	.016	5
7	MP2B	X	-7.703	1
8	MP2B	Z	13.342	1
9	MP2B	Mx	-.008	1
10	MP2B	X	-7.703	5
11	MP2B	Z	13.342	5
12	MP2B	Mx	-.008	5
13	MP2C	X	-10.268	1
14	MP2C	Z	17.784	1
15	MP2C	Mx	-.005	1
16	MP2C	X	-10.268	5
17	MP2C	Z	17.784	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.005	5
19	MP2A	X	-10.268	1
20	MP2A	Z	17.784	1
21	MP2A	Mx	-.005	1
22	MP2A	X	-10.268	5
23	MP2A	Z	17.784	5
24	MP2A	Mx	-.005	5
25	MP2B	X	-7.703	1
26	MP2B	Z	13.342	1
27	MP2B	Mx	-.008	1
28	MP2B	X	-7.703	5
29	MP2B	Z	13.342	5
30	MP2B	Mx	-.008	5
31	MP2C	X	-10.268	1
32	MP2C	Z	17.784	1
33	MP2C	Mx	.016	1
34	MP2C	X	-10.268	5
35	MP2C	Z	17.784	5
36	MP2C	Mx	.016	5
37	MP4A	X	-4.049	2
38	MP4A	Z	7.013	2
39	MP4A	Mx	.002	2
40	MP4A	X	-4.049	4
41	MP4A	Z	7.013	4
42	MP4A	Mx	.002	4
43	MP4B	X	-2.012	2
44	MP4B	Z	3.485	2
45	MP4B	Mx	-.002	2
46	MP4B	X	-2.012	4
47	MP4B	Z	3.485	4
48	MP4B	Mx	-.002	4
49	MP4C	X	-4.049	2
50	MP4C	Z	7.013	2
51	MP4C	Mx	.002	2
52	MP4C	X	-4.049	4
53	MP4C	Z	7.013	4
54	MP4C	Mx	.002	4
55	M85A	X	-6.848	1.5
56	M85A	Z	11.861	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-3.679	2.5
59	MP3A	Z	6.372	2.5
60	MP3A	Mx	-.002	2.5
61	MP3B	X	-2.769	2.5
62	MP3B	Z	4.796	2.5
63	MP3B	Mx	.003	2.5
64	MP3C	X	-3.679	2.5
65	MP3C	Z	6.372	2.5
66	MP3C	Mx	-.002	2.5
67	MP2A	X	-3.564	2.5
68	MP2A	Z	6.173	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-2.308	2.5
71	MP2B	Z	3.998	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	-3.564	2.5
74	MP2C	Z	6.173	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.002	2.5
76	MP1A	X	-5.581	.5
77	MP1A	Z	9.667	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-5.581	5.5
80	MP1A	Z	9.667	5.5
81	MP1A	Mx	.003	5.5
82	MP1B	X	-4.744	.5
83	MP1B	Z	8.217	.5
84	MP1B	Mx	-.005	.5
85	MP1B	X	-4.744	5.5
86	MP1B	Z	8.217	5.5
87	MP1B	Mx	-.005	5.5
88	MP1C	X	-5.581	.5
89	MP1C	Z	9.667	.5
90	MP1C	Mx	.003	.5
91	MP1C	X	-5.581	5.5
92	MP1C	Z	9.667	5.5
93	MP1C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.823	1
2	MP2A	Z	8.558	1
3	MP2A	Mx	.012	1
4	MP2A	X	-14.823	5
5	MP2A	Z	8.558	5
6	MP2A	Mx	.012	5
7	MP2B	X	-14.823	1
8	MP2B	Z	8.558	1
9	MP2B	Mx	-.002	1
10	MP2B	X	-14.823	5
11	MP2B	Z	8.558	5
12	MP2B	Mx	-.002	5
13	MP2C	X	-19.265	1
14	MP2C	Z	11.123	1
15	MP2C	Mx	-.013	1
16	MP2C	X	-19.265	5
17	MP2C	Z	11.123	5
18	MP2C	Mx	-.013	5
19	MP2A	X	-14.823	1
20	MP2A	Z	8.558	1
21	MP2A	Mx	.002	1
22	MP2A	X	-14.823	5
23	MP2A	Z	8.558	5
24	MP2A	Mx	.002	5
25	MP2B	X	-14.823	1
26	MP2B	Z	8.558	1
27	MP2B	Mx	-.012	1
28	MP2B	X	-14.823	5
29	MP2B	Z	8.558	5
30	MP2B	Mx	-.012	5
31	MP2C	X	-19.265	1
32	MP2C	Z	11.123	1
33	MP2C	Mx	.013	1
34	MP2C	X	-19.265	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	11.123	5
36	MP2C	Mx	.013	5
37	MP4A	X	-4.661	2
38	MP4A	Z	2.691	2
39	MP4A	Mx	.002	2
40	MP4A	X	-4.661	4
41	MP4A	Z	2.691	4
42	MP4A	Mx	.002	4
43	MP4B	X	-4.661	2
44	MP4B	Z	2.691	2
45	MP4B	Mx	-.002	2
46	MP4B	X	-4.661	4
47	MP4B	Z	2.691	4
48	MP4B	Mx	-.002	4
49	MP4C	X	-8.188	2
50	MP4C	Z	4.728	2
51	MP4C	Mx	0	2
52	MP4C	X	-8.188	4
53	MP4C	Z	4.728	4
54	MP4C	Mx	0	4
55	M85A	X	-11.088	1.5
56	M85A	Z	6.402	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-5.322	2.5
59	MP3A	Z	3.072	2.5
60	MP3A	Mx	-.003	2.5
61	MP3B	X	-5.322	2.5
62	MP3B	Z	3.072	2.5
63	MP3B	Mx	.003	2.5
64	MP3C	X	-6.898	2.5
65	MP3C	Z	3.982	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	-4.723	2.5
68	MP2A	Z	2.727	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-4.723	2.5
71	MP2B	Z	2.727	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	-6.898	2.5
74	MP2C	Z	3.982	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-8.701	.5
77	MP1A	Z	5.023	.5
78	MP1A	Mx	.004	.5
79	MP1A	X	-8.701	5.5
80	MP1A	Z	5.023	5.5
81	MP1A	Mx	.004	5.5
82	MP1B	X	-8.701	.5
83	MP1B	Z	5.023	.5
84	MP1B	Mx	-.004	.5
85	MP1B	X	-8.701	5.5
86	MP1B	Z	5.023	5.5
87	MP1B	Mx	-.004	5.5
88	MP1C	X	-10.151	.5
89	MP1C	Z	5.86	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-10.151	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	5.86	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.407	1
2	MP2A	Z	0	1
3	MP2A	Mx	.008	1
4	MP2A	X	-15.407	5
5	MP2A	Z	0	5
6	MP2A	Mx	.008	5
7	MP2B	X	-20.536	1
8	MP2B	Z	0	1
9	MP2B	Mx	.005	1
10	MP2B	X	-20.536	5
11	MP2B	Z	0	5
12	MP2B	Mx	.005	5
13	MP2C	X	-20.536	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.016	1
16	MP2C	X	-20.536	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.016	5
19	MP2A	X	-15.407	1
20	MP2A	Z	0	1
21	MP2A	Mx	.008	1
22	MP2A	X	-15.407	5
23	MP2A	Z	0	5
24	MP2A	Mx	.008	5
25	MP2B	X	-20.536	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.016	1
28	MP2B	X	-20.536	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.016	5
31	MP2C	X	-20.536	1
32	MP2C	Z	0	1
33	MP2C	Mx	.005	1
34	MP2C	X	-20.536	5
35	MP2C	Z	0	5
36	MP2C	Mx	.005	5
37	MP4A	X	-4.024	2
38	MP4A	Z	0	2
39	MP4A	Mx	.002	2
40	MP4A	X	-4.024	4
41	MP4A	Z	0	4
42	MP4A	Mx	.002	4
43	MP4B	X	-8.097	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.002	2
46	MP4B	X	-8.097	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.002	4
49	MP4C	X	-8.097	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-8.097	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.002	4
55	M85A	X	-13.696	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-5.538	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	-.003	2.5
61	MP3B	X	-7.358	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.002	2.5
64	MP3C	X	-7.358	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	.002	2.5
67	MP2A	X	-4.616	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-7.128	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.002	2.5
73	MP2C	X	-7.128	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	-9.488	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.005	.5
79	MP1A	X	-9.488	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.005	5.5
82	MP1B	X	-11.163	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.003	.5
85	MP1B	X	-11.163	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.003	5.5
88	MP1C	X	-11.163	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.003	.5
91	MP1C	X	-11.163	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.823	1
2	MP2A	Z	-8.558	1
3	MP2A	Mx	.002	1
4	MP2A	X	-14.823	5
5	MP2A	Z	-8.558	5
6	MP2A	Mx	.002	5
7	MP2B	X	-19.265	1
8	MP2B	Z	-11.123	1
9	MP2B	Mx	.013	1
10	MP2B	X	-19.265	5
11	MP2B	Z	-11.123	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.013	5
13	MP2C	X	-14.823	1
14	MP2C	Z	-8.558	1
15	MP2C	Mx	-.012	1
16	MP2C	X	-14.823	5
17	MP2C	Z	-8.558	5
18	MP2C	Mx	-.012	5
19	MP2A	X	-14.823	1
20	MP2A	Z	-8.558	1
21	MP2A	Mx	.012	1
22	MP2A	X	-14.823	5
23	MP2A	Z	-8.558	5
24	MP2A	Mx	.012	5
25	MP2B	X	-19.265	1
26	MP2B	Z	-11.123	1
27	MP2B	Mx	-.013	1
28	MP2B	X	-19.265	5
29	MP2B	Z	-11.123	5
30	MP2B	Mx	-.013	5
31	MP2C	X	-14.823	1
32	MP2C	Z	-8.558	1
33	MP2C	Mx	-.002	1
34	MP2C	X	-14.823	5
35	MP2C	Z	-8.558	5
36	MP2C	Mx	-.002	5
37	MP4A	X	-4.661	2
38	MP4A	Z	-2.691	2
39	MP4A	Mx	.002	2
40	MP4A	X	-4.661	4
41	MP4A	Z	-2.691	4
42	MP4A	Mx	.002	4
43	MP4B	X	-8.188	2
44	MP4B	Z	-4.728	2
45	MP4B	Mx	0	2
46	MP4B	X	-8.188	4
47	MP4B	Z	-4.728	4
48	MP4B	Mx	0	4
49	MP4C	X	-4.661	2
50	MP4C	Z	-2.691	2
51	MP4C	Mx	-.002	2
52	MP4C	X	-4.661	4
53	MP4C	Z	-2.691	4
54	MP4C	Mx	-.002	4
55	M85A	X	-13.408	1.5
56	M85A	Z	-7.741	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-5.322	2.5
59	MP3A	Z	-3.072	2.5
60	MP3A	Mx	-.003	2.5
61	MP3B	X	-6.898	2.5
62	MP3B	Z	-3.982	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	-5.322	2.5
65	MP3C	Z	-3.072	2.5
66	MP3C	Mx	.003	2.5
67	MP2A	X	-4.723	2.5
68	MP2A	Z	-2.727	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-6.898	2.5
71	MP2B	Z	-3.982	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-4.723	2.5
74	MP2C	Z	-2.727	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	-8.701	.5
77	MP1A	Z	-5.023	.5
78	MP1A	Mx	.004	.5
79	MP1A	X	-8.701	5.5
80	MP1A	Z	-5.023	5.5
81	MP1A	Mx	.004	5.5
82	MP1B	X	-10.151	.5
83	MP1B	Z	-5.86	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-10.151	5.5
86	MP1B	Z	-5.86	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-8.701	.5
89	MP1C	Z	-5.023	.5
90	MP1C	Mx	-.004	.5
91	MP1C	X	-8.701	5.5
92	MP1C	Z	-5.023	5.5
93	MP1C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.268	1
2	MP2A	Z	-17.784	1
3	MP2A	Mx	-.005	1
4	MP2A	X	-10.268	5
5	MP2A	Z	-17.784	5
6	MP2A	Mx	-.005	5
7	MP2B	X	-10.268	1
8	MP2B	Z	-17.784	1
9	MP2B	Mx	.016	1
10	MP2B	X	-10.268	5
11	MP2B	Z	-17.784	5
12	MP2B	Mx	.016	5
13	MP2C	X	-7.703	1
14	MP2C	Z	-13.342	1
15	MP2C	Mx	-.008	1
16	MP2C	X	-7.703	5
17	MP2C	Z	-13.342	5
18	MP2C	Mx	-.008	5
19	MP2A	X	-10.268	1
20	MP2A	Z	-17.784	1
21	MP2A	Mx	.016	1
22	MP2A	X	-10.268	5
23	MP2A	Z	-17.784	5
24	MP2A	Mx	.016	5
25	MP2B	X	-10.268	1
26	MP2B	Z	-17.784	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-10.268	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-17.784	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-7.703	1
32	MP2C	Z	-13.342	1
33	MP2C	Mx	-.008	1
34	MP2C	X	-7.703	5
35	MP2C	Z	-13.342	5
36	MP2C	Mx	-.008	5
37	MP4A	X	-4.049	2
38	MP4A	Z	-7.013	2
39	MP4A	Mx	.002	2
40	MP4A	X	-4.049	4
41	MP4A	Z	-7.013	4
42	MP4A	Mx	.002	4
43	MP4B	X	-4.049	2
44	MP4B	Z	-7.013	2
45	MP4B	Mx	.002	2
46	MP4B	X	-4.049	4
47	MP4B	Z	-7.013	4
48	MP4B	Mx	.002	4
49	MP4C	X	-2.012	2
50	MP4C	Z	-3.485	2
51	MP4C	Mx	-.002	2
52	MP4C	X	-2.012	4
53	MP4C	Z	-3.485	4
54	MP4C	Mx	-.002	4
55	M85A	X	-8.188	1.5
56	M85A	Z	-14.182	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-3.679	2.5
59	MP3A	Z	-6.372	2.5
60	MP3A	Mx	-.002	2.5
61	MP3B	X	-3.679	2.5
62	MP3B	Z	-6.372	2.5
63	MP3B	Mx	-.002	2.5
64	MP3C	X	-2.769	2.5
65	MP3C	Z	-4.796	2.5
66	MP3C	Mx	.003	2.5
67	MP2A	X	-3.564	2.5
68	MP2A	Z	-6.173	2.5
69	MP2A	Mx	-.002	2.5
70	MP2B	X	-3.564	2.5
71	MP2B	Z	-6.173	2.5
72	MP2B	Mx	-.002	2.5
73	MP2C	X	-2.308	2.5
74	MP2C	Z	-3.998	2.5
75	MP2C	Mx	.002	2.5
76	MP1A	X	-5.581	.5
77	MP1A	Z	-9.667	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-5.581	5.5
80	MP1A	Z	-9.667	5.5
81	MP1A	Mx	.003	5.5
82	MP1B	X	-5.581	.5
83	MP1B	Z	-9.667	.5
84	MP1B	Mx	.003	.5
85	MP1B	X	-5.581	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-9.667	5.5
87	MP1B	Mx	.003	5.5
88	MP1C	X	-4.744	.5
89	MP1C	Z	-8.217	.5
90	MP1C	Mx	-.005	.5
91	MP1C	X	-4.744	5.5
92	MP1C	Z	-8.217	5.5
93	MP1C	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-11.422	1
3	MP2A	Mx	-.007	1
4	MP2A	X	0	5
5	MP2A	Z	-11.422	5
6	MP2A	Mx	-.007	5
7	MP2B	X	0	1
8	MP2B	Z	-8.613	1
9	MP2B	Mx	.006	1
10	MP2B	X	0	5
11	MP2B	Z	-8.613	5
12	MP2B	Mx	.006	5
13	MP2C	X	0	1
14	MP2C	Z	-8.613	1
15	MP2C	Mx	-.001	1
16	MP2C	X	0	5
17	MP2C	Z	-8.613	5
18	MP2C	Mx	-.001	5
19	MP2A	X	0	1
20	MP2A	Z	-11.422	1
21	MP2A	Mx	.007	1
22	MP2A	X	0	5
23	MP2A	Z	-11.422	5
24	MP2A	Mx	.007	5
25	MP2B	X	0	1
26	MP2B	Z	-8.613	1
27	MP2B	Mx	.001	1
28	MP2B	X	0	5
29	MP2B	Z	-8.613	5
30	MP2B	Mx	.001	5
31	MP2C	X	0	1
32	MP2C	Z	-8.613	1
33	MP2C	Mx	-.006	1
34	MP2C	X	0	5
35	MP2C	Z	-8.613	5
36	MP2C	Mx	-.006	5
37	MP4A	X	0	2
38	MP4A	Z	-4.713	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-4.713	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.562	2
45	MP4B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	0	4
47	MP4B	Z	-2.562	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-2.562	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4
53	MP4C	Z	-2.562	4
54	MP4C	Mx	-.001	4
55	M85A	X	0	1.5
56	M85A	Z	-7.66	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	0	2.5
59	MP3A	Z	-3.75	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	-2.818	2.5
63	MP3B	Mx	-.001	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	-2.818	2.5
66	MP3C	Mx	.001	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	-3.75	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-2.461	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-2.461	2.5
75	MP2C	Mx	.001	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-5.776	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-5.776	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-4.874	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-4.874	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-4.874	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-4.874	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.243	1
2	MP2A	Z	-9.081	1
3	MP2A	Mx	-.008	1
4	MP2A	X	5.243	5
5	MP2A	Z	-9.081	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.008	5
7	MP2B	X	3.838	1
8	MP2B	Z	-6.648	1
9	MP2B	Mx	.004	1
10	MP2B	X	3.838	5
11	MP2B	Z	-6.648	5
12	MP2B	Mx	.004	5
13	MP2C	X	5.243	1
14	MP2C	Z	-9.081	1
15	MP2C	Mx	.003	1
16	MP2C	X	5.243	5
17	MP2C	Z	-9.081	5
18	MP2C	Mx	.003	5
19	MP2A	X	5.243	1
20	MP2A	Z	-9.081	1
21	MP2A	Mx	.003	1
22	MP2A	X	5.243	5
23	MP2A	Z	-9.081	5
24	MP2A	Mx	.003	5
25	MP2B	X	3.838	1
26	MP2B	Z	-6.648	1
27	MP2B	Mx	.004	1
28	MP2B	X	3.838	5
29	MP2B	Z	-6.648	5
30	MP2B	Mx	.004	5
31	MP2C	X	5.243	1
32	MP2C	Z	-9.081	1
33	MP2C	Mx	-.008	1
34	MP2C	X	5.243	5
35	MP2C	Z	-9.081	5
36	MP2C	Mx	-.008	5
37	MP4A	X	1.998	2
38	MP4A	Z	-3.461	2
39	MP4A	Mx	-.000999	2
40	MP4A	X	1.998	4
41	MP4A	Z	-3.461	4
42	MP4A	Mx	-.000999	4
43	MP4B	X	.923	2
44	MP4B	Z	-1.598	2
45	MP4B	Mx	.000923	2
46	MP4B	X	.923	4
47	MP4B	Z	-1.598	4
48	MP4B	Mx	.000923	4
49	MP4C	X	1.998	2
50	MP4C	Z	-3.461	2
51	MP4C	Mx	-.000999	2
52	MP4C	X	1.998	4
53	MP4C	Z	-3.461	4
54	MP4C	Mx	-.000999	4
55	M85A	X	3.347	1.5
56	M85A	Z	-5.798	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	1.72	2.5
59	MP3A	Z	-2.979	2.5
60	MP3A	Mx	.00086	2.5
61	MP3B	X	1.253	2.5
62	MP3B	Z	-2.171	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3B	Mx	-.001	2.5
64	MP3C	X	1.72	2.5
65	MP3C	Z	-2.979	2.5
66	MP3C	Mx	.00086	2.5
67	MP2A	X	1.66	2.5
68	MP2A	Z	-2.876	2.5
69	MP2A	Mx	.00083	2.5
70	MP2B	X	1.015	2.5
71	MP2B	Z	-1.759	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	1.66	2.5
74	MP2C	Z	-2.876	2.5
75	MP2C	Mx	.00083	2.5
76	MP1A	X	2.738	.5
77	MP1A	Z	-4.742	.5
78	MP1A	Mx	-.001	.5
79	MP1A	X	2.738	5.5
80	MP1A	Z	-4.742	5.5
81	MP1A	Mx	-.001	5.5
82	MP1B	X	2.287	.5
83	MP1B	Z	-3.961	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	2.287	5.5
86	MP1B	Z	-3.961	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	2.738	.5
89	MP1C	Z	-4.742	.5
90	MP1C	Mx	-.001	.5
91	MP1C	X	2.738	5.5
92	MP1C	Z	-4.742	5.5
93	MP1C	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.459	1
2	MP2A	Z	-4.306	1
3	MP2A	Mx	-.006	1
4	MP2A	X	7.459	5
5	MP2A	Z	-4.306	5
6	MP2A	Mx	-.006	5
7	MP2B	X	7.459	1
8	MP2B	Z	-4.306	1
9	MP2B	Mx	.001	1
10	MP2B	X	7.459	5
11	MP2B	Z	-4.306	5
12	MP2B	Mx	.001	5
13	MP2C	X	9.891	1
14	MP2C	Z	-5.711	1
15	MP2C	Mx	.007	1
16	MP2C	X	9.891	5
17	MP2C	Z	-5.711	5
18	MP2C	Mx	.007	5
19	MP2A	X	7.459	1
20	MP2A	Z	-4.306	1
21	MP2A	Mx	-.001	1
22	MP2A	X	7.459	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-4.306	5
24	MP2A	Mx	-.001	5
25	MP2B	X	7.459	1
26	MP2B	Z	-4.306	1
27	MP2B	Mx	.006	1
28	MP2B	X	7.459	5
29	MP2B	Z	-4.306	5
30	MP2B	Mx	.006	5
31	MP2C	X	9.891	1
32	MP2C	Z	-5.711	1
33	MP2C	Mx	-.007	1
34	MP2C	X	9.891	5
35	MP2C	Z	-5.711	5
36	MP2C	Mx	-.007	5
37	MP4A	X	2.219	2
38	MP4A	Z	-1.281	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.219	4
41	MP4A	Z	-1.281	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.219	2
44	MP4B	Z	-1.281	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.219	4
47	MP4B	Z	-1.281	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.082	2
50	MP4C	Z	-2.357	2
51	MP4C	Mx	0	2
52	MP4C	X	4.082	4
53	MP4C	Z	-2.357	4
54	MP4C	Mx	0	4
55	M85A	X	5.38	1.5
56	M85A	Z	-3.106	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	2.44	2.5
59	MP3A	Z	-1.409	2.5
60	MP3A	Mx	.001	2.5
61	MP3B	X	2.44	2.5
62	MP3B	Z	-1.409	2.5
63	MP3B	Mx	-.001	2.5
64	MP3C	X	3.248	2.5
65	MP3C	Z	-1.875	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	2.131	2.5
68	MP2A	Z	-1.23	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	2.131	2.5
71	MP2B	Z	-1.23	2.5
72	MP2B	Mx	-.001	2.5
73	MP2C	X	3.248	2.5
74	MP2C	Z	-1.875	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	4.221	.5
77	MP1A	Z	-2.437	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	4.221	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-2.437	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	4.221	.5
83	MP1B	Z	-2.437	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	4.221	5.5
86	MP1B	Z	-2.437	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	5.002	.5
89	MP1C	Z	-2.888	.5
90	MP1C	Mx	0	.5
91	MP1C	X	5.002	5.5
92	MP1C	Z	-2.888	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.677	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.004	1
4	MP2A	X	7.677	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.004	5
7	MP2B	X	10.485	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.003	1
10	MP2B	X	10.485	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.003	5
13	MP2C	X	10.485	1
14	MP2C	Z	0	1
15	MP2C	Mx	.008	1
16	MP2C	X	10.485	5
17	MP2C	Z	0	5
18	MP2C	Mx	.008	5
19	MP2A	X	7.677	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.004	1
22	MP2A	X	7.677	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.004	5
25	MP2B	X	10.485	1
26	MP2B	Z	0	1
27	MP2B	Mx	.008	1
28	MP2B	X	10.485	5
29	MP2B	Z	0	5
30	MP2B	Mx	.008	5
31	MP2C	X	10.485	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.003	1
34	MP2C	X	10.485	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.003	5
37	MP4A	X	1.845	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.000922	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	1.845	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.000922	4
43	MP4B	X	3.996	2
44	MP4B	Z	0	2
45	MP4B	Mx	.000999	2
46	MP4B	X	3.996	4
47	MP4B	Z	0	4
48	MP4B	Mx	.000999	4
49	MP4C	X	3.996	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000999	2
52	MP4C	X	3.996	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000999	4
55	M85A	X	6.695	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	2.507	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	.001	2.5
61	MP3B	X	3.44	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	-.00086	2.5
64	MP3C	X	3.44	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	-.00086	2.5
67	MP2A	X	2.031	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	3.32	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.00083	2.5
73	MP2C	X	3.32	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	-.00083	2.5
76	MP1A	X	4.573	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	4.573	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	5.475	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.001	.5
85	MP1B	X	5.475	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.001	5.5
88	MP1C	X	5.475	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.001	.5
91	MP1C	X	5.475	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.001	5.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.459	1
2	MP2A	Z	4.306	1
3	MP2A	Mx	-.001	1
4	MP2A	X	7.459	5
5	MP2A	Z	4.306	5
6	MP2A	Mx	-.001	5
7	MP2B	X	9.891	1
8	MP2B	Z	5.711	1
9	MP2B	Mx	-.007	1
10	MP2B	X	9.891	5
11	MP2B	Z	5.711	5
12	MP2B	Mx	-.007	5
13	MP2C	X	7.459	1
14	MP2C	Z	4.306	1
15	MP2C	Mx	.006	1
16	MP2C	X	7.459	5
17	MP2C	Z	4.306	5
18	MP2C	Mx	.006	5
19	MP2A	X	7.459	1
20	MP2A	Z	4.306	1
21	MP2A	Mx	-.006	1
22	MP2A	X	7.459	5
23	MP2A	Z	4.306	5
24	MP2A	Mx	-.006	5
25	MP2B	X	9.891	1
26	MP2B	Z	5.711	1
27	MP2B	Mx	.007	1
28	MP2B	X	9.891	5
29	MP2B	Z	5.711	5
30	MP2B	Mx	.007	5
31	MP2C	X	7.459	1
32	MP2C	Z	4.306	1
33	MP2C	Mx	.001	1
34	MP2C	X	7.459	5
35	MP2C	Z	4.306	5
36	MP2C	Mx	.001	5
37	MP4A	X	2.219	2
38	MP4A	Z	1.281	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.219	4
41	MP4A	Z	1.281	4
42	MP4A	Mx	-.001	4
43	MP4B	X	4.082	2
44	MP4B	Z	2.357	2
45	MP4B	Mx	0	2
46	MP4B	X	4.082	4
47	MP4B	Z	2.357	4
48	MP4B	Mx	0	4
49	MP4C	X	2.219	2
50	MP4C	Z	1.281	2
51	MP4C	Mx	.001	2
52	MP4C	X	2.219	4
53	MP4C	Z	1.281	4
54	MP4C	Mx	.001	4
55	M85A	X	6.634	1.5
56	M85A	Z	3.83	1.5
57	M85A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	2.44	2.5
59	MP3A	Z	1.409	2.5
60	MP3A	Mx	.001	2.5
61	MP3B	X	3.248	2.5
62	MP3B	Z	1.875	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	2.44	2.5
65	MP3C	Z	1.409	2.5
66	MP3C	Mx	-.001	2.5
67	MP2A	X	2.131	2.5
68	MP2A	Z	1.23	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	3.248	2.5
71	MP2B	Z	1.875	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	2.131	2.5
74	MP2C	Z	1.23	2.5
75	MP2C	Mx	-.001	2.5
76	MP1A	X	4.221	.5
77	MP1A	Z	2.437	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	4.221	5.5
80	MP1A	Z	2.437	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	5.002	.5
83	MP1B	Z	2.888	.5
84	MP1B	Mx	0	.5
85	MP1B	X	5.002	5.5
86	MP1B	Z	2.888	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	4.221	.5
89	MP1C	Z	2.437	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	4.221	5.5
92	MP1C	Z	2.437	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.243	1
2	MP2A	Z	9.081	1
3	MP2A	Mx	.003	1
4	MP2A	X	5.243	5
5	MP2A	Z	9.081	5
6	MP2A	Mx	.003	5
7	MP2B	X	5.243	1
8	MP2B	Z	9.081	1
9	MP2B	Mx	-.008	1
10	MP2B	X	5.243	5
11	MP2B	Z	9.081	5
12	MP2B	Mx	-.008	5
13	MP2C	X	3.838	1
14	MP2C	Z	6.648	1
15	MP2C	Mx	.004	1
16	MP2C	X	3.838	5
17	MP2C	Z	6.648	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.004	5
19	MP2A	X	5.243	1
20	MP2A	Z	9.081	1
21	MP2A	Mx	-.008	1
22	MP2A	X	5.243	5
23	MP2A	Z	9.081	5
24	MP2A	Mx	-.008	5
25	MP2B	X	5.243	1
26	MP2B	Z	9.081	1
27	MP2B	Mx	.003	1
28	MP2B	X	5.243	5
29	MP2B	Z	9.081	5
30	MP2B	Mx	.003	5
31	MP2C	X	3.838	1
32	MP2C	Z	6.648	1
33	MP2C	Mx	.004	1
34	MP2C	X	3.838	5
35	MP2C	Z	6.648	5
36	MP2C	Mx	.004	5
37	MP4A	X	1.998	2
38	MP4A	Z	3.461	2
39	MP4A	Mx	-.000999	2
40	MP4A	X	1.998	4
41	MP4A	Z	3.461	4
42	MP4A	Mx	-.000999	4
43	MP4B	X	1.998	2
44	MP4B	Z	3.461	2
45	MP4B	Mx	-.000999	2
46	MP4B	X	1.998	4
47	MP4B	Z	3.461	4
48	MP4B	Mx	-.000999	4
49	MP4C	X	.923	2
50	MP4C	Z	1.598	2
51	MP4C	Mx	.000923	2
52	MP4C	X	.923	4
53	MP4C	Z	1.598	4
54	MP4C	Mx	.000923	4
55	M85A	X	4.071	1.5
56	M85A	Z	7.052	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	1.72	2.5
59	MP3A	Z	2.979	2.5
60	MP3A	Mx	.00086	2.5
61	MP3B	X	1.72	2.5
62	MP3B	Z	2.979	2.5
63	MP3B	Mx	.00086	2.5
64	MP3C	X	1.253	2.5
65	MP3C	Z	2.171	2.5
66	MP3C	Mx	-.001	2.5
67	MP2A	X	1.66	2.5
68	MP2A	Z	2.876	2.5
69	MP2A	Mx	.00083	2.5
70	MP2B	X	1.66	2.5
71	MP2B	Z	2.876	2.5
72	MP2B	Mx	.00083	2.5
73	MP2C	X	1.015	2.5
74	MP2C	Z	1.759	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.001	2.5
76	MP1A	X	2.738	.5
77	MP1A	Z	4.742	.5
78	MP1A	Mx	-.001	.5
79	MP1A	X	2.738	5.5
80	MP1A	Z	4.742	5.5
81	MP1A	Mx	-.001	5.5
82	MP1B	X	2.738	.5
83	MP1B	Z	4.742	.5
84	MP1B	Mx	-.001	.5
85	MP1B	X	2.738	5.5
86	MP1B	Z	4.742	5.5
87	MP1B	Mx	-.001	5.5
88	MP1C	X	2.287	.5
89	MP1C	Z	3.961	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	2.287	5.5
92	MP1C	Z	3.961	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	11.422	1
3	MP2A	Mx	.007	1
4	MP2A	X	0	5
5	MP2A	Z	11.422	5
6	MP2A	Mx	.007	5
7	MP2B	X	0	1
8	MP2B	Z	8.613	1
9	MP2B	Mx	-.006	1
10	MP2B	X	0	5
11	MP2B	Z	8.613	5
12	MP2B	Mx	-.006	5
13	MP2C	X	0	1
14	MP2C	Z	8.613	1
15	MP2C	Mx	.001	1
16	MP2C	X	0	5
17	MP2C	Z	8.613	5
18	MP2C	Mx	.001	5
19	MP2A	X	0	1
20	MP2A	Z	11.422	1
21	MP2A	Mx	-.007	1
22	MP2A	X	0	5
23	MP2A	Z	11.422	5
24	MP2A	Mx	-.007	5
25	MP2B	X	0	1
26	MP2B	Z	8.613	1
27	MP2B	Mx	-.001	1
28	MP2B	X	0	5
29	MP2B	Z	8.613	5
30	MP2B	Mx	-.001	5
31	MP2C	X	0	1
32	MP2C	Z	8.613	1
33	MP2C	Mx	.006	1
34	MP2C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	8.613	5
36	MP2C	Mx	.006	5
37	MP4A	X	0	2
38	MP4A	Z	4.713	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	4.713	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.562	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	2.562	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	2.562	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4
53	MP4C	Z	2.562	4
54	MP4C	Mx	.001	4
55	M85A	X	0	1.5
56	M85A	Z	7.66	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	0	2.5
59	MP3A	Z	3.75	2.5
60	MP3A	Mx	0	2.5
61	MP3B	X	0	2.5
62	MP3B	Z	2.818	2.5
63	MP3B	Mx	.001	2.5
64	MP3C	X	0	2.5
65	MP3C	Z	2.818	2.5
66	MP3C	Mx	-.001	2.5
67	MP2A	X	0	2.5
68	MP2A	Z	3.75	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	2.461	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	2.461	2.5
75	MP2C	Mx	-.001	2.5
76	MP1A	X	0	.5
77	MP1A	Z	5.776	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	5.5
80	MP1A	Z	5.776	5.5
81	MP1A	Mx	0	5.5
82	MP1B	X	0	.5
83	MP1B	Z	4.874	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	0	5.5
86	MP1B	Z	4.874	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	0	.5
89	MP1C	Z	4.874	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	4.874	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.243	1
2	MP2A	Z	9.081	1
3	MP2A	Mx	.008	1
4	MP2A	X	-5.243	5
5	MP2A	Z	9.081	5
6	MP2A	Mx	.008	5
7	MP2B	X	-3.838	1
8	MP2B	Z	6.648	1
9	MP2B	Mx	-.004	1
10	MP2B	X	-3.838	5
11	MP2B	Z	6.648	5
12	MP2B	Mx	-.004	5
13	MP2C	X	-5.243	1
14	MP2C	Z	9.081	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-5.243	5
17	MP2C	Z	9.081	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-5.243	1
20	MP2A	Z	9.081	1
21	MP2A	Mx	-.003	1
22	MP2A	X	-5.243	5
23	MP2A	Z	9.081	5
24	MP2A	Mx	-.003	5
25	MP2B	X	-3.838	1
26	MP2B	Z	6.648	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-3.838	5
29	MP2B	Z	6.648	5
30	MP2B	Mx	-.004	5
31	MP2C	X	-5.243	1
32	MP2C	Z	9.081	1
33	MP2C	Mx	.008	1
34	MP2C	X	-5.243	5
35	MP2C	Z	9.081	5
36	MP2C	Mx	.008	5
37	MP4A	X	-1.998	2
38	MP4A	Z	3.461	2
39	MP4A	Mx	.000999	2
40	MP4A	X	-1.998	4
41	MP4A	Z	3.461	4
42	MP4A	Mx	.000999	4
43	MP4B	X	-.923	2
44	MP4B	Z	1.598	2
45	MP4B	Mx	-.000923	2
46	MP4B	X	-.923	4
47	MP4B	Z	1.598	4
48	MP4B	Mx	-.000923	4
49	MP4C	X	-1.998	2
50	MP4C	Z	3.461	2
51	MP4C	Mx	.000999	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-1.998	4
53	MP4C	Z	3.461	4
54	MP4C	Mx	.000999	4
55	M85A	X	-3.347	1.5
56	M85A	Z	5.798	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-1.72	2.5
59	MP3A	Z	2.979	2.5
60	MP3A	Mx	-.00086	2.5
61	MP3B	X	-1.253	2.5
62	MP3B	Z	2.171	2.5
63	MP3B	Mx	.001	2.5
64	MP3C	X	-1.72	2.5
65	MP3C	Z	2.979	2.5
66	MP3C	Mx	-.00086	2.5
67	MP2A	X	-1.66	2.5
68	MP2A	Z	2.876	2.5
69	MP2A	Mx	-.00083	2.5
70	MP2B	X	-1.015	2.5
71	MP2B	Z	1.759	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	-1.66	2.5
74	MP2C	Z	2.876	2.5
75	MP2C	Mx	-.00083	2.5
76	MP1A	X	-2.738	.5
77	MP1A	Z	4.742	.5
78	MP1A	Mx	.001	.5
79	MP1A	X	-2.738	5.5
80	MP1A	Z	4.742	5.5
81	MP1A	Mx	.001	5.5
82	MP1B	X	-2.287	.5
83	MP1B	Z	3.961	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-2.287	5.5
86	MP1B	Z	3.961	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-2.738	.5
89	MP1C	Z	4.742	.5
90	MP1C	Mx	.001	.5
91	MP1C	X	-2.738	5.5
92	MP1C	Z	4.742	5.5
93	MP1C	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.459	1
2	MP2A	Z	4.306	1
3	MP2A	Mx	.006	1
4	MP2A	X	-7.459	5
5	MP2A	Z	4.306	5
6	MP2A	Mx	.006	5
7	MP2B	X	-7.459	1
8	MP2B	Z	4.306	1
9	MP2B	Mx	-.001	1
10	MP2B	X	-7.459	5
11	MP2B	Z	4.306	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.001	5
13	MP2C	X	-9.891	1
14	MP2C	Z	5.711	1
15	MP2C	Mx	-.007	1
16	MP2C	X	-9.891	5
17	MP2C	Z	5.711	5
18	MP2C	Mx	-.007	5
19	MP2A	X	-7.459	1
20	MP2A	Z	4.306	1
21	MP2A	Mx	.001	1
22	MP2A	X	-7.459	5
23	MP2A	Z	4.306	5
24	MP2A	Mx	.001	5
25	MP2B	X	-7.459	1
26	MP2B	Z	4.306	1
27	MP2B	Mx	-.006	1
28	MP2B	X	-7.459	5
29	MP2B	Z	4.306	5
30	MP2B	Mx	-.006	5
31	MP2C	X	-9.891	1
32	MP2C	Z	5.711	1
33	MP2C	Mx	.007	1
34	MP2C	X	-9.891	5
35	MP2C	Z	5.711	5
36	MP2C	Mx	.007	5
37	MP4A	X	-2.219	2
38	MP4A	Z	1.281	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.219	4
41	MP4A	Z	1.281	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.219	2
44	MP4B	Z	1.281	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.219	4
47	MP4B	Z	1.281	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.082	2
50	MP4C	Z	2.357	2
51	MP4C	Mx	0	2
52	MP4C	X	-4.082	4
53	MP4C	Z	2.357	4
54	MP4C	Mx	0	4
55	M85A	X	-5.38	1.5
56	M85A	Z	3.106	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-2.44	2.5
59	MP3A	Z	1.409	2.5
60	MP3A	Mx	-.001	2.5
61	MP3B	X	-2.44	2.5
62	MP3B	Z	1.409	2.5
63	MP3B	Mx	.001	2.5
64	MP3C	X	-3.248	2.5
65	MP3C	Z	1.875	2.5
66	MP3C	Mx	0	2.5
67	MP2A	X	-2.131	2.5
68	MP2A	Z	1.23	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-2.131	2.5
71	MP2B	Z	1.23	2.5
72	MP2B	Mx	.001	2.5
73	MP2C	X	-3.248	2.5
74	MP2C	Z	1.875	2.5
75	MP2C	Mx	0	2.5
76	MP1A	X	-4.221	.5
77	MP1A	Z	2.437	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-4.221	5.5
80	MP1A	Z	2.437	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-4.221	.5
83	MP1B	Z	2.437	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-4.221	5.5
86	MP1B	Z	2.437	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-5.002	.5
89	MP1C	Z	2.888	.5
90	MP1C	Mx	0	.5
91	MP1C	X	-5.002	5.5
92	MP1C	Z	2.888	5.5
93	MP1C	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.677	1
2	MP2A	Z	0	1
3	MP2A	Mx	.004	1
4	MP2A	X	-7.677	5
5	MP2A	Z	0	5
6	MP2A	Mx	.004	5
7	MP2B	X	-10.485	1
8	MP2B	Z	0	1
9	MP2B	Mx	.003	1
10	MP2B	X	-10.485	5
11	MP2B	Z	0	5
12	MP2B	Mx	.003	5
13	MP2C	X	-10.485	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.008	1
16	MP2C	X	-10.485	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.008	5
19	MP2A	X	-7.677	1
20	MP2A	Z	0	1
21	MP2A	Mx	.004	1
22	MP2A	X	-7.677	5
23	MP2A	Z	0	5
24	MP2A	Mx	.004	5
25	MP2B	X	-10.485	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.008	1
28	MP2B	X	-10.485	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	5
30	MP2B	Mx	-.008	5
31	MP2C	X	-10.485	1
32	MP2C	Z	0	1
33	MP2C	Mx	.003	1
34	MP2C	X	-10.485	5
35	MP2C	Z	0	5
36	MP2C	Mx	.003	5
37	MP4A	X	-1.845	2
38	MP4A	Z	0	2
39	MP4A	Mx	.000922	2
40	MP4A	X	-1.845	4
41	MP4A	Z	0	4
42	MP4A	Mx	.000922	4
43	MP4B	X	-3.996	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.000999	2
46	MP4B	X	-3.996	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.000999	4
49	MP4C	X	-3.996	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000999	2
52	MP4C	X	-3.996	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000999	4
55	M85A	X	-6.695	1.5
56	M85A	Z	0	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-2.507	2.5
59	MP3A	Z	0	2.5
60	MP3A	Mx	-.001	2.5
61	MP3B	X	-3.44	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.00086	2.5
64	MP3C	X	-3.44	2.5
65	MP3C	Z	0	2.5
66	MP3C	Mx	.00086	2.5
67	MP2A	X	-2.031	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-3.32	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.00083	2.5
73	MP2C	X	-3.32	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.00083	2.5
76	MP1A	X	-4.573	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-4.573	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-5.475	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.001	.5
85	MP1B	X	-5.475	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.001	5.5
88	MP1C	X	-5.475	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.001	.5
91	MP1C	X	-5.475	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.459	1
2	MP2A	Z	-4.306	1
3	MP2A	Mx	.001	1
4	MP2A	X	-7.459	5
5	MP2A	Z	-4.306	5
6	MP2A	Mx	.001	5
7	MP2B	X	-9.891	1
8	MP2B	Z	-5.711	1
9	MP2B	Mx	.007	1
10	MP2B	X	-9.891	5
11	MP2B	Z	-5.711	5
12	MP2B	Mx	.007	5
13	MP2C	X	-7.459	1
14	MP2C	Z	-4.306	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-7.459	5
17	MP2C	Z	-4.306	5
18	MP2C	Mx	-.006	5
19	MP2A	X	-7.459	1
20	MP2A	Z	-4.306	1
21	MP2A	Mx	.006	1
22	MP2A	X	-7.459	5
23	MP2A	Z	-4.306	5
24	MP2A	Mx	.006	5
25	MP2B	X	-9.891	1
26	MP2B	Z	-5.711	1
27	MP2B	Mx	-.007	1
28	MP2B	X	-9.891	5
29	MP2B	Z	-5.711	5
30	MP2B	Mx	-.007	5
31	MP2C	X	-7.459	1
32	MP2C	Z	-4.306	1
33	MP2C	Mx	-.001	1
34	MP2C	X	-7.459	5
35	MP2C	Z	-4.306	5
36	MP2C	Mx	-.001	5
37	MP4A	X	-2.219	2
38	MP4A	Z	-1.281	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.219	4
41	MP4A	Z	-1.281	4
42	MP4A	Mx	.001	4
43	MP4B	X	-4.082	2
44	MP4B	Z	-2.357	2
45	MP4B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	-4.082	4
47	MP4B	Z	-2.357	4
48	MP4B	Mx	0	4
49	MP4C	X	-2.219	2
50	MP4C	Z	-1.281	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-2.219	4
53	MP4C	Z	-1.281	4
54	MP4C	Mx	-.001	4
55	M85A	X	-6.634	1.5
56	M85A	Z	-3.83	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-2.44	2.5
59	MP3A	Z	-1.409	2.5
60	MP3A	Mx	-.001	2.5
61	MP3B	X	-3.248	2.5
62	MP3B	Z	-1.875	2.5
63	MP3B	Mx	0	2.5
64	MP3C	X	-2.44	2.5
65	MP3C	Z	-1.409	2.5
66	MP3C	Mx	.001	2.5
67	MP2A	X	-2.131	2.5
68	MP2A	Z	-1.23	2.5
69	MP2A	Mx	-.001	2.5
70	MP2B	X	-3.248	2.5
71	MP2B	Z	-1.875	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-2.131	2.5
74	MP2C	Z	-1.23	2.5
75	MP2C	Mx	.001	2.5
76	MP1A	X	-4.221	.5
77	MP1A	Z	-2.437	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-4.221	5.5
80	MP1A	Z	-2.437	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-5.002	.5
83	MP1B	Z	-2.888	.5
84	MP1B	Mx	0	.5
85	MP1B	X	-5.002	5.5
86	MP1B	Z	-2.888	5.5
87	MP1B	Mx	0	5.5
88	MP1C	X	-4.221	.5
89	MP1C	Z	-2.437	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	-4.221	5.5
92	MP1C	Z	-2.437	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.243	1
2	MP2A	Z	-9.081	1
3	MP2A	Mx	-.003	1
4	MP2A	X	-5.243	5
5	MP2A	Z	-9.081	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.003	5
7	MP2B	X	-5.243	1
8	MP2B	Z	-9.081	1
9	MP2B	Mx	.008	1
10	MP2B	X	-5.243	5
11	MP2B	Z	-9.081	5
12	MP2B	Mx	.008	5
13	MP2C	X	-3.838	1
14	MP2C	Z	-6.648	1
15	MP2C	Mx	-.004	1
16	MP2C	X	-3.838	5
17	MP2C	Z	-6.648	5
18	MP2C	Mx	-.004	5
19	MP2A	X	-5.243	1
20	MP2A	Z	-9.081	1
21	MP2A	Mx	.008	1
22	MP2A	X	-5.243	5
23	MP2A	Z	-9.081	5
24	MP2A	Mx	.008	5
25	MP2B	X	-5.243	1
26	MP2B	Z	-9.081	1
27	MP2B	Mx	-.003	1
28	MP2B	X	-5.243	5
29	MP2B	Z	-9.081	5
30	MP2B	Mx	-.003	5
31	MP2C	X	-3.838	1
32	MP2C	Z	-6.648	1
33	MP2C	Mx	-.004	1
34	MP2C	X	-3.838	5
35	MP2C	Z	-6.648	5
36	MP2C	Mx	-.004	5
37	MP4A	X	-1.998	2
38	MP4A	Z	-3.461	2
39	MP4A	Mx	.000999	2
40	MP4A	X	-1.998	4
41	MP4A	Z	-3.461	4
42	MP4A	Mx	.000999	4
43	MP4B	X	-1.998	2
44	MP4B	Z	-3.461	2
45	MP4B	Mx	.000999	2
46	MP4B	X	-1.998	4
47	MP4B	Z	-3.461	4
48	MP4B	Mx	.000999	4
49	MP4C	X	-.923	2
50	MP4C	Z	-1.598	2
51	MP4C	Mx	-.000923	2
52	MP4C	X	-.923	4
53	MP4C	Z	-1.598	4
54	MP4C	Mx	-.000923	4
55	M85A	X	-4.071	1.5
56	M85A	Z	-7.052	1.5
57	M85A	Mx	0	1.5
58	MP3A	X	-1.72	2.5
59	MP3A	Z	-2.979	2.5
60	MP3A	Mx	-.00086	2.5
61	MP3B	X	-1.72	2.5
62	MP3B	Z	-2.979	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3B	Mx	-.00086	2.5
64	MP3C	X	-1.253	2.5
65	MP3C	Z	-2.171	2.5
66	MP3C	Mx	.001	2.5
67	MP2A	X	-1.66	2.5
68	MP2A	Z	-2.876	2.5
69	MP2A	Mx	-.00083	2.5
70	MP2B	X	-1.66	2.5
71	MP2B	Z	-2.876	2.5
72	MP2B	Mx	-.00083	2.5
73	MP2C	X	-1.015	2.5
74	MP2C	Z	-1.759	2.5
75	MP2C	Mx	.001	2.5
76	MP1A	X	-2.738	.5
77	MP1A	Z	-4.742	.5
78	MP1A	Mx	.001	.5
79	MP1A	X	-2.738	5.5
80	MP1A	Z	-4.742	5.5
81	MP1A	Mx	.001	5.5
82	MP1B	X	-2.738	.5
83	MP1B	Z	-4.742	.5
84	MP1B	Mx	.001	.5
85	MP1B	X	-2.738	5.5
86	MP1B	Z	-4.742	5.5
87	MP1B	Mx	.001	5.5
88	MP1C	X	-2.287	.5
89	MP1C	Z	-3.961	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	-2.287	5.5
92	MP1C	Z	-3.961	5.5
93	MP1C	Mx	-.002	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%54

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%8.358

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member 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	M4	Y	-9.499	-9.499	0	%100
2	M10	Y	-9.499	-9.499	0	%100
3	M43	Y	-9.499	-9.499	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,%]
4	M46	Y	-10.008	-10.008	0	%100
5	M51B	Y	-5.089	-5.089	0	%100
6	M52B	Y	-5.089	-5.089	0	%100
7	M76	Y	-9.995	-9.995	0	%100
8	M77	Y	-9.995	-9.995	0	%100
9	M80	Y	-10.008	-10.008	0	%100
10	M84	Y	-9.995	-9.995	0	%100
11	M85	Y	-9.995	-9.995	0	%100
12	M91	Y	-10.008	-10.008	0	%100
13	M25	Y	-9.499	-9.499	0	%100
14	M26	Y	-9.499	-9.499	0	%100
15	M27	Y	-9.499	-9.499	0	%100
16	M28	Y	-10.008	-10.008	0	%100
17	M31	Y	-5.089	-5.089	0	%100
18	M32	Y	-5.089	-5.089	0	%100
19	M36	Y	-9.995	-9.995	0	%100
20	M37	Y	-9.995	-9.995	0	%100
21	M39	Y	-10.008	-10.008	0	%100
22	M41	Y	-9.995	-9.995	0	%100
23	M42	Y	-9.995	-9.995	0	%100
24	M44	Y	-10.008	-10.008	0	%100
25	M49	Y	-9.499	-9.499	0	%100
26	M50A	Y	-9.499	-9.499	0	%100
27	M51C	Y	-9.499	-9.499	0	%100
28	M52A	Y	-10.008	-10.008	0	%100
29	M55	Y	-5.089	-5.089	0	%100
30	M56	Y	-5.089	-5.089	0	%100
31	M60	Y	-9.995	-9.995	0	%100
32	M61	Y	-9.995	-9.995	0	%100
33	M63	Y	-10.008	-10.008	0	%100
34	M65	Y	-9.995	-9.995	0	%100
35	M66	Y	-9.995	-9.995	0	%100
36	M68	Y	-10.008	-10.008	0	%100
37	M73	Y	-6.486	-6.486	0	%100
38	M74	Y	-6.486	-6.486	0	%100
39	M75	Y	-6.486	-6.486	0	%100
40	MP1A	Y	-4.915	-4.915	0	%100
41	MP2A	Y	-5.613	-5.613	0	%100
42	MP3A	Y	-4.915	-4.915	0	%100
43	MP4A	Y	-4.915	-4.915	0	%100
44	M85A	Y	-4.915	-4.915	0	%100
45	MP1C	Y	-4.915	-4.915	0	%100
46	MP2C	Y	-5.613	-5.613	0	%100
47	MP3C	Y	-4.915	-4.915	0	%100
48	MP4C	Y	-4.915	-4.915	0	%100
49	MP1B	Y	-4.915	-4.915	0	%100
50	MP2B	Y	-5.613	-5.613	0	%100
51	MP3B	Y	-4.915	-4.915	0	%100
52	MP4B	Y	-4.915	-4.915	0	%100
53	M102	Y	-5.613	-5.613	0	%100
54	M108	Y	-5.613	-5.613	0	%100
55	M114	Y	-5.613	-5.613	0	%100
56	M125	Y	-7.524	-7.524	0	%100
57	M126	Y	-7.524	-7.524	0	%100
58	M127	Y	-7.524	-7.524	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-8.711	-8.711	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-8.711	-8.711	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-17.376	-17.376	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-1.809	-1.809	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-1.809	-1.809	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-4.424	-4.424	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-4.66	-4.66	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-4.424	-4.424	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-4.66	-4.66	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-8.302	-8.302	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.178	-2.178	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.178	-2.178	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.344	-4.344	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-1.809	-1.809	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-7.236	-7.236	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-13.032	-13.032	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-4.424	-4.424	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-4.66	-4.66	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-13.032	-13.032	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-17.698	-17.698	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-18.641	-18.641	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-8.302	-8.302	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-2.178	-2.178	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-2.178	-2.178	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-4.344	-4.344	0	%100
57	M55	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,%]
58	M55	Z	-7.236	-7.236	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-1.809	-1.809	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-13.032	-13.032	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-17.698	-17.698	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-18.641	-18.641	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-13.032	-13.032	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-4.424	-4.424	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-4.66	-4.66	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-10.136	-10.136	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-2.534	-2.534	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-2.534	-2.534	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-6.878	-6.878	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-8.326	-8.326	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-6.878	-6.878	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-6.878	-6.878	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	-5.624	-5.624	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-6.878	-6.878	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-8.326	-8.326	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-6.878	-6.878	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-6.878	-6.878	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-6.878	-6.878	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-8.326	-8.326	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-6.878	-6.878	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-6.878	-6.878	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-2.082	-2.082	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-8.326	-8.326	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-2.082	-2.082	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	-2.728	-2.728	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-2.728	-2.728	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,%]
115	M127	X	0	0	0	%100
116	M127	Z	-10.912	-10.912	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	M4	X	1.384	1.384	0	%100
2	M4	Z	-2.397	-2.397	0	%100
3	M10	X	3.267	3.267	0	%100
4	M10	Z	-5.658	-5.658	0	%100
5	M43	X	3.267	3.267	0	%100
6	M43	Z	-5.658	-5.658	0	%100
7	M46	X	6.516	6.516	0	%100
8	M46	Z	-11.286	-11.286	0	%100
9	M51B	X	2.714	2.714	0	%100
10	M51B	Z	-4.7	-4.7	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.172	2.172	0	%100
14	M76	Z	-3.762	-3.762	0	%100
15	M77	X	6.637	6.637	0	%100
16	M77	Z	-11.495	-11.495	0	%100
17	M80	X	6.99	6.99	0	%100
18	M80	Z	-12.107	-12.107	0	%100
19	M84	X	2.172	2.172	0	%100
20	M84	Z	-3.762	-3.762	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.384	1.384	0	%100
26	M25	Z	-2.397	-2.397	0	%100
27	M26	X	3.267	3.267	0	%100
28	M26	Z	-5.658	-5.658	0	%100
29	M27	X	3.267	3.267	0	%100
30	M27	Z	-5.658	-5.658	0	%100
31	M28	X	6.516	6.516	0	%100
32	M28	Z	-11.286	-11.286	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	2.714	2.714	0	%100
36	M32	Z	-4.7	-4.7	0	%100
37	M36	X	2.172	2.172	0	%100
38	M36	Z	-3.762	-3.762	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	2.172	2.172	0	%100
44	M41	Z	-3.762	-3.762	0	%100
45	M42	X	6.637	6.637	0	%100
46	M42	Z	-11.495	-11.495	0	%100
47	M44	X	6.99	6.99	0	%100
48	M44	Z	-12.107	-12.107	0	%100
49	M49	X	5.535	5.535	0	%100
50	M49	Z	-9.586	-9.586	0	%100
51	M50A	X	0	0	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,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	2.714	2.714	0	%100
58	M55	Z	-4.7	-4.7	0	%100
59	M56	X	2.714	2.714	0	%100
60	M56	Z	-4.7	-4.7	0	%100
61	M60	X	8.688	8.688	0	%100
62	M60	Z	-15.048	-15.048	0	%100
63	M61	X	6.637	6.637	0	%100
64	M61	Z	-11.495	-11.495	0	%100
65	M63	X	6.99	6.99	0	%100
66	M63	Z	-12.107	-12.107	0	%100
67	M65	X	8.688	8.688	0	%100
68	M65	Z	-15.048	-15.048	0	%100
69	M66	X	6.637	6.637	0	%100
70	M66	Z	-11.495	-11.495	0	%100
71	M68	X	6.99	6.99	0	%100
72	M68	Z	-12.107	-12.107	0	%100
73	M73	X	3.801	3.801	0	%100
74	M73	Z	-6.584	-6.584	0	%100
75	M74	X	3.801	3.801	0	%100
76	M74	Z	-6.584	-6.584	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.439	3.439	0	%100
80	MP1A	Z	-5.957	-5.957	0	%100
81	MP2A	X	4.163	4.163	0	%100
82	MP2A	Z	-7.211	-7.211	0	%100
83	MP3A	X	3.439	3.439	0	%100
84	MP3A	Z	-5.957	-5.957	0	%100
85	MP4A	X	3.439	3.439	0	%100
86	MP4A	Z	-5.957	-5.957	0	%100
87	M85A	X	2.812	2.812	0	%100
88	M85A	Z	-4.871	-4.871	0	%100
89	MP1C	X	3.439	3.439	0	%100
90	MP1C	Z	-5.957	-5.957	0	%100
91	MP2C	X	4.163	4.163	0	%100
92	MP2C	Z	-7.211	-7.211	0	%100
93	MP3C	X	3.439	3.439	0	%100
94	MP3C	Z	-5.957	-5.957	0	%100
95	MP4C	X	3.439	3.439	0	%100
96	MP4C	Z	-5.957	-5.957	0	%100
97	MP1B	X	3.439	3.439	0	%100
98	MP1B	Z	-5.957	-5.957	0	%100
99	MP2B	X	4.163	4.163	0	%100
100	MP2B	Z	-7.211	-7.211	0	%100
101	MP3B	X	3.439	3.439	0	%100
102	MP3B	Z	-5.957	-5.957	0	%100
103	MP4B	X	3.439	3.439	0	%100
104	MP4B	Z	-5.957	-5.957	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	3.122	3.122	0	%100
108	M108	Z	-5.408	-5.408	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,%]
109	M114	X	3.122	3.122	0	%100
110	M114	Z	-5.408	-5.408	0	%100
111	M125	X	4.092	4.092	0	%100
112	M125	Z	-7.087	-7.087	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	4.092	4.092	0	%100
116	M127	Z	-7.087	-7.087	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	M4	X	7.19	7.19	0	%100
2	M4	Z	-4.151	-4.151	0	%100
3	M10	X	1.886	1.886	0	%100
4	M10	Z	-1.089	-1.089	0	%100
5	M43	X	1.886	1.886	0	%100
6	M43	Z	-1.089	-1.089	0	%100
7	M46	X	3.762	3.762	0	%100
8	M46	Z	-2.172	-2.172	0	%100
9	M51B	X	6.267	6.267	0	%100
10	M51B	Z	-3.618	-3.618	0	%100
11	M52B	X	1.567	1.567	0	%100
12	M52B	Z	-.905	-.905	0	%100
13	M76	X	11.286	11.286	0	%100
14	M76	Z	-6.516	-6.516	0	%100
15	M77	X	15.327	15.327	0	%100
16	M77	Z	-8.849	-8.849	0	%100
17	M80	X	16.143	16.143	0	%100
18	M80	Z	-9.32	-9.32	0	%100
19	M84	X	11.286	11.286	0	%100
20	M84	Z	-6.516	-6.516	0	%100
21	M85	X	3.832	3.832	0	%100
22	M85	Z	-2.212	-2.212	0	%100
23	M91	X	4.036	4.036	0	%100
24	M91	Z	-2.33	-2.33	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	7.544	7.544	0	%100
28	M26	Z	-4.356	-4.356	0	%100
29	M27	X	7.544	7.544	0	%100
30	M27	Z	-4.356	-4.356	0	%100
31	M28	X	15.048	15.048	0	%100
32	M28	Z	-8.688	-8.688	0	%100
33	M31	X	1.567	1.567	0	%100
34	M31	Z	-.905	-.905	0	%100
35	M32	X	1.567	1.567	0	%100
36	M32	Z	-.905	-.905	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	3.832	3.832	0	%100
40	M37	Z	-2.212	-2.212	0	%100
41	M39	X	4.036	4.036	0	%100
42	M39	Z	-2.33	-2.33	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	3.832	3.832	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,%]
46	M42	Z	-2.212	-2.212	0	%100
47	M44	X	4.036	4.036	0	%100
48	M44	Z	-2.33	-2.33	0	%100
49	M49	X	7.19	7.19	0	%100
50	M49	Z	-4.151	-4.151	0	%100
51	M50A	X	1.886	1.886	0	%100
52	M50A	Z	-1.089	-1.089	0	%100
53	M51C	X	1.886	1.886	0	%100
54	M51C	Z	-1.089	-1.089	0	%100
55	M52A	X	3.762	3.762	0	%100
56	M52A	Z	-2.172	-2.172	0	%100
57	M55	X	1.567	1.567	0	%100
58	M55	Z	-.905	-.905	0	%100
59	M56	X	6.267	6.267	0	%100
60	M56	Z	-3.618	-3.618	0	%100
61	M60	X	11.286	11.286	0	%100
62	M60	Z	-6.516	-6.516	0	%100
63	M61	X	3.832	3.832	0	%100
64	M61	Z	-2.212	-2.212	0	%100
65	M63	X	4.036	4.036	0	%100
66	M63	Z	-2.33	-2.33	0	%100
67	M65	X	11.286	11.286	0	%100
68	M65	Z	-6.516	-6.516	0	%100
69	M66	X	15.327	15.327	0	%100
70	M66	Z	-8.849	-8.849	0	%100
71	M68	X	16.143	16.143	0	%100
72	M68	Z	-9.32	-9.32	0	%100
73	M73	X	2.195	2.195	0	%100
74	M73	Z	-1.267	-1.267	0	%100
75	M74	X	8.778	8.778	0	%100
76	M74	Z	-5.068	-5.068	0	%100
77	M75	X	2.195	2.195	0	%100
78	M75	Z	-1.267	-1.267	0	%100
79	MP1A	X	5.957	5.957	0	%100
80	MP1A	Z	-3.439	-3.439	0	%100
81	MP2A	X	7.211	7.211	0	%100
82	MP2A	Z	-4.163	-4.163	0	%100
83	MP3A	X	5.957	5.957	0	%100
84	MP3A	Z	-3.439	-3.439	0	%100
85	MP4A	X	5.957	5.957	0	%100
86	MP4A	Z	-3.439	-3.439	0	%100
87	M85A	X	4.871	4.871	0	%100
88	M85A	Z	-2.812	-2.812	0	%100
89	MP1C	X	5.957	5.957	0	%100
90	MP1C	Z	-3.439	-3.439	0	%100
91	MP2C	X	7.211	7.211	0	%100
92	MP2C	Z	-4.163	-4.163	0	%100
93	MP3C	X	5.957	5.957	0	%100
94	MP3C	Z	-3.439	-3.439	0	%100
95	MP4C	X	5.957	5.957	0	%100
96	MP4C	Z	-3.439	-3.439	0	%100
97	MP1B	X	5.957	5.957	0	%100
98	MP1B	Z	-3.439	-3.439	0	%100
99	MP2B	X	7.211	7.211	0	%100
100	MP2B	Z	-4.163	-4.163	0	%100
101	MP3B	X	5.957	5.957	0	%100
102	MP3B	Z	-3.439	-3.439	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,%]
103	MP4B	X	5.957	5.957	0	%100
104	MP4B	Z	-3.439	-3.439	0	%100
105	M102	X	1.803	1.803	0	%100
106	M102	Z	-1.041	-1.041	0	%100
107	M108	X	1.803	1.803	0	%100
108	M108	Z	-1.041	-1.041	0	%100
109	M114	X	7.211	7.211	0	%100
110	M114	Z	-4.163	-4.163	0	%100
111	M125	X	9.45	9.45	0	%100
112	M125	Z	-5.456	-5.456	0	%100
113	M126	X	2.362	2.362	0	%100
114	M126	Z	-1.364	-1.364	0	%100
115	M127	X	2.362	2.362	0	%100
116	M127	Z	-1.364	-1.364	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	M4	X	11.07	11.07	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	5.427	5.427	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	5.427	5.427	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	17.376	17.376	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	13.273	13.273	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	13.981	13.981	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	17.376	17.376	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	13.273	13.273	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	13.981	13.981	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	2.767	2.767	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	6.534	6.534	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	6.534	6.534	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	13.032	13.032	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	5.427	5.427	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	4.344	4.344	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	13.273	13.273	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,%]
40	M37	Z	0	0	0	%100
41	M39	X	13.981	13.981	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	4.344	4.344	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	2.767	2.767	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	6.534	6.534	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	6.534	6.534	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	13.032	13.032	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	5.427	5.427	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	4.344	4.344	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	4.344	4.344	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	13.273	13.273	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	13.981	13.981	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	7.602	7.602	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	7.602	7.602	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	6.878	6.878	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	8.326	8.326	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	6.878	6.878	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	6.878	6.878	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	5.624	5.624	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	6.878	6.878	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	8.326	8.326	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	6.878	6.878	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	6.878	6.878	0	%100
96	MP4C	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,%]
97	MP1B	X	6.878	6.878	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	8.326	8.326	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	6.878	6.878	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	6.878	6.878	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	6.245	6.245	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M114	X	6.245	6.245	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	8.184	8.184	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	8.184	8.184	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	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	M4	X	7.19	7.19	0	%100
2	M4	Z	4.151	4.151	0	%100
3	M10	X	1.886	1.886	0	%100
4	M10	Z	1.089	1.089	0	%100
5	M43	X	1.886	1.886	0	%100
6	M43	Z	1.089	1.089	0	%100
7	M46	X	3.762	3.762	0	%100
8	M46	Z	2.172	2.172	0	%100
9	M51B	X	1.567	1.567	0	%100
10	M51B	Z	.905	.905	0	%100
11	M52B	X	6.267	6.267	0	%100
12	M52B	Z	3.618	3.618	0	%100
13	M76	X	11.286	11.286	0	%100
14	M76	Z	6.516	6.516	0	%100
15	M77	X	3.832	3.832	0	%100
16	M77	Z	2.212	2.212	0	%100
17	M80	X	4.036	4.036	0	%100
18	M80	Z	2.33	2.33	0	%100
19	M84	X	11.286	11.286	0	%100
20	M84	Z	6.516	6.516	0	%100
21	M85	X	15.327	15.327	0	%100
22	M85	Z	8.849	8.849	0	%100
23	M91	X	16.143	16.143	0	%100
24	M91	Z	9.32	9.32	0	%100
25	M25	X	7.19	7.19	0	%100
26	M25	Z	4.151	4.151	0	%100
27	M26	X	1.886	1.886	0	%100
28	M26	Z	1.089	1.089	0	%100
29	M27	X	1.886	1.886	0	%100
30	M27	Z	1.089	1.089	0	%100
31	M28	X	3.762	3.762	0	%100
32	M28	Z	2.172	2.172	0	%100
33	M31	X	6.267	6.267	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,%]
34	M31	Z	3.618	3.618	0	%100
35	M32	X	1.567	1.567	0	%100
36	M32	Z	.905	.905	0	%100
37	M36	X	11.286	11.286	0	%100
38	M36	Z	6.516	6.516	0	%100
39	M37	X	15.327	15.327	0	%100
40	M37	Z	8.849	8.849	0	%100
41	M39	X	16.143	16.143	0	%100
42	M39	Z	9.32	9.32	0	%100
43	M41	X	11.286	11.286	0	%100
44	M41	Z	6.516	6.516	0	%100
45	M42	X	3.832	3.832	0	%100
46	M42	Z	2.212	2.212	0	%100
47	M44	X	4.036	4.036	0	%100
48	M44	Z	2.33	2.33	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	7.544	7.544	0	%100
52	M50A	Z	4.356	4.356	0	%100
53	M51C	X	7.544	7.544	0	%100
54	M51C	Z	4.356	4.356	0	%100
55	M52A	X	15.048	15.048	0	%100
56	M52A	Z	8.688	8.688	0	%100
57	M55	X	1.567	1.567	0	%100
58	M55	Z	.905	.905	0	%100
59	M56	X	1.567	1.567	0	%100
60	M56	Z	.905	.905	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	3.832	3.832	0	%100
64	M61	Z	2.212	2.212	0	%100
65	M63	X	4.036	4.036	0	%100
66	M63	Z	2.33	2.33	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	3.832	3.832	0	%100
70	M66	Z	2.212	2.212	0	%100
71	M68	X	4.036	4.036	0	%100
72	M68	Z	2.33	2.33	0	%100
73	M73	X	2.195	2.195	0	%100
74	M73	Z	1.267	1.267	0	%100
75	M74	X	2.195	2.195	0	%100
76	M74	Z	1.267	1.267	0	%100
77	M75	X	8.778	8.778	0	%100
78	M75	Z	5.068	5.068	0	%100
79	MP1A	X	5.957	5.957	0	%100
80	MP1A	Z	3.439	3.439	0	%100
81	MP2A	X	7.211	7.211	0	%100
82	MP2A	Z	4.163	4.163	0	%100
83	MP3A	X	5.957	5.957	0	%100
84	MP3A	Z	3.439	3.439	0	%100
85	MP4A	X	5.957	5.957	0	%100
86	MP4A	Z	3.439	3.439	0	%100
87	M85A	X	4.871	4.871	0	%100
88	M85A	Z	2.812	2.812	0	%100
89	MP1C	X	5.957	5.957	0	%100
90	MP1C	Z	3.439	3.439	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,%]
91	MP2C	X	7.211	7.211	0	%100
92	MP2C	Z	4.163	4.163	0	%100
93	MP3C	X	5.957	5.957	0	%100
94	MP3C	Z	3.439	3.439	0	%100
95	MP4C	X	5.957	5.957	0	%100
96	MP4C	Z	3.439	3.439	0	%100
97	MP1B	X	5.957	5.957	0	%100
98	MP1B	Z	3.439	3.439	0	%100
99	MP2B	X	7.211	7.211	0	%100
100	MP2B	Z	4.163	4.163	0	%100
101	MP3B	X	5.957	5.957	0	%100
102	MP3B	Z	3.439	3.439	0	%100
103	MP4B	X	5.957	5.957	0	%100
104	MP4B	Z	3.439	3.439	0	%100
105	M102	X	7.211	7.211	0	%100
106	M102	Z	4.163	4.163	0	%100
107	M108	X	1.803	1.803	0	%100
108	M108	Z	1.041	1.041	0	%100
109	M114	X	1.803	1.803	0	%100
110	M114	Z	1.041	1.041	0	%100
111	M125	X	2.362	2.362	0	%100
112	M125	Z	1.364	1.364	0	%100
113	M126	X	9.45	9.45	0	%100
114	M126	Z	5.456	5.456	0	%100
115	M127	X	2.362	2.362	0	%100
116	M127	Z	1.364	1.364	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	M4	X	1.384	1.384	0	%100
2	M4	Z	2.397	2.397	0	%100
3	M10	X	3.267	3.267	0	%100
4	M10	Z	5.658	5.658	0	%100
5	M43	X	3.267	3.267	0	%100
6	M43	Z	5.658	5.658	0	%100
7	M46	X	6.516	6.516	0	%100
8	M46	Z	11.286	11.286	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.714	2.714	0	%100
12	M52B	Z	4.7	4.7	0	%100
13	M76	X	2.172	2.172	0	%100
14	M76	Z	3.762	3.762	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.172	2.172	0	%100
20	M84	Z	3.762	3.762	0	%100
21	M85	X	6.637	6.637	0	%100
22	M85	Z	11.495	11.495	0	%100
23	M91	X	6.99	6.99	0	%100
24	M91	Z	12.107	12.107	0	%100
25	M25	X	5.535	5.535	0	%100
26	M25	Z	9.586	9.586	0	%100
27	M26	X	0	0	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,%]
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	2.714	2.714	0	%100
34	M31	Z	4.7	4.7	0	%100
35	M32	X	2.714	2.714	0	%100
36	M32	Z	4.7	4.7	0	%100
37	M36	X	8.688	8.688	0	%100
38	M36	Z	15.048	15.048	0	%100
39	M37	X	6.637	6.637	0	%100
40	M37	Z	11.495	11.495	0	%100
41	M39	X	6.99	6.99	0	%100
42	M39	Z	12.107	12.107	0	%100
43	M41	X	8.688	8.688	0	%100
44	M41	Z	15.048	15.048	0	%100
45	M42	X	6.637	6.637	0	%100
46	M42	Z	11.495	11.495	0	%100
47	M44	X	6.99	6.99	0	%100
48	M44	Z	12.107	12.107	0	%100
49	M49	X	1.384	1.384	0	%100
50	M49	Z	2.397	2.397	0	%100
51	M50A	X	3.267	3.267	0	%100
52	M50A	Z	5.658	5.658	0	%100
53	M51C	X	3.267	3.267	0	%100
54	M51C	Z	5.658	5.658	0	%100
55	M52A	X	6.516	6.516	0	%100
56	M52A	Z	11.286	11.286	0	%100
57	M55	X	2.714	2.714	0	%100
58	M55	Z	4.7	4.7	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	2.172	2.172	0	%100
62	M60	Z	3.762	3.762	0	%100
63	M61	X	6.637	6.637	0	%100
64	M61	Z	11.495	11.495	0	%100
65	M63	X	6.99	6.99	0	%100
66	M63	Z	12.107	12.107	0	%100
67	M65	X	2.172	2.172	0	%100
68	M65	Z	3.762	3.762	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	3.801	3.801	0	%100
74	M73	Z	6.584	6.584	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.801	3.801	0	%100
78	M75	Z	6.584	6.584	0	%100
79	MP1A	X	3.439	3.439	0	%100
80	MP1A	Z	5.957	5.957	0	%100
81	MP2A	X	4.163	4.163	0	%100
82	MP2A	Z	7.211	7.211	0	%100
83	MP3A	X	3.439	3.439	0	%100
84	MP3A	Z	5.957	5.957	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,%]
85	MP4A	X	3.439	3.439	0	%100
86	MP4A	Z	5.957	5.957	0	%100
87	M85A	X	2.812	2.812	0	%100
88	M85A	Z	4.871	4.871	0	%100
89	MP1C	X	3.439	3.439	0	%100
90	MP1C	Z	5.957	5.957	0	%100
91	MP2C	X	4.163	4.163	0	%100
92	MP2C	Z	7.211	7.211	0	%100
93	MP3C	X	3.439	3.439	0	%100
94	MP3C	Z	5.957	5.957	0	%100
95	MP4C	X	3.439	3.439	0	%100
96	MP4C	Z	5.957	5.957	0	%100
97	MP1B	X	3.439	3.439	0	%100
98	MP1B	Z	5.957	5.957	0	%100
99	MP2B	X	4.163	4.163	0	%100
100	MP2B	Z	7.211	7.211	0	%100
101	MP3B	X	3.439	3.439	0	%100
102	MP3B	Z	5.957	5.957	0	%100
103	MP4B	X	3.439	3.439	0	%100
104	MP4B	Z	5.957	5.957	0	%100
105	M102	X	3.122	3.122	0	%100
106	M102	Z	5.408	5.408	0	%100
107	M108	X	3.122	3.122	0	%100
108	M108	Z	5.408	5.408	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	4.092	4.092	0	%100
114	M126	Z	7.087	7.087	0	%100
115	M127	X	4.092	4.092	0	%100
116	M127	Z	7.087	7.087	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	8.711	8.711	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	8.711	8.711	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	17.376	17.376	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	1.809	1.809	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	1.809	1.809	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	4.424	4.424	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	4.66	4.66	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M85	Z	4.424	4.424	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	4.66	4.66	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	8.302	8.302	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.178	2.178	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.178	2.178	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.344	4.344	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	1.809	1.809	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	7.236	7.236	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	13.032	13.032	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	4.424	4.424	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	4.66	4.66	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	13.032	13.032	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	17.698	17.698	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	18.641	18.641	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	8.302	8.302	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	2.178	2.178	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	2.178	2.178	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	4.344	4.344	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	7.236	7.236	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	1.809	1.809	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	13.032	13.032	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	17.698	17.698	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	18.641	18.641	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	13.032	13.032	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	4.424	4.424	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	4.66	4.66	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	10.136	10.136	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	2.534	2.534	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	2.534	2.534	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,%]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	6.878	6.878	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	8.326	8.326	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	6.878	6.878	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	6.878	6.878	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	5.624	5.624	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	6.878	6.878	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	8.326	8.326	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	6.878	6.878	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	6.878	6.878	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	6.878	6.878	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	8.326	8.326	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	6.878	6.878	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	6.878	6.878	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	2.082	2.082	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	8.326	8.326	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	2.082	2.082	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	2.728	2.728	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	2.728	2.728	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	10.912	10.912	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	M4	X	-1.384	-1.384	0	%100
2	M4	Z	2.397	2.397	0	%100
3	M10	X	-3.267	-3.267	0	%100
4	M10	Z	5.658	5.658	0	%100
5	M43	X	-3.267	-3.267	0	%100
6	M43	Z	5.658	5.658	0	%100
7	M46	X	-6.516	-6.516	0	%100
8	M46	Z	11.286	11.286	0	%100
9	M51B	X	-2.714	-2.714	0	%100
10	M51B	Z	4.7	4.7	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.172	-2.172	0	%100
14	M76	Z	3.762	3.762	0	%100
15	M77	X	-6.637	-6.637	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,%]
16	M77	Z	11.495	11.495	0	%100
17	M80	X	-6.99	-6.99	0	%100
18	M80	Z	12.107	12.107	0	%100
19	M84	X	-2.172	-2.172	0	%100
20	M84	Z	3.762	3.762	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.384	-1.384	0	%100
26	M25	Z	2.397	2.397	0	%100
27	M26	X	-3.267	-3.267	0	%100
28	M26	Z	5.658	5.658	0	%100
29	M27	X	-3.267	-3.267	0	%100
30	M27	Z	5.658	5.658	0	%100
31	M28	X	-6.516	-6.516	0	%100
32	M28	Z	11.286	11.286	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-2.714	-2.714	0	%100
36	M32	Z	4.7	4.7	0	%100
37	M36	X	-2.172	-2.172	0	%100
38	M36	Z	3.762	3.762	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-2.172	-2.172	0	%100
44	M41	Z	3.762	3.762	0	%100
45	M42	X	-6.637	-6.637	0	%100
46	M42	Z	11.495	11.495	0	%100
47	M44	X	-6.99	-6.99	0	%100
48	M44	Z	12.107	12.107	0	%100
49	M49	X	-5.535	-5.535	0	%100
50	M49	Z	9.586	9.586	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-2.714	-2.714	0	%100
58	M55	Z	4.7	4.7	0	%100
59	M56	X	-2.714	-2.714	0	%100
60	M56	Z	4.7	4.7	0	%100
61	M60	X	-8.688	-8.688	0	%100
62	M60	Z	15.048	15.048	0	%100
63	M61	X	-6.637	-6.637	0	%100
64	M61	Z	11.495	11.495	0	%100
65	M63	X	-6.99	-6.99	0	%100
66	M63	Z	12.107	12.107	0	%100
67	M65	X	-8.688	-8.688	0	%100
68	M65	Z	15.048	15.048	0	%100
69	M66	X	-6.637	-6.637	0	%100
70	M66	Z	11.495	11.495	0	%100
71	M68	X	-6.99	-6.99	0	%100
72	M68	Z	12.107	12.107	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,%]
73	M73	X	-3.801	-3.801	0	%100
74	M73	Z	6.584	6.584	0	%100
75	M74	X	-3.801	-3.801	0	%100
76	M74	Z	6.584	6.584	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.439	-3.439	0	%100
80	MP1A	Z	5.957	5.957	0	%100
81	MP2A	X	-4.163	-4.163	0	%100
82	MP2A	Z	7.211	7.211	0	%100
83	MP3A	X	-3.439	-3.439	0	%100
84	MP3A	Z	5.957	5.957	0	%100
85	MP4A	X	-3.439	-3.439	0	%100
86	MP4A	Z	5.957	5.957	0	%100
87	M85A	X	-2.812	-2.812	0	%100
88	M85A	Z	4.871	4.871	0	%100
89	MP1C	X	-3.439	-3.439	0	%100
90	MP1C	Z	5.957	5.957	0	%100
91	MP2C	X	-4.163	-4.163	0	%100
92	MP2C	Z	7.211	7.211	0	%100
93	MP3C	X	-3.439	-3.439	0	%100
94	MP3C	Z	5.957	5.957	0	%100
95	MP4C	X	-3.439	-3.439	0	%100
96	MP4C	Z	5.957	5.957	0	%100
97	MP1B	X	-3.439	-3.439	0	%100
98	MP1B	Z	5.957	5.957	0	%100
99	MP2B	X	-4.163	-4.163	0	%100
100	MP2B	Z	7.211	7.211	0	%100
101	MP3B	X	-3.439	-3.439	0	%100
102	MP3B	Z	5.957	5.957	0	%100
103	MP4B	X	-3.439	-3.439	0	%100
104	MP4B	Z	5.957	5.957	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	-3.122	-3.122	0	%100
108	M108	Z	5.408	5.408	0	%100
109	M114	X	-3.122	-3.122	0	%100
110	M114	Z	5.408	5.408	0	%100
111	M125	X	-4.092	-4.092	0	%100
112	M125	Z	7.087	7.087	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	-4.092	-4.092	0	%100
116	M127	Z	7.087	7.087	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	M4	X	-7.19	-7.19	0	%100
2	M4	Z	4.151	4.151	0	%100
3	M10	X	-1.886	-1.886	0	%100
4	M10	Z	1.089	1.089	0	%100
5	M43	X	-1.886	-1.886	0	%100
6	M43	Z	1.089	1.089	0	%100
7	M46	X	-3.762	-3.762	0	%100
8	M46	Z	2.172	2.172	0	%100
9	M51B	X	-6.267	-6.267	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,%]
10	M51B	Z	3.618	3.618	0	%100
11	M52B	X	-1.567	-1.567	0	%100
12	M52B	Z	.905	.905	0	%100
13	M76	X	-11.286	-11.286	0	%100
14	M76	Z	6.516	6.516	0	%100
15	M77	X	-15.327	-15.327	0	%100
16	M77	Z	8.849	8.849	0	%100
17	M80	X	-16.143	-16.143	0	%100
18	M80	Z	9.32	9.32	0	%100
19	M84	X	-11.286	-11.286	0	%100
20	M84	Z	6.516	6.516	0	%100
21	M85	X	-3.832	-3.832	0	%100
22	M85	Z	2.212	2.212	0	%100
23	M91	X	-4.036	-4.036	0	%100
24	M91	Z	2.33	2.33	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-7.544	-7.544	0	%100
28	M26	Z	4.356	4.356	0	%100
29	M27	X	-7.544	-7.544	0	%100
30	M27	Z	4.356	4.356	0	%100
31	M28	X	-15.048	-15.048	0	%100
32	M28	Z	8.688	8.688	0	%100
33	M31	X	-1.567	-1.567	0	%100
34	M31	Z	.905	.905	0	%100
35	M32	X	-1.567	-1.567	0	%100
36	M32	Z	.905	.905	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-3.832	-3.832	0	%100
40	M37	Z	2.212	2.212	0	%100
41	M39	X	-4.036	-4.036	0	%100
42	M39	Z	2.33	2.33	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-3.832	-3.832	0	%100
46	M42	Z	2.212	2.212	0	%100
47	M44	X	-4.036	-4.036	0	%100
48	M44	Z	2.33	2.33	0	%100
49	M49	X	-7.19	-7.19	0	%100
50	M49	Z	4.151	4.151	0	%100
51	M50A	X	-1.886	-1.886	0	%100
52	M50A	Z	1.089	1.089	0	%100
53	M51C	X	-1.886	-1.886	0	%100
54	M51C	Z	1.089	1.089	0	%100
55	M52A	X	-3.762	-3.762	0	%100
56	M52A	Z	2.172	2.172	0	%100
57	M55	X	-1.567	-1.567	0	%100
58	M55	Z	.905	.905	0	%100
59	M56	X	-6.267	-6.267	0	%100
60	M56	Z	3.618	3.618	0	%100
61	M60	X	-11.286	-11.286	0	%100
62	M60	Z	6.516	6.516	0	%100
63	M61	X	-3.832	-3.832	0	%100
64	M61	Z	2.212	2.212	0	%100
65	M63	X	-4.036	-4.036	0	%100
66	M63	Z	2.33	2.33	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,%]
67	M65	X	-11.286	-11.286	0	%100
68	M65	Z	6.516	6.516	0	%100
69	M66	X	-15.327	-15.327	0	%100
70	M66	Z	8.849	8.849	0	%100
71	M68	X	-16.143	-16.143	0	%100
72	M68	Z	9.32	9.32	0	%100
73	M73	X	-2.195	-2.195	0	%100
74	M73	Z	1.267	1.267	0	%100
75	M74	X	-8.778	-8.778	0	%100
76	M74	Z	5.068	5.068	0	%100
77	M75	X	-2.195	-2.195	0	%100
78	M75	Z	1.267	1.267	0	%100
79	MP1A	X	-5.957	-5.957	0	%100
80	MP1A	Z	3.439	3.439	0	%100
81	MP2A	X	-7.211	-7.211	0	%100
82	MP2A	Z	4.163	4.163	0	%100
83	MP3A	X	-5.957	-5.957	0	%100
84	MP3A	Z	3.439	3.439	0	%100
85	MP4A	X	-5.957	-5.957	0	%100
86	MP4A	Z	3.439	3.439	0	%100
87	M85A	X	-4.871	-4.871	0	%100
88	M85A	Z	2.812	2.812	0	%100
89	MP1C	X	-5.957	-5.957	0	%100
90	MP1C	Z	3.439	3.439	0	%100
91	MP2C	X	-7.211	-7.211	0	%100
92	MP2C	Z	4.163	4.163	0	%100
93	MP3C	X	-5.957	-5.957	0	%100
94	MP3C	Z	3.439	3.439	0	%100
95	MP4C	X	-5.957	-5.957	0	%100
96	MP4C	Z	3.439	3.439	0	%100
97	MP1B	X	-5.957	-5.957	0	%100
98	MP1B	Z	3.439	3.439	0	%100
99	MP2B	X	-7.211	-7.211	0	%100
100	MP2B	Z	4.163	4.163	0	%100
101	MP3B	X	-5.957	-5.957	0	%100
102	MP3B	Z	3.439	3.439	0	%100
103	MP4B	X	-5.957	-5.957	0	%100
104	MP4B	Z	3.439	3.439	0	%100
105	M102	X	-1.803	-1.803	0	%100
106	M102	Z	1.041	1.041	0	%100
107	M108	X	-1.803	-1.803	0	%100
108	M108	Z	1.041	1.041	0	%100
109	M114	X	-7.211	-7.211	0	%100
110	M114	Z	4.163	4.163	0	%100
111	M125	X	-9.45	-9.45	0	%100
112	M125	Z	5.456	5.456	0	%100
113	M126	X	-2.362	-2.362	0	%100
114	M126	Z	1.364	1.364	0	%100
115	M127	X	-2.362	-2.362	0	%100
116	M127	Z	1.364	1.364	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	M4	X	-11.07	-11.07	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-5.427	-5.427	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-5.427	-5.427	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-17.376	-17.376	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-13.273	-13.273	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-13.981	-13.981	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-17.376	-17.376	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-13.273	-13.273	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-13.981	-13.981	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-2.767	-2.767	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-6.534	-6.534	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-6.534	-6.534	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-13.032	-13.032	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-5.427	-5.427	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-4.344	-4.344	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-13.273	-13.273	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-13.981	-13.981	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-4.344	-4.344	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-2.767	-2.767	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-6.534	-6.534	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-6.534	-6.534	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-13.032	-13.032	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-5.427	-5.427	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M60	X	-4.344	-4.344	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-4.344	-4.344	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-13.273	-13.273	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-13.981	-13.981	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-7.602	-7.602	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-7.602	-7.602	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-6.878	-6.878	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-8.326	-8.326	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-6.878	-6.878	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-6.878	-6.878	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	-5.624	-5.624	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	-6.878	-6.878	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-8.326	-8.326	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-6.878	-6.878	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-6.878	-6.878	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	-6.878	-6.878	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-8.326	-8.326	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-6.878	-6.878	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-6.878	-6.878	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	-6.245	-6.245	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M114	X	-6.245	-6.245	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	-8.184	-8.184	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-8.184	-8.184	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	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	M4	X	-7.19	-7.19	0	%100
2	M4	Z	-4.151	-4.151	0	%100
3	M10	X	-1.886	-1.886	0	%100
4	M10	Z	-1.089	-1.089	0	%100
5	M43	X	-1.886	-1.886	0	%100
6	M43	Z	-1.089	-1.089	0	%100
7	M46	X	-3.762	-3.762	0	%100
8	M46	Z	-2.172	-2.172	0	%100
9	M51B	X	-1.567	-1.567	0	%100
10	M51B	Z	-.905	-.905	0	%100
11	M52B	X	-6.267	-6.267	0	%100
12	M52B	Z	-3.618	-3.618	0	%100
13	M76	X	-11.286	-11.286	0	%100
14	M76	Z	-6.516	-6.516	0	%100
15	M77	X	-3.832	-3.832	0	%100
16	M77	Z	-2.212	-2.212	0	%100
17	M80	X	-4.036	-4.036	0	%100
18	M80	Z	-2.33	-2.33	0	%100
19	M84	X	-11.286	-11.286	0	%100
20	M84	Z	-6.516	-6.516	0	%100
21	M85	X	-15.327	-15.327	0	%100
22	M85	Z	-8.849	-8.849	0	%100
23	M91	X	-16.143	-16.143	0	%100
24	M91	Z	-9.32	-9.32	0	%100
25	M25	X	-7.19	-7.19	0	%100
26	M25	Z	-4.151	-4.151	0	%100
27	M26	X	-1.886	-1.886	0	%100
28	M26	Z	-1.089	-1.089	0	%100
29	M27	X	-1.886	-1.886	0	%100
30	M27	Z	-1.089	-1.089	0	%100
31	M28	X	-3.762	-3.762	0	%100
32	M28	Z	-2.172	-2.172	0	%100
33	M31	X	-6.267	-6.267	0	%100
34	M31	Z	-3.618	-3.618	0	%100
35	M32	X	-1.567	-1.567	0	%100
36	M32	Z	-.905	-.905	0	%100
37	M36	X	-11.286	-11.286	0	%100
38	M36	Z	-6.516	-6.516	0	%100
39	M37	X	-15.327	-15.327	0	%100
40	M37	Z	-8.849	-8.849	0	%100
41	M39	X	-16.143	-16.143	0	%100
42	M39	Z	-9.32	-9.32	0	%100
43	M41	X	-11.286	-11.286	0	%100
44	M41	Z	-6.516	-6.516	0	%100
45	M42	X	-3.832	-3.832	0	%100
46	M42	Z	-2.212	-2.212	0	%100
47	M44	X	-4.036	-4.036	0	%100
48	M44	Z	-2.33	-2.33	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-7.544	-7.544	0	%100
52	M50A	Z	-4.356	-4.356	0	%100
53	M51C	X	-7.544	-7.544	0	%100
54	M51C	Z	-4.356	-4.356	0	%100
55	M52A	X	-15.048	-15.048	0	%100
56	M52A	Z	-8.688	-8.688	0	%100
57	M55	X	-1.567	-1.567	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,%]
58	M55	Z	-.905	-.905	0	%100
59	M56	X	-1.567	-1.567	0	%100
60	M56	Z	-.905	-.905	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-3.832	-3.832	0	%100
64	M61	Z	-2.212	-2.212	0	%100
65	M63	X	-4.036	-4.036	0	%100
66	M63	Z	-2.33	-2.33	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-3.832	-3.832	0	%100
70	M66	Z	-2.212	-2.212	0	%100
71	M68	X	-4.036	-4.036	0	%100
72	M68	Z	-2.33	-2.33	0	%100
73	M73	X	-2.195	-2.195	0	%100
74	M73	Z	-1.267	-1.267	0	%100
75	M74	X	-2.195	-2.195	0	%100
76	M74	Z	-1.267	-1.267	0	%100
77	M75	X	-8.778	-8.778	0	%100
78	M75	Z	-5.068	-5.068	0	%100
79	MP1A	X	-5.957	-5.957	0	%100
80	MP1A	Z	-3.439	-3.439	0	%100
81	MP2A	X	-7.211	-7.211	0	%100
82	MP2A	Z	-4.163	-4.163	0	%100
83	MP3A	X	-5.957	-5.957	0	%100
84	MP3A	Z	-3.439	-3.439	0	%100
85	MP4A	X	-5.957	-5.957	0	%100
86	MP4A	Z	-3.439	-3.439	0	%100
87	M85A	X	-4.871	-4.871	0	%100
88	M85A	Z	-2.812	-2.812	0	%100
89	MP1C	X	-5.957	-5.957	0	%100
90	MP1C	Z	-3.439	-3.439	0	%100
91	MP2C	X	-7.211	-7.211	0	%100
92	MP2C	Z	-4.163	-4.163	0	%100
93	MP3C	X	-5.957	-5.957	0	%100
94	MP3C	Z	-3.439	-3.439	0	%100
95	MP4C	X	-5.957	-5.957	0	%100
96	MP4C	Z	-3.439	-3.439	0	%100
97	MP1B	X	-5.957	-5.957	0	%100
98	MP1B	Z	-3.439	-3.439	0	%100
99	MP2B	X	-7.211	-7.211	0	%100
100	MP2B	Z	-4.163	-4.163	0	%100
101	MP3B	X	-5.957	-5.957	0	%100
102	MP3B	Z	-3.439	-3.439	0	%100
103	MP4B	X	-5.957	-5.957	0	%100
104	MP4B	Z	-3.439	-3.439	0	%100
105	M102	X	-7.211	-7.211	0	%100
106	M102	Z	-4.163	-4.163	0	%100
107	M108	X	-1.803	-1.803	0	%100
108	M108	Z	-1.041	-1.041	0	%100
109	M114	X	-1.803	-1.803	0	%100
110	M114	Z	-1.041	-1.041	0	%100
111	M125	X	-2.362	-2.362	0	%100
112	M125	Z	-1.364	-1.364	0	%100
113	M126	X	-9.45	-9.45	0	%100
114	M126	Z	-5.456	-5.456	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,%]
115	M127	X	-2.362	-2.362	0	%100
116	M127	Z	-1.364	-1.364	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	M4	X	-1.384	-1.384	0	%100
2	M4	Z	-2.397	-2.397	0	%100
3	M10	X	-3.267	-3.267	0	%100
4	M10	Z	-5.658	-5.658	0	%100
5	M43	X	-3.267	-3.267	0	%100
6	M43	Z	-5.658	-5.658	0	%100
7	M46	X	-6.516	-6.516	0	%100
8	M46	Z	-11.286	-11.286	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.714	-2.714	0	%100
12	M52B	Z	-4.7	-4.7	0	%100
13	M76	X	-2.172	-2.172	0	%100
14	M76	Z	-3.762	-3.762	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-2.172	-2.172	0	%100
20	M84	Z	-3.762	-3.762	0	%100
21	M85	X	-6.637	-6.637	0	%100
22	M85	Z	-11.495	-11.495	0	%100
23	M91	X	-6.99	-6.99	0	%100
24	M91	Z	-12.107	-12.107	0	%100
25	M25	X	-5.535	-5.535	0	%100
26	M25	Z	-9.586	-9.586	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-2.714	-2.714	0	%100
34	M31	Z	-4.7	-4.7	0	%100
35	M32	X	-2.714	-2.714	0	%100
36	M32	Z	-4.7	-4.7	0	%100
37	M36	X	-8.688	-8.688	0	%100
38	M36	Z	-15.048	-15.048	0	%100
39	M37	X	-6.637	-6.637	0	%100
40	M37	Z	-11.495	-11.495	0	%100
41	M39	X	-6.99	-6.99	0	%100
42	M39	Z	-12.107	-12.107	0	%100
43	M41	X	-8.688	-8.688	0	%100
44	M41	Z	-15.048	-15.048	0	%100
45	M42	X	-6.637	-6.637	0	%100
46	M42	Z	-11.495	-11.495	0	%100
47	M44	X	-6.99	-6.99	0	%100
48	M44	Z	-12.107	-12.107	0	%100
49	M49	X	-1.384	-1.384	0	%100
50	M49	Z	-2.397	-2.397	0	%100
51	M50A	X	-3.267	-3.267	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,%]
52	M50A	Z	-5.658	-5.658	0	%100
53	M51C	X	-3.267	-3.267	0	%100
54	M51C	Z	-5.658	-5.658	0	%100
55	M52A	X	-6.516	-6.516	0	%100
56	M52A	Z	-11.286	-11.286	0	%100
57	M55	X	-2.714	-2.714	0	%100
58	M55	Z	-4.7	-4.7	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-2.172	-2.172	0	%100
62	M60	Z	-3.762	-3.762	0	%100
63	M61	X	-6.637	-6.637	0	%100
64	M61	Z	-11.495	-11.495	0	%100
65	M63	X	-6.99	-6.99	0	%100
66	M63	Z	-12.107	-12.107	0	%100
67	M65	X	-2.172	-2.172	0	%100
68	M65	Z	-3.762	-3.762	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-3.801	-3.801	0	%100
74	M73	Z	-6.584	-6.584	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.801	-3.801	0	%100
78	M75	Z	-6.584	-6.584	0	%100
79	MP1A	X	-3.439	-3.439	0	%100
80	MP1A	Z	-5.957	-5.957	0	%100
81	MP2A	X	-4.163	-4.163	0	%100
82	MP2A	Z	-7.211	-7.211	0	%100
83	MP3A	X	-3.439	-3.439	0	%100
84	MP3A	Z	-5.957	-5.957	0	%100
85	MP4A	X	-3.439	-3.439	0	%100
86	MP4A	Z	-5.957	-5.957	0	%100
87	M85A	X	-2.812	-2.812	0	%100
88	M85A	Z	-4.871	-4.871	0	%100
89	MP1C	X	-3.439	-3.439	0	%100
90	MP1C	Z	-5.957	-5.957	0	%100
91	MP2C	X	-4.163	-4.163	0	%100
92	MP2C	Z	-7.211	-7.211	0	%100
93	MP3C	X	-3.439	-3.439	0	%100
94	MP3C	Z	-5.957	-5.957	0	%100
95	MP4C	X	-3.439	-3.439	0	%100
96	MP4C	Z	-5.957	-5.957	0	%100
97	MP1B	X	-3.439	-3.439	0	%100
98	MP1B	Z	-5.957	-5.957	0	%100
99	MP2B	X	-4.163	-4.163	0	%100
100	MP2B	Z	-7.211	-7.211	0	%100
101	MP3B	X	-3.439	-3.439	0	%100
102	MP3B	Z	-5.957	-5.957	0	%100
103	MP4B	X	-3.439	-3.439	0	%100
104	MP4B	Z	-5.957	-5.957	0	%100
105	M102	X	-3.122	-3.122	0	%100
106	M102	Z	-5.408	-5.408	0	%100
107	M108	X	-3.122	-3.122	0	%100
108	M108	Z	-5.408	-5.408	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,%]
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-4.092	-4.092	0	%100
114	M126	Z	-7.087	-7.087	0	%100
115	M127	X	-4.092	-4.092	0	%100
116	M127	Z	-7.087	-7.087	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-1.699	-1.699	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-1.699	-1.699	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-2.659	-2.659	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.415	-.415	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.415	-.415	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.664	-.664	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.693	-.693	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.664	-.664	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.693	-.693	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-1.634	-1.634	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.425	-.425	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.425	-.425	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.665	-.665	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.415	-.415	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-1.659	-1.659	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-1.961	-1.961	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.664	-.664	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-.693	-.693	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-1.961	-1.961	0	%100
45	M42	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,%]
46	M42	Z	-2.654	-2.654	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-2.771	-2.771	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-1.634	-1.634	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.425	-.425	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.425	-.425	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.665	-.665	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-1.659	-1.659	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.415	-.415	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.961	-1.961	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-2.654	-2.654	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-2.771	-2.771	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-1.961	-1.961	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.664	-.664	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.693	-.693	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-2.063	-2.063	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.516	-.516	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.516	-.516	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-1.662	-1.662	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-1.84	-1.84	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-1.662	-1.662	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-1.662	-1.662	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	-1.368	-1.368	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-1.662	-1.662	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-1.84	-1.84	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-1.662	-1.662	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-1.662	-1.662	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-1.662	-1.662	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-1.84	-1.84	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-1.662	-1.662	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,%]
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-1.662	-1.662	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.46	-.46	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-1.84	-1.84	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-.46	-.46	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	-.496	-.496	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-.496	-.496	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	-1.984	-1.984	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	M4	X	.272	.272	0	%100
2	M4	Z	-.472	-.472	0	%100
3	M10	X	.637	.637	0	%100
4	M10	Z	-1.103	-1.103	0	%100
5	M43	X	.637	.637	0	%100
6	M43	Z	-1.103	-1.103	0	%100
7	M46	X	.997	.997	0	%100
8	M46	Z	-1.727	-1.727	0	%100
9	M51B	X	.622	.622	0	%100
10	M51B	Z	-1.077	-1.077	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.327	.327	0	%100
14	M76	Z	-.566	-.566	0	%100
15	M77	X	.995	.995	0	%100
16	M77	Z	-1.724	-1.724	0	%100
17	M80	X	1.039	1.039	0	%100
18	M80	Z	-1.8	-1.8	0	%100
19	M84	X	.327	.327	0	%100
20	M84	Z	-.566	-.566	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.272	.272	0	%100
26	M25	Z	-.472	-.472	0	%100
27	M26	X	.637	.637	0	%100
28	M26	Z	-1.103	-1.103	0	%100
29	M27	X	.637	.637	0	%100
30	M27	Z	-1.103	-1.103	0	%100
31	M28	X	.997	.997	0	%100
32	M28	Z	-1.727	-1.727	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.622	.622	0	%100
36	M32	Z	-1.077	-1.077	0	%100
37	M36	X	.327	.327	0	%100
38	M36	Z	-.566	-.566	0	%100
39	M37	X	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,%]
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.327	.327	0	%100
44	M41	Z	-.566	-.566	0	%100
45	M42	X	.995	.995	0	%100
46	M42	Z	-1.724	-1.724	0	%100
47	M44	X	1.039	1.039	0	%100
48	M44	Z	-1.8	-1.8	0	%100
49	M49	X	1.089	1.089	0	%100
50	M49	Z	-1.886	-1.886	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.622	.622	0	%100
58	M55	Z	-1.077	-1.077	0	%100
59	M56	X	.622	.622	0	%100
60	M56	Z	-1.077	-1.077	0	%100
61	M60	X	1.307	1.307	0	%100
62	M60	Z	-2.265	-2.265	0	%100
63	M61	X	.995	.995	0	%100
64	M61	Z	-1.724	-1.724	0	%100
65	M63	X	1.039	1.039	0	%100
66	M63	Z	-1.8	-1.8	0	%100
67	M65	X	1.307	1.307	0	%100
68	M65	Z	-2.265	-2.265	0	%100
69	M66	X	.995	.995	0	%100
70	M66	Z	-1.724	-1.724	0	%100
71	M68	X	1.039	1.039	0	%100
72	M68	Z	-1.8	-1.8	0	%100
73	M73	X	.774	.774	0	%100
74	M73	Z	-1.34	-1.34	0	%100
75	M74	X	.774	.774	0	%100
76	M74	Z	-1.34	-1.34	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.831	.831	0	%100
80	MP1A	Z	-1.439	-1.439	0	%100
81	MP2A	X	.92	.92	0	%100
82	MP2A	Z	-1.594	-1.594	0	%100
83	MP3A	X	.831	.831	0	%100
84	MP3A	Z	-1.439	-1.439	0	%100
85	MP4A	X	.831	.831	0	%100
86	MP4A	Z	-1.439	-1.439	0	%100
87	M85A	X	.684	.684	0	%100
88	M85A	Z	-1.185	-1.185	0	%100
89	MP1C	X	.831	.831	0	%100
90	MP1C	Z	-1.439	-1.439	0	%100
91	MP2C	X	.92	.92	0	%100
92	MP2C	Z	-1.594	-1.594	0	%100
93	MP3C	X	.831	.831	0	%100
94	MP3C	Z	-1.439	-1.439	0	%100
95	MP4C	X	.831	.831	0	%100
96	MP4C	Z	-1.439	-1.439	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP1B	X	.831	.831	0	%100
98	MP1B	Z	-1.439	-1.439	0	%100
99	MP2B	X	.92	.92	0	%100
100	MP2B	Z	-1.594	-1.594	0	%100
101	MP3B	X	.831	.831	0	%100
102	MP3B	Z	-1.439	-1.439	0	%100
103	MP4B	X	.831	.831	0	%100
104	MP4B	Z	-1.439	-1.439	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	.69	.69	0	%100
108	M108	Z	-1.195	-1.195	0	%100
109	M114	X	.69	.69	0	%100
110	M114	Z	-1.195	-1.195	0	%100
111	M125	X	.744	.744	0	%100
112	M125	Z	-1.288	-1.288	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	.744	.744	0	%100
116	M127	Z	-1.288	-1.288	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	M4	X	1.415	1.415	0	%100
2	M4	Z	-.817	-.817	0	%100
3	M10	X	.368	.368	0	%100
4	M10	Z	-.212	-.212	0	%100
5	M43	X	.368	.368	0	%100
6	M43	Z	-.212	-.212	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	-.332	-.332	0	%100
9	M51B	X	1.436	1.436	0	%100
10	M51B	Z	-.829	-.829	0	%100
11	M52B	X	.359	.359	0	%100
12	M52B	Z	-.207	-.207	0	%100
13	M76	X	1.698	1.698	0	%100
14	M76	Z	-.981	-.981	0	%100
15	M77	X	2.299	2.299	0	%100
16	M77	Z	-1.327	-1.327	0	%100
17	M80	X	2.399	2.399	0	%100
18	M80	Z	-1.385	-1.385	0	%100
19	M84	X	1.698	1.698	0	%100
20	M84	Z	-.981	-.981	0	%100
21	M85	X	.575	.575	0	%100
22	M85	Z	-.332	-.332	0	%100
23	M91	X	.6	.6	0	%100
24	M91	Z	-.346	-.346	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	1.471	1.471	0	%100
28	M26	Z	-.849	-.849	0	%100
29	M27	X	1.471	1.471	0	%100
30	M27	Z	-.849	-.849	0	%100
31	M28	X	2.303	2.303	0	%100
32	M28	Z	-1.329	-1.329	0	%100
33	M31	X	.359	.359	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,%]
34	M31	Z	-.207	-.207	0	%100
35	M32	X	.359	.359	0	%100
36	M32	Z	-.207	-.207	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.575	.575	0	%100
40	M37	Z	-.332	-.332	0	%100
41	M39	X	.6	.6	0	%100
42	M39	Z	-.346	-.346	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.575	.575	0	%100
46	M42	Z	-.332	-.332	0	%100
47	M44	X	.6	.6	0	%100
48	M44	Z	-.346	-.346	0	%100
49	M49	X	1.415	1.415	0	%100
50	M49	Z	-.817	-.817	0	%100
51	M50A	X	.368	.368	0	%100
52	M50A	Z	-.212	-.212	0	%100
53	M51C	X	.368	.368	0	%100
54	M51C	Z	-.212	-.212	0	%100
55	M52A	X	.576	.576	0	%100
56	M52A	Z	-.332	-.332	0	%100
57	M55	X	.359	.359	0	%100
58	M55	Z	-.207	-.207	0	%100
59	M56	X	1.436	1.436	0	%100
60	M56	Z	-.829	-.829	0	%100
61	M60	X	1.698	1.698	0	%100
62	M60	Z	-.981	-.981	0	%100
63	M61	X	.575	.575	0	%100
64	M61	Z	-.332	-.332	0	%100
65	M63	X	.6	.6	0	%100
66	M63	Z	-.346	-.346	0	%100
67	M65	X	1.698	1.698	0	%100
68	M65	Z	-.981	-.981	0	%100
69	M66	X	2.299	2.299	0	%100
70	M66	Z	-1.327	-1.327	0	%100
71	M68	X	2.399	2.399	0	%100
72	M68	Z	-1.385	-1.385	0	%100
73	M73	X	.447	.447	0	%100
74	M73	Z	-.258	-.258	0	%100
75	M74	X	1.787	1.787	0	%100
76	M74	Z	-1.032	-1.032	0	%100
77	M75	X	.447	.447	0	%100
78	M75	Z	-.258	-.258	0	%100
79	MP1A	X	1.439	1.439	0	%100
80	MP1A	Z	-.831	-.831	0	%100
81	MP2A	X	1.594	1.594	0	%100
82	MP2A	Z	-.92	-.92	0	%100
83	MP3A	X	1.439	1.439	0	%100
84	MP3A	Z	-.831	-.831	0	%100
85	MP4A	X	1.439	1.439	0	%100
86	MP4A	Z	-.831	-.831	0	%100
87	M85A	X	1.185	1.185	0	%100
88	M85A	Z	-.684	-.684	0	%100
89	MP1C	X	1.439	1.439	0	%100
90	MP1C	Z	-.831	-.831	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,%]
91	MP2C	X	1.594	1.594	0	%100
92	MP2C	Z	-.92	-.92	0	%100
93	MP3C	X	1.439	1.439	0	%100
94	MP3C	Z	-.831	-.831	0	%100
95	MP4C	X	1.439	1.439	0	%100
96	MP4C	Z	-.831	-.831	0	%100
97	MP1B	X	1.439	1.439	0	%100
98	MP1B	Z	-.831	-.831	0	%100
99	MP2B	X	1.594	1.594	0	%100
100	MP2B	Z	-.92	-.92	0	%100
101	MP3B	X	1.439	1.439	0	%100
102	MP3B	Z	-.831	-.831	0	%100
103	MP4B	X	1.439	1.439	0	%100
104	MP4B	Z	-.831	-.831	0	%100
105	M102	X	.398	.398	0	%100
106	M102	Z	-.23	-.23	0	%100
107	M108	X	.398	.398	0	%100
108	M108	Z	-.23	-.23	0	%100
109	M114	X	1.594	1.594	0	%100
110	M114	Z	-.92	-.92	0	%100
111	M125	X	1.718	1.718	0	%100
112	M125	Z	-.992	-.992	0	%100
113	M126	X	.429	.429	0	%100
114	M126	Z	-.248	-.248	0	%100
115	M127	X	.429	.429	0	%100
116	M127	Z	-.248	-.248	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	M4	X	2.178	2.178	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	1.244	1.244	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.244	1.244	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.615	2.615	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.991	1.991	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	2.078	2.078	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.615	2.615	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.991	1.991	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	2.078	2.078	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.545	.545	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	1.274	1.274	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,%]
28	M26	Z	0	0	0	%100
29	M27	X	1.274	1.274	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	1.994	1.994	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.244	1.244	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.654	.654	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.991	1.991	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	2.078	2.078	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.654	.654	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.545	.545	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	1.274	1.274	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	1.274	1.274	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	1.994	1.994	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	1.244	1.244	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.654	.654	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.654	.654	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.991	1.991	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	2.078	2.078	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	1.547	1.547	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.547	1.547	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.662	1.662	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	1.84	1.84	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	1.662	1.662	0	%100
84	MP3A	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,%]
85	MP4A	X	1.662	1.662	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	1.368	1.368	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	1.662	1.662	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	1.84	1.84	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	1.662	1.662	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	1.662	1.662	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	1.662	1.662	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	1.84	1.84	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	1.662	1.662	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	1.662	1.662	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	1.38	1.38	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M114	X	1.38	1.38	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	1.488	1.488	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	1.488	1.488	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	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	M4	X	1.415	1.415	0	%100
2	M4	Z	.817	.817	0	%100
3	M10	X	.368	.368	0	%100
4	M10	Z	.212	.212	0	%100
5	M43	X	.368	.368	0	%100
6	M43	Z	.212	.212	0	%100
7	M46	X	.576	.576	0	%100
8	M46	Z	.332	.332	0	%100
9	M51B	X	.359	.359	0	%100
10	M51B	Z	.207	.207	0	%100
11	M52B	X	1.436	1.436	0	%100
12	M52B	Z	.829	.829	0	%100
13	M76	X	1.698	1.698	0	%100
14	M76	Z	.981	.981	0	%100
15	M77	X	.575	.575	0	%100
16	M77	Z	.332	.332	0	%100
17	M80	X	.6	.6	0	%100
18	M80	Z	.346	.346	0	%100
19	M84	X	1.698	1.698	0	%100
20	M84	Z	.981	.981	0	%100
21	M85	X	2.299	2.299	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,%]
22	M85	Z	1.327	1.327	0	%100
23	M91	X	2.399	2.399	0	%100
24	M91	Z	1.385	1.385	0	%100
25	M25	X	1.415	1.415	0	%100
26	M25	Z	.817	.817	0	%100
27	M26	X	.368	.368	0	%100
28	M26	Z	.212	.212	0	%100
29	M27	X	.368	.368	0	%100
30	M27	Z	.212	.212	0	%100
31	M28	X	.576	.576	0	%100
32	M28	Z	.332	.332	0	%100
33	M31	X	1.436	1.436	0	%100
34	M31	Z	.829	.829	0	%100
35	M32	X	.359	.359	0	%100
36	M32	Z	.207	.207	0	%100
37	M36	X	1.698	1.698	0	%100
38	M36	Z	.981	.981	0	%100
39	M37	X	2.299	2.299	0	%100
40	M37	Z	1.327	1.327	0	%100
41	M39	X	2.399	2.399	0	%100
42	M39	Z	1.385	1.385	0	%100
43	M41	X	1.698	1.698	0	%100
44	M41	Z	.981	.981	0	%100
45	M42	X	.575	.575	0	%100
46	M42	Z	.332	.332	0	%100
47	M44	X	.6	.6	0	%100
48	M44	Z	.346	.346	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	1.471	1.471	0	%100
52	M50A	Z	.849	.849	0	%100
53	M51C	X	1.471	1.471	0	%100
54	M51C	Z	.849	.849	0	%100
55	M52A	X	2.303	2.303	0	%100
56	M52A	Z	1.329	1.329	0	%100
57	M55	X	.359	.359	0	%100
58	M55	Z	.207	.207	0	%100
59	M56	X	.359	.359	0	%100
60	M56	Z	.207	.207	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.575	.575	0	%100
64	M61	Z	.332	.332	0	%100
65	M63	X	.6	.6	0	%100
66	M63	Z	.346	.346	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.575	.575	0	%100
70	M66	Z	.332	.332	0	%100
71	M68	X	.6	.6	0	%100
72	M68	Z	.346	.346	0	%100
73	M73	X	.447	.447	0	%100
74	M73	Z	.258	.258	0	%100
75	M74	X	.447	.447	0	%100
76	M74	Z	.258	.258	0	%100
77	M75	X	1.787	1.787	0	%100
78	M75	Z	1.032	1.032	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,%]
79	MP1A	X	1.439	1.439	0	%100
80	MP1A	Z	.831	.831	0	%100
81	MP2A	X	1.594	1.594	0	%100
82	MP2A	Z	.92	.92	0	%100
83	MP3A	X	1.439	1.439	0	%100
84	MP3A	Z	.831	.831	0	%100
85	MP4A	X	1.439	1.439	0	%100
86	MP4A	Z	.831	.831	0	%100
87	M85A	X	1.185	1.185	0	%100
88	M85A	Z	.684	.684	0	%100
89	MP1C	X	1.439	1.439	0	%100
90	MP1C	Z	.831	.831	0	%100
91	MP2C	X	1.594	1.594	0	%100
92	MP2C	Z	.92	.92	0	%100
93	MP3C	X	1.439	1.439	0	%100
94	MP3C	Z	.831	.831	0	%100
95	MP4C	X	1.439	1.439	0	%100
96	MP4C	Z	.831	.831	0	%100
97	MP1B	X	1.439	1.439	0	%100
98	MP1B	Z	.831	.831	0	%100
99	MP2B	X	1.594	1.594	0	%100
100	MP2B	Z	.92	.92	0	%100
101	MP3B	X	1.439	1.439	0	%100
102	MP3B	Z	.831	.831	0	%100
103	MP4B	X	1.439	1.439	0	%100
104	MP4B	Z	.831	.831	0	%100
105	M102	X	1.594	1.594	0	%100
106	M102	Z	.92	.92	0	%100
107	M108	X	.398	.398	0	%100
108	M108	Z	.23	.23	0	%100
109	M114	X	.398	.398	0	%100
110	M114	Z	.23	.23	0	%100
111	M125	X	.429	.429	0	%100
112	M125	Z	.248	.248	0	%100
113	M126	X	1.718	1.718	0	%100
114	M126	Z	.992	.992	0	%100
115	M127	X	.429	.429	0	%100
116	M127	Z	.248	.248	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	M4	X	.272	.272	0	%100
2	M4	Z	.472	.472	0	%100
3	M10	X	.637	.637	0	%100
4	M10	Z	1.103	1.103	0	%100
5	M43	X	.637	.637	0	%100
6	M43	Z	1.103	1.103	0	%100
7	M46	X	.997	.997	0	%100
8	M46	Z	1.727	1.727	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.622	.622	0	%100
12	M52B	Z	1.077	1.077	0	%100
13	M76	X	.327	.327	0	%100
14	M76	Z	.566	.566	0	%100
15	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.327	.327	0	%100
20	M84	Z	.566	.566	0	%100
21	M85	X	.995	.995	0	%100
22	M85	Z	1.724	1.724	0	%100
23	M91	X	1.039	1.039	0	%100
24	M91	Z	1.8	1.8	0	%100
25	M25	X	1.089	1.089	0	%100
26	M25	Z	1.886	1.886	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.622	.622	0	%100
34	M31	Z	1.077	1.077	0	%100
35	M32	X	.622	.622	0	%100
36	M32	Z	1.077	1.077	0	%100
37	M36	X	1.307	1.307	0	%100
38	M36	Z	2.265	2.265	0	%100
39	M37	X	.995	.995	0	%100
40	M37	Z	1.724	1.724	0	%100
41	M39	X	1.039	1.039	0	%100
42	M39	Z	1.8	1.8	0	%100
43	M41	X	1.307	1.307	0	%100
44	M41	Z	2.265	2.265	0	%100
45	M42	X	.995	.995	0	%100
46	M42	Z	1.724	1.724	0	%100
47	M44	X	1.039	1.039	0	%100
48	M44	Z	1.8	1.8	0	%100
49	M49	X	.272	.272	0	%100
50	M49	Z	.472	.472	0	%100
51	M50A	X	.637	.637	0	%100
52	M50A	Z	1.103	1.103	0	%100
53	M51C	X	.637	.637	0	%100
54	M51C	Z	1.103	1.103	0	%100
55	M52A	X	.997	.997	0	%100
56	M52A	Z	1.727	1.727	0	%100
57	M55	X	.622	.622	0	%100
58	M55	Z	1.077	1.077	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.327	.327	0	%100
62	M60	Z	.566	.566	0	%100
63	M61	X	.995	.995	0	%100
64	M61	Z	1.724	1.724	0	%100
65	M63	X	1.039	1.039	0	%100
66	M63	Z	1.8	1.8	0	%100
67	M65	X	.327	.327	0	%100
68	M65	Z	.566	.566	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100

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,%]
73	M73	X	.774	.774	0	%100
74	M73	Z	1.34	1.34	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.774	.774	0	%100
78	M75	Z	1.34	1.34	0	%100
79	MP1A	X	.831	.831	0	%100
80	MP1A	Z	1.439	1.439	0	%100
81	MP2A	X	.92	.92	0	%100
82	MP2A	Z	1.594	1.594	0	%100
83	MP3A	X	.831	.831	0	%100
84	MP3A	Z	1.439	1.439	0	%100
85	MP4A	X	.831	.831	0	%100
86	MP4A	Z	1.439	1.439	0	%100
87	M85A	X	.684	.684	0	%100
88	M85A	Z	1.185	1.185	0	%100
89	MP1C	X	.831	.831	0	%100
90	MP1C	Z	1.439	1.439	0	%100
91	MP2C	X	.92	.92	0	%100
92	MP2C	Z	1.594	1.594	0	%100
93	MP3C	X	.831	.831	0	%100
94	MP3C	Z	1.439	1.439	0	%100
95	MP4C	X	.831	.831	0	%100
96	MP4C	Z	1.439	1.439	0	%100
97	MP1B	X	.831	.831	0	%100
98	MP1B	Z	1.439	1.439	0	%100
99	MP2B	X	.92	.92	0	%100
100	MP2B	Z	1.594	1.594	0	%100
101	MP3B	X	.831	.831	0	%100
102	MP3B	Z	1.439	1.439	0	%100
103	MP4B	X	.831	.831	0	%100
104	MP4B	Z	1.439	1.439	0	%100
105	M102	X	.69	.69	0	%100
106	M102	Z	1.195	1.195	0	%100
107	M108	X	.69	.69	0	%100
108	M108	Z	1.195	1.195	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	.744	.744	0	%100
114	M126	Z	1.288	1.288	0	%100
115	M127	X	.744	.744	0	%100
116	M127	Z	1.288	1.288	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	1.699	1.699	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	1.699	1.699	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	2.659	2.659	0	%100
9	M51B	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,%]
10	M51B	Z	.415	.415	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.415	.415	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.664	.664	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.693	.693	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.664	.664	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.693	.693	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	1.634	1.634	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.425	.425	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.425	.425	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.665	.665	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.415	.415	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	1.659	1.659	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	1.961	1.961	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.664	.664	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.693	.693	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	1.961	1.961	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	2.654	2.654	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	2.771	2.771	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	1.634	1.634	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.425	.425	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.425	.425	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.665	.665	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	1.659	1.659	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.415	.415	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.961	1.961	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	2.654	2.654	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	2.771	2.771	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,%]
67	M65	X	0	0	0	%100
68	M65	Z	1.961	1.961	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.664	.664	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.693	.693	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	2.063	2.063	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.516	.516	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.516	.516	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	1.662	1.662	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	1.84	1.84	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	1.662	1.662	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	1.662	1.662	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	1.368	1.368	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	1.662	1.662	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	1.84	1.84	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	1.662	1.662	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	1.662	1.662	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	1.662	1.662	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	1.84	1.84	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	1.662	1.662	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	1.662	1.662	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.46	.46	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	1.84	1.84	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	.46	.46	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	.496	.496	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	.496	.496	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	1.984	1.984	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	M4	X	-.272	-.272	0	%100
2	M4	Z	.472	.472	0	%100
3	M10	X	-.637	-.637	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,%]
4	M10	Z	1.103	1.103	0	%100
5	M43	X	-.637	-.637	0	%100
6	M43	Z	1.103	1.103	0	%100
7	M46	X	-.997	-.997	0	%100
8	M46	Z	1.727	1.727	0	%100
9	M51B	X	-.622	-.622	0	%100
10	M51B	Z	1.077	1.077	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.327	-.327	0	%100
14	M76	Z	.566	.566	0	%100
15	M77	X	-.995	-.995	0	%100
16	M77	Z	1.724	1.724	0	%100
17	M80	X	-1.039	-1.039	0	%100
18	M80	Z	1.8	1.8	0	%100
19	M84	X	-.327	-.327	0	%100
20	M84	Z	.566	.566	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.272	-.272	0	%100
26	M25	Z	.472	.472	0	%100
27	M26	X	-.637	-.637	0	%100
28	M26	Z	1.103	1.103	0	%100
29	M27	X	-.637	-.637	0	%100
30	M27	Z	1.103	1.103	0	%100
31	M28	X	-.997	-.997	0	%100
32	M28	Z	1.727	1.727	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.622	-.622	0	%100
36	M32	Z	1.077	1.077	0	%100
37	M36	X	-.327	-.327	0	%100
38	M36	Z	.566	.566	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.327	-.327	0	%100
44	M41	Z	.566	.566	0	%100
45	M42	X	-.995	-.995	0	%100
46	M42	Z	1.724	1.724	0	%100
47	M44	X	-1.039	-1.039	0	%100
48	M44	Z	1.8	1.8	0	%100
49	M49	X	-1.089	-1.089	0	%100
50	M49	Z	1.886	1.886	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.622	-.622	0	%100
58	M55	Z	1.077	1.077	0	%100
59	M56	X	-.622	-.622	0	%100
60	M56	Z	1.077	1.077	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,%]
61	M60	X	-1.307	-1.307	0	%100
62	M60	Z	2.265	2.265	0	%100
63	M61	X	-.995	-.995	0	%100
64	M61	Z	1.724	1.724	0	%100
65	M63	X	-1.039	-1.039	0	%100
66	M63	Z	1.8	1.8	0	%100
67	M65	X	-1.307	-1.307	0	%100
68	M65	Z	2.265	2.265	0	%100
69	M66	X	-.995	-.995	0	%100
70	M66	Z	1.724	1.724	0	%100
71	M68	X	-1.039	-1.039	0	%100
72	M68	Z	1.8	1.8	0	%100
73	M73	X	-.774	-.774	0	%100
74	M73	Z	1.34	1.34	0	%100
75	M74	X	-.774	-.774	0	%100
76	M74	Z	1.34	1.34	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.831	-.831	0	%100
80	MP1A	Z	1.439	1.439	0	%100
81	MP2A	X	-.92	-.92	0	%100
82	MP2A	Z	1.594	1.594	0	%100
83	MP3A	X	-.831	-.831	0	%100
84	MP3A	Z	1.439	1.439	0	%100
85	MP4A	X	-.831	-.831	0	%100
86	MP4A	Z	1.439	1.439	0	%100
87	M85A	X	-.684	-.684	0	%100
88	M85A	Z	1.185	1.185	0	%100
89	MP1C	X	-.831	-.831	0	%100
90	MP1C	Z	1.439	1.439	0	%100
91	MP2C	X	-.92	-.92	0	%100
92	MP2C	Z	1.594	1.594	0	%100
93	MP3C	X	-.831	-.831	0	%100
94	MP3C	Z	1.439	1.439	0	%100
95	MP4C	X	-.831	-.831	0	%100
96	MP4C	Z	1.439	1.439	0	%100
97	MP1B	X	-.831	-.831	0	%100
98	MP1B	Z	1.439	1.439	0	%100
99	MP2B	X	-.92	-.92	0	%100
100	MP2B	Z	1.594	1.594	0	%100
101	MP3B	X	-.831	-.831	0	%100
102	MP3B	Z	1.439	1.439	0	%100
103	MP4B	X	-.831	-.831	0	%100
104	MP4B	Z	1.439	1.439	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	-.69	-.69	0	%100
108	M108	Z	1.195	1.195	0	%100
109	M114	X	-.69	-.69	0	%100
110	M114	Z	1.195	1.195	0	%100
111	M125	X	-.744	-.744	0	%100
112	M125	Z	1.288	1.288	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	-.744	-.744	0	%100
116	M127	Z	1.288	1.288	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	M4	X	-1.415	-1.415	0	%100
2	M4	Z	.817	.817	0	%100
3	M10	X	-.368	-.368	0	%100
4	M10	Z	.212	.212	0	%100
5	M43	X	-.368	-.368	0	%100
6	M43	Z	.212	.212	0	%100
7	M46	X	-.576	-.576	0	%100
8	M46	Z	.332	.332	0	%100
9	M51B	X	-1.436	-1.436	0	%100
10	M51B	Z	.829	.829	0	%100
11	M52B	X	-.359	-.359	0	%100
12	M52B	Z	.207	.207	0	%100
13	M76	X	-1.698	-1.698	0	%100
14	M76	Z	.981	.981	0	%100
15	M77	X	-2.299	-2.299	0	%100
16	M77	Z	1.327	1.327	0	%100
17	M80	X	-2.399	-2.399	0	%100
18	M80	Z	1.385	1.385	0	%100
19	M84	X	-1.698	-1.698	0	%100
20	M84	Z	.981	.981	0	%100
21	M85	X	-.575	-.575	0	%100
22	M85	Z	.332	.332	0	%100
23	M91	X	-.6	-.6	0	%100
24	M91	Z	.346	.346	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-1.471	-1.471	0	%100
28	M26	Z	.849	.849	0	%100
29	M27	X	-1.471	-1.471	0	%100
30	M27	Z	.849	.849	0	%100
31	M28	X	-2.303	-2.303	0	%100
32	M28	Z	1.329	1.329	0	%100
33	M31	X	-.359	-.359	0	%100
34	M31	Z	.207	.207	0	%100
35	M32	X	-.359	-.359	0	%100
36	M32	Z	.207	.207	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.575	-.575	0	%100
40	M37	Z	.332	.332	0	%100
41	M39	X	-.6	-.6	0	%100
42	M39	Z	.346	.346	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.575	-.575	0	%100
46	M42	Z	.332	.332	0	%100
47	M44	X	-.6	-.6	0	%100
48	M44	Z	.346	.346	0	%100
49	M49	X	-1.415	-1.415	0	%100
50	M49	Z	.817	.817	0	%100
51	M50A	X	-.368	-.368	0	%100
52	M50A	Z	.212	.212	0	%100
53	M51C	X	-.368	-.368	0	%100
54	M51C	Z	.212	.212	0	%100
55	M52A	X	-.576	-.576	0	%100
56	M52A	Z	.332	.332	0	%100
57	M55	X	-.359	-.359	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,%]
58	M55	Z	.207	.207	0	%100
59	M56	X	-1.436	-1.436	0	%100
60	M56	Z	.829	.829	0	%100
61	M60	X	-1.698	-1.698	0	%100
62	M60	Z	.981	.981	0	%100
63	M61	X	-.575	-.575	0	%100
64	M61	Z	.332	.332	0	%100
65	M63	X	-.6	-.6	0	%100
66	M63	Z	.346	.346	0	%100
67	M65	X	-1.698	-1.698	0	%100
68	M65	Z	.981	.981	0	%100
69	M66	X	-2.299	-2.299	0	%100
70	M66	Z	1.327	1.327	0	%100
71	M68	X	-2.399	-2.399	0	%100
72	M68	Z	1.385	1.385	0	%100
73	M73	X	-.447	-.447	0	%100
74	M73	Z	.258	.258	0	%100
75	M74	X	-1.787	-1.787	0	%100
76	M74	Z	1.032	1.032	0	%100
77	M75	X	-.447	-.447	0	%100
78	M75	Z	.258	.258	0	%100
79	MP1A	X	-1.439	-1.439	0	%100
80	MP1A	Z	.831	.831	0	%100
81	MP2A	X	-1.594	-1.594	0	%100
82	MP2A	Z	.92	.92	0	%100
83	MP3A	X	-1.439	-1.439	0	%100
84	MP3A	Z	.831	.831	0	%100
85	MP4A	X	-1.439	-1.439	0	%100
86	MP4A	Z	.831	.831	0	%100
87	M85A	X	-1.185	-1.185	0	%100
88	M85A	Z	.684	.684	0	%100
89	MP1C	X	-1.439	-1.439	0	%100
90	MP1C	Z	.831	.831	0	%100
91	MP2C	X	-1.594	-1.594	0	%100
92	MP2C	Z	.92	.92	0	%100
93	MP3C	X	-1.439	-1.439	0	%100
94	MP3C	Z	.831	.831	0	%100
95	MP4C	X	-1.439	-1.439	0	%100
96	MP4C	Z	.831	.831	0	%100
97	MP1B	X	-1.439	-1.439	0	%100
98	MP1B	Z	.831	.831	0	%100
99	MP2B	X	-1.594	-1.594	0	%100
100	MP2B	Z	.92	.92	0	%100
101	MP3B	X	-1.439	-1.439	0	%100
102	MP3B	Z	.831	.831	0	%100
103	MP4B	X	-1.439	-1.439	0	%100
104	MP4B	Z	.831	.831	0	%100
105	M102	X	-.398	-.398	0	%100
106	M102	Z	.23	.23	0	%100
107	M108	X	-.398	-.398	0	%100
108	M108	Z	.23	.23	0	%100
109	M114	X	-1.594	-1.594	0	%100
110	M114	Z	.92	.92	0	%100
111	M125	X	-1.718	-1.718	0	%100
112	M125	Z	.992	.992	0	%100
113	M126	X	-.429	-.429	0	%100
114	M126	Z	.248	.248	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,%]
115	M127	X	-.429	-.429	0	%100
116	M127	Z	.248	.248	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	M4	X	-2.178	-2.178	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-1.244	-1.244	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.244	-1.244	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.615	-2.615	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.991	-1.991	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-2.078	-2.078	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-2.615	-2.615	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.991	-1.991	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-2.078	-2.078	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.545	-.545	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-1.274	-1.274	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-1.274	-1.274	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-1.994	-1.994	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.244	-1.244	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.654	-.654	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.991	-1.991	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-2.078	-2.078	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.654	-.654	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.545	-.545	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-1.274	-1.274	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,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	-1.274	-1.274	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-1.994	-1.994	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-1.244	-1.244	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.654	-.654	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.654	-.654	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.991	-1.991	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-2.078	-2.078	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-1.547	-1.547	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.547	-1.547	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-1.662	-1.662	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-1.84	-1.84	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-1.662	-1.662	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-1.662	-1.662	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	-1.368	-1.368	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	-1.662	-1.662	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-1.84	-1.84	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-1.662	-1.662	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-1.662	-1.662	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	-1.662	-1.662	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-1.84	-1.84	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-1.662	-1.662	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-1.662	-1.662	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	-1.38	-1.38	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	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,%]
109	M114	X	-1.38	-1.38	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	-1.488	-1.488	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-1.488	-1.488	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.415	-1.415	0	%100
2	M4	Z	-.817	-.817	0	%100
3	M10	X	-.368	-.368	0	%100
4	M10	Z	-.212	-.212	0	%100
5	M43	X	-.368	-.368	0	%100
6	M43	Z	-.212	-.212	0	%100
7	M46	X	-.576	-.576	0	%100
8	M46	Z	-.332	-.332	0	%100
9	M51B	X	-.359	-.359	0	%100
10	M51B	Z	-.207	-.207	0	%100
11	M52B	X	-1.436	-1.436	0	%100
12	M52B	Z	-.829	-.829	0	%100
13	M76	X	-1.698	-1.698	0	%100
14	M76	Z	-.981	-.981	0	%100
15	M77	X	-.575	-.575	0	%100
16	M77	Z	-.332	-.332	0	%100
17	M80	X	-.6	-.6	0	%100
18	M80	Z	-.346	-.346	0	%100
19	M84	X	-1.698	-1.698	0	%100
20	M84	Z	-.981	-.981	0	%100
21	M85	X	-2.299	-2.299	0	%100
22	M85	Z	-1.327	-1.327	0	%100
23	M91	X	-2.399	-2.399	0	%100
24	M91	Z	-1.385	-1.385	0	%100
25	M25	X	-1.415	-1.415	0	%100
26	M25	Z	-.817	-.817	0	%100
27	M26	X	-.368	-.368	0	%100
28	M26	Z	-.212	-.212	0	%100
29	M27	X	-.368	-.368	0	%100
30	M27	Z	-.212	-.212	0	%100
31	M28	X	-.576	-.576	0	%100
32	M28	Z	-.332	-.332	0	%100
33	M31	X	-1.436	-1.436	0	%100
34	M31	Z	-.829	-.829	0	%100
35	M32	X	-.359	-.359	0	%100
36	M32	Z	-.207	-.207	0	%100
37	M36	X	-1.698	-1.698	0	%100
38	M36	Z	-.981	-.981	0	%100
39	M37	X	-2.299	-2.299	0	%100
40	M37	Z	-1.327	-1.327	0	%100
41	M39	X	-2.399	-2.399	0	%100
42	M39	Z	-1.385	-1.385	0	%100
43	M41	X	-1.698	-1.698	0	%100
44	M41	Z	-.981	-.981	0	%100
45	M42	X	-.575	-.575	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,%]
46	M42	Z	-.332	-.332	0	%100
47	M44	X	-.6	-.6	0	%100
48	M44	Z	-.346	-.346	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-1.471	-1.471	0	%100
52	M50A	Z	-.849	-.849	0	%100
53	M51C	X	-1.471	-1.471	0	%100
54	M51C	Z	-.849	-.849	0	%100
55	M52A	X	-2.303	-2.303	0	%100
56	M52A	Z	-1.329	-1.329	0	%100
57	M55	X	-.359	-.359	0	%100
58	M55	Z	-.207	-.207	0	%100
59	M56	X	-.359	-.359	0	%100
60	M56	Z	-.207	-.207	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.575	-.575	0	%100
64	M61	Z	-.332	-.332	0	%100
65	M63	X	-.6	-.6	0	%100
66	M63	Z	-.346	-.346	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.575	-.575	0	%100
70	M66	Z	-.332	-.332	0	%100
71	M68	X	-.6	-.6	0	%100
72	M68	Z	-.346	-.346	0	%100
73	M73	X	-.447	-.447	0	%100
74	M73	Z	-.258	-.258	0	%100
75	M74	X	-.447	-.447	0	%100
76	M74	Z	-.258	-.258	0	%100
77	M75	X	-1.787	-1.787	0	%100
78	M75	Z	-1.032	-1.032	0	%100
79	MP1A	X	-1.439	-1.439	0	%100
80	MP1A	Z	-.831	-.831	0	%100
81	MP2A	X	-1.594	-1.594	0	%100
82	MP2A	Z	-.92	-.92	0	%100
83	MP3A	X	-1.439	-1.439	0	%100
84	MP3A	Z	-.831	-.831	0	%100
85	MP4A	X	-1.439	-1.439	0	%100
86	MP4A	Z	-.831	-.831	0	%100
87	M85A	X	-1.185	-1.185	0	%100
88	M85A	Z	-.684	-.684	0	%100
89	MP1C	X	-1.439	-1.439	0	%100
90	MP1C	Z	-.831	-.831	0	%100
91	MP2C	X	-1.594	-1.594	0	%100
92	MP2C	Z	-.92	-.92	0	%100
93	MP3C	X	-1.439	-1.439	0	%100
94	MP3C	Z	-.831	-.831	0	%100
95	MP4C	X	-1.439	-1.439	0	%100
96	MP4C	Z	-.831	-.831	0	%100
97	MP1B	X	-1.439	-1.439	0	%100
98	MP1B	Z	-.831	-.831	0	%100
99	MP2B	X	-1.594	-1.594	0	%100
100	MP2B	Z	-.92	-.92	0	%100
101	MP3B	X	-1.439	-1.439	0	%100
102	MP3B	Z	-.831	-.831	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,%]
103	MP4B	X	-1.439	-1.439	0	%100
104	MP4B	Z	-.831	-.831	0	%100
105	M102	X	-1.594	-1.594	0	%100
106	M102	Z	-.92	-.92	0	%100
107	M108	X	-.398	-.398	0	%100
108	M108	Z	-.23	-.23	0	%100
109	M114	X	-.398	-.398	0	%100
110	M114	Z	-.23	-.23	0	%100
111	M125	X	-.429	-.429	0	%100
112	M125	Z	-.248	-.248	0	%100
113	M126	X	-1.718	-1.718	0	%100
114	M126	Z	-.992	-.992	0	%100
115	M127	X	-.429	-.429	0	%100
116	M127	Z	-.248	-.248	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	M4	X	-.272	-.272	0	%100
2	M4	Z	-.472	-.472	0	%100
3	M10	X	-.637	-.637	0	%100
4	M10	Z	-1.103	-1.103	0	%100
5	M43	X	-.637	-.637	0	%100
6	M43	Z	-1.103	-1.103	0	%100
7	M46	X	-.997	-.997	0	%100
8	M46	Z	-1.727	-1.727	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.622	-.622	0	%100
12	M52B	Z	-1.077	-1.077	0	%100
13	M76	X	-.327	-.327	0	%100
14	M76	Z	-.566	-.566	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.327	-.327	0	%100
20	M84	Z	-.566	-.566	0	%100
21	M85	X	-.995	-.995	0	%100
22	M85	Z	-1.724	-1.724	0	%100
23	M91	X	-1.039	-1.039	0	%100
24	M91	Z	-1.8	-1.8	0	%100
25	M25	X	-1.089	-1.089	0	%100
26	M25	Z	-1.886	-1.886	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.622	-.622	0	%100
34	M31	Z	-1.077	-1.077	0	%100
35	M32	X	-.622	-.622	0	%100
36	M32	Z	-1.077	-1.077	0	%100
37	M36	X	-1.307	-1.307	0	%100
38	M36	Z	-2.265	-2.265	0	%100
39	M37	X	-.995	-.995	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,%]
40	M37	Z	-1.724	-1.724	0	%100
41	M39	X	-1.039	-1.039	0	%100
42	M39	Z	-1.8	-1.8	0	%100
43	M41	X	-1.307	-1.307	0	%100
44	M41	Z	-2.265	-2.265	0	%100
45	M42	X	-.995	-.995	0	%100
46	M42	Z	-1.724	-1.724	0	%100
47	M44	X	-1.039	-1.039	0	%100
48	M44	Z	-1.8	-1.8	0	%100
49	M49	X	-.272	-.272	0	%100
50	M49	Z	-.472	-.472	0	%100
51	M50A	X	-.637	-.637	0	%100
52	M50A	Z	-1.103	-1.103	0	%100
53	M51C	X	-.637	-.637	0	%100
54	M51C	Z	-1.103	-1.103	0	%100
55	M52A	X	-.997	-.997	0	%100
56	M52A	Z	-1.727	-1.727	0	%100
57	M55	X	-.622	-.622	0	%100
58	M55	Z	-1.077	-1.077	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.327	-.327	0	%100
62	M60	Z	-.566	-.566	0	%100
63	M61	X	-.995	-.995	0	%100
64	M61	Z	-1.724	-1.724	0	%100
65	M63	X	-1.039	-1.039	0	%100
66	M63	Z	-1.8	-1.8	0	%100
67	M65	X	-.327	-.327	0	%100
68	M65	Z	-.566	-.566	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.774	-.774	0	%100
74	M73	Z	-1.34	-1.34	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.774	-.774	0	%100
78	M75	Z	-1.34	-1.34	0	%100
79	MP1A	X	-.831	-.831	0	%100
80	MP1A	Z	-1.439	-1.439	0	%100
81	MP2A	X	-.92	-.92	0	%100
82	MP2A	Z	-1.594	-1.594	0	%100
83	MP3A	X	-.831	-.831	0	%100
84	MP3A	Z	-1.439	-1.439	0	%100
85	MP4A	X	-.831	-.831	0	%100
86	MP4A	Z	-1.439	-1.439	0	%100
87	M85A	X	-.684	-.684	0	%100
88	M85A	Z	-1.185	-1.185	0	%100
89	MP1C	X	-.831	-.831	0	%100
90	MP1C	Z	-1.439	-1.439	0	%100
91	MP2C	X	-.92	-.92	0	%100
92	MP2C	Z	-1.594	-1.594	0	%100
93	MP3C	X	-.831	-.831	0	%100
94	MP3C	Z	-1.439	-1.439	0	%100
95	MP4C	X	-.831	-.831	0	%100
96	MP4C	Z	-1.439	-1.439	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,%]
97	MP1B	X	-.831	-.831	0	%100
98	MP1B	Z	-1.439	-1.439	0	%100
99	MP2B	X	-.92	-.92	0	%100
100	MP2B	Z	-1.594	-1.594	0	%100
101	MP3B	X	-.831	-.831	0	%100
102	MP3B	Z	-1.439	-1.439	0	%100
103	MP4B	X	-.831	-.831	0	%100
104	MP4B	Z	-1.439	-1.439	0	%100
105	M102	X	-.69	-.69	0	%100
106	M102	Z	-1.195	-1.195	0	%100
107	M108	X	-.69	-.69	0	%100
108	M108	Z	-1.195	-1.195	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-.744	-.744	0	%100
114	M126	Z	-1.288	-1.288	0	%100
115	M127	X	-.744	-.744	0	%100
116	M127	Z	-1.288	-1.288	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.603	-.603	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.603	-.603	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.203	-1.203	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.125	-.125	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.125	-.125	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.306	-.306	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.323	-.323	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.306	-.306	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.323	-.323	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.575	-.575	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.151	-.151	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.151	-.151	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.301	-.301	0	%100
33	M31	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,%]
34	M31	Z	-.125	-.125	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.501	-.501	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-.902	-.902	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.306	-.306	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-.323	-.323	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-.902	-.902	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-1.226	-1.226	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.291	-1.291	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.575	-.575	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.151	-.151	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.151	-.151	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.301	-.301	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.501	-.501	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.125	-.125	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-.902	-.902	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.226	-1.226	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.291	-1.291	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-.902	-.902	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.306	-.306	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.323	-.323	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.702	-.702	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.175	-.175	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.175	-.175	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.476	-.476	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.577	-.577	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.476	-.476	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.476	-.476	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	-.39	-.39	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-.476	-.476	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,%]
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.577	-.577	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-.476	-.476	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-.476	-.476	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-.476	-.476	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.577	-.577	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-.476	-.476	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.476	-.476	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.144	-.144	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-.577	-.577	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-.144	-.144	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	-.189	-.189	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	-.189	-.189	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	-.756	-.756	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	M4	X	.096	.096	0	%100
2	M4	Z	-.166	-.166	0	%100
3	M10	X	.226	.226	0	%100
4	M10	Z	-.392	-.392	0	%100
5	M43	X	.226	.226	0	%100
6	M43	Z	-.392	-.392	0	%100
7	M46	X	.451	.451	0	%100
8	M46	Z	-.782	-.782	0	%100
9	M51B	X	.188	.188	0	%100
10	M51B	Z	-.325	-.325	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.15	.15	0	%100
14	M76	Z	-.261	-.261	0	%100
15	M77	X	.46	.46	0	%100
16	M77	Z	-.796	-.796	0	%100
17	M80	X	.484	.484	0	%100
18	M80	Z	-.838	-.838	0	%100
19	M84	X	.15	.15	0	%100
20	M84	Z	-.261	-.261	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.096	.096	0	%100
26	M25	Z	-.166	-.166	0	%100
27	M26	X	.226	.226	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,%]
28	M26	Z	-.392	-.392	0	%100
29	M27	X	.226	.226	0	%100
30	M27	Z	-.392	-.392	0	%100
31	M28	X	.451	.451	0	%100
32	M28	Z	-.782	-.782	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.188	.188	0	%100
36	M32	Z	-.325	-.325	0	%100
37	M36	X	.15	.15	0	%100
38	M36	Z	-.261	-.261	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.15	.15	0	%100
44	M41	Z	-.261	-.261	0	%100
45	M42	X	.46	.46	0	%100
46	M42	Z	-.796	-.796	0	%100
47	M44	X	.484	.484	0	%100
48	M44	Z	-.838	-.838	0	%100
49	M49	X	.383	.383	0	%100
50	M49	Z	-.664	-.664	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.188	.188	0	%100
58	M55	Z	-.325	-.325	0	%100
59	M56	X	.188	.188	0	%100
60	M56	Z	-.325	-.325	0	%100
61	M60	X	.602	.602	0	%100
62	M60	Z	-1.042	-1.042	0	%100
63	M61	X	.46	.46	0	%100
64	M61	Z	-.796	-.796	0	%100
65	M63	X	.484	.484	0	%100
66	M63	Z	-.838	-.838	0	%100
67	M65	X	.602	.602	0	%100
68	M65	Z	-1.042	-1.042	0	%100
69	M66	X	.46	.46	0	%100
70	M66	Z	-.796	-.796	0	%100
71	M68	X	.484	.484	0	%100
72	M68	Z	-.838	-.838	0	%100
73	M73	X	.263	.263	0	%100
74	M73	Z	-.456	-.456	0	%100
75	M74	X	.263	.263	0	%100
76	M74	Z	-.456	-.456	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.238	.238	0	%100
80	MP1A	Z	-.413	-.413	0	%100
81	MP2A	X	.288	.288	0	%100
82	MP2A	Z	-.499	-.499	0	%100
83	MP3A	X	.238	.238	0	%100
84	MP3A	Z	-.413	-.413	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,%]
85	MP4A	X	.238	.238	0	%100
86	MP4A	Z	-.413	-.413	0	%100
87	M85A	X	.195	.195	0	%100
88	M85A	Z	-.337	-.337	0	%100
89	MP1C	X	.238	.238	0	%100
90	MP1C	Z	-.413	-.413	0	%100
91	MP2C	X	.288	.288	0	%100
92	MP2C	Z	-.499	-.499	0	%100
93	MP3C	X	.238	.238	0	%100
94	MP3C	Z	-.413	-.413	0	%100
95	MP4C	X	.238	.238	0	%100
96	MP4C	Z	-.413	-.413	0	%100
97	MP1B	X	.238	.238	0	%100
98	MP1B	Z	-.413	-.413	0	%100
99	MP2B	X	.288	.288	0	%100
100	MP2B	Z	-.499	-.499	0	%100
101	MP3B	X	.238	.238	0	%100
102	MP3B	Z	-.413	-.413	0	%100
103	MP4B	X	.238	.238	0	%100
104	MP4B	Z	-.413	-.413	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	.216	.216	0	%100
108	M108	Z	-.375	-.375	0	%100
109	M114	X	.216	.216	0	%100
110	M114	Z	-.375	-.375	0	%100
111	M125	X	.283	.283	0	%100
112	M125	Z	-.491	-.491	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	.283	.283	0	%100
116	M127	Z	-.491	-.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.498	.498	0	%100
2	M4	Z	-.287	-.287	0	%100
3	M10	X	.131	.131	0	%100
4	M10	Z	-.075	-.075	0	%100
5	M43	X	.131	.131	0	%100
6	M43	Z	-.075	-.075	0	%100
7	M46	X	.261	.261	0	%100
8	M46	Z	-.15	-.15	0	%100
9	M51B	X	.434	.434	0	%100
10	M51B	Z	-.251	-.251	0	%100
11	M52B	X	.108	.108	0	%100
12	M52B	Z	-.063	-.063	0	%100
13	M76	X	.782	.782	0	%100
14	M76	Z	-.451	-.451	0	%100
15	M77	X	1.061	1.061	0	%100
16	M77	Z	-.613	-.613	0	%100
17	M80	X	1.118	1.118	0	%100
18	M80	Z	-.645	-.645	0	%100
19	M84	X	.782	.782	0	%100
20	M84	Z	-.451	-.451	0	%100
21	M85	X	.265	.265	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,%]
22	M85	Z	-.153	-.153	0	%100
23	M91	X	.279	.279	0	%100
24	M91	Z	-.161	-.161	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.522	.522	0	%100
28	M26	Z	-.302	-.302	0	%100
29	M27	X	.522	.522	0	%100
30	M27	Z	-.302	-.302	0	%100
31	M28	X	1.042	1.042	0	%100
32	M28	Z	-.602	-.602	0	%100
33	M31	X	.108	.108	0	%100
34	M31	Z	-.063	-.063	0	%100
35	M32	X	.108	.108	0	%100
36	M32	Z	-.063	-.063	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.265	.265	0	%100
40	M37	Z	-.153	-.153	0	%100
41	M39	X	.279	.279	0	%100
42	M39	Z	-.161	-.161	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.265	.265	0	%100
46	M42	Z	-.153	-.153	0	%100
47	M44	X	.279	.279	0	%100
48	M44	Z	-.161	-.161	0	%100
49	M49	X	.498	.498	0	%100
50	M49	Z	-.287	-.287	0	%100
51	M50A	X	.131	.131	0	%100
52	M50A	Z	-.075	-.075	0	%100
53	M51C	X	.131	.131	0	%100
54	M51C	Z	-.075	-.075	0	%100
55	M52A	X	.261	.261	0	%100
56	M52A	Z	-.15	-.15	0	%100
57	M55	X	.108	.108	0	%100
58	M55	Z	-.063	-.063	0	%100
59	M56	X	.434	.434	0	%100
60	M56	Z	-.251	-.251	0	%100
61	M60	X	.782	.782	0	%100
62	M60	Z	-.451	-.451	0	%100
63	M61	X	.265	.265	0	%100
64	M61	Z	-.153	-.153	0	%100
65	M63	X	.279	.279	0	%100
66	M63	Z	-.161	-.161	0	%100
67	M65	X	.782	.782	0	%100
68	M65	Z	-.451	-.451	0	%100
69	M66	X	1.061	1.061	0	%100
70	M66	Z	-.613	-.613	0	%100
71	M68	X	1.118	1.118	0	%100
72	M68	Z	-.645	-.645	0	%100
73	M73	X	.152	.152	0	%100
74	M73	Z	-.088	-.088	0	%100
75	M74	X	.608	.608	0	%100
76	M74	Z	-.351	-.351	0	%100
77	M75	X	.152	.152	0	%100
78	M75	Z	-.088	-.088	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,%]
79	MP1A	X	.413	.413	0	%100
80	MP1A	Z	-.238	-.238	0	%100
81	MP2A	X	.499	.499	0	%100
82	MP2A	Z	-.288	-.288	0	%100
83	MP3A	X	.413	.413	0	%100
84	MP3A	Z	-.238	-.238	0	%100
85	MP4A	X	.413	.413	0	%100
86	MP4A	Z	-.238	-.238	0	%100
87	M85A	X	.337	.337	0	%100
88	M85A	Z	-.195	-.195	0	%100
89	MP1C	X	.413	.413	0	%100
90	MP1C	Z	-.238	-.238	0	%100
91	MP2C	X	.499	.499	0	%100
92	MP2C	Z	-.288	-.288	0	%100
93	MP3C	X	.413	.413	0	%100
94	MP3C	Z	-.238	-.238	0	%100
95	MP4C	X	.413	.413	0	%100
96	MP4C	Z	-.238	-.238	0	%100
97	MP1B	X	.413	.413	0	%100
98	MP1B	Z	-.238	-.238	0	%100
99	MP2B	X	.499	.499	0	%100
100	MP2B	Z	-.288	-.288	0	%100
101	MP3B	X	.413	.413	0	%100
102	MP3B	Z	-.238	-.238	0	%100
103	MP4B	X	.413	.413	0	%100
104	MP4B	Z	-.238	-.238	0	%100
105	M102	X	.125	.125	0	%100
106	M102	Z	-.072	-.072	0	%100
107	M108	X	.125	.125	0	%100
108	M108	Z	-.072	-.072	0	%100
109	M114	X	.499	.499	0	%100
110	M114	Z	-.288	-.288	0	%100
111	M125	X	.654	.654	0	%100
112	M125	Z	-.378	-.378	0	%100
113	M126	X	.164	.164	0	%100
114	M126	Z	-.094	-.094	0	%100
115	M127	X	.164	.164	0	%100
116	M127	Z	-.094	-.094	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	M4	X	.767	.767	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.376	.376	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.376	.376	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.203	1.203	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	.919	.919	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,%]
16	M77	Z	0	0	0	%100
17	M80	X	.968	.968	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.203	1.203	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	.919	.919	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	.968	.968	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.192	.192	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.452	.452	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.452	.452	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.902	.902	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.376	.376	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.301	.301	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.919	.919	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	.968	.968	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.301	.301	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.192	.192	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.452	.452	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.452	.452	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	.902	.902	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.376	.376	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.301	.301	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.301	.301	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.919	.919	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	.968	.968	0	%100
72	M68	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,%]
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.526	.526	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.526	.526	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.476	.476	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.577	.577	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.476	.476	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.476	.476	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	.39	.39	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	.476	.476	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	.577	.577	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	.476	.476	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	.476	.476	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	.476	.476	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	.577	.577	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	.476	.476	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	.476	.476	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	.432	.432	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M114	X	.432	.432	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	.567	.567	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	.567	.567	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	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	M4	X	.498	.498	0	%100
2	M4	Z	.287	.287	0	%100
3	M10	X	.131	.131	0	%100
4	M10	Z	.075	.075	0	%100
5	M43	X	.131	.131	0	%100
6	M43	Z	.075	.075	0	%100
7	M46	X	.261	.261	0	%100
8	M46	Z	.15	.15	0	%100
9	M51B	X	.108	.108	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,%]
10	M51B	Z	.063	.063	0	%100
11	M52B	X	.434	.434	0	%100
12	M52B	Z	.251	.251	0	%100
13	M76	X	.782	.782	0	%100
14	M76	Z	.451	.451	0	%100
15	M77	X	.265	.265	0	%100
16	M77	Z	.153	.153	0	%100
17	M80	X	.279	.279	0	%100
18	M80	Z	.161	.161	0	%100
19	M84	X	.782	.782	0	%100
20	M84	Z	.451	.451	0	%100
21	M85	X	1.061	1.061	0	%100
22	M85	Z	.613	.613	0	%100
23	M91	X	1.118	1.118	0	%100
24	M91	Z	.645	.645	0	%100
25	M25	X	.498	.498	0	%100
26	M25	Z	.287	.287	0	%100
27	M26	X	.131	.131	0	%100
28	M26	Z	.075	.075	0	%100
29	M27	X	.131	.131	0	%100
30	M27	Z	.075	.075	0	%100
31	M28	X	.261	.261	0	%100
32	M28	Z	.15	.15	0	%100
33	M31	X	.434	.434	0	%100
34	M31	Z	.251	.251	0	%100
35	M32	X	.108	.108	0	%100
36	M32	Z	.063	.063	0	%100
37	M36	X	.782	.782	0	%100
38	M36	Z	.451	.451	0	%100
39	M37	X	1.061	1.061	0	%100
40	M37	Z	.613	.613	0	%100
41	M39	X	1.118	1.118	0	%100
42	M39	Z	.645	.645	0	%100
43	M41	X	.782	.782	0	%100
44	M41	Z	.451	.451	0	%100
45	M42	X	.265	.265	0	%100
46	M42	Z	.153	.153	0	%100
47	M44	X	.279	.279	0	%100
48	M44	Z	.161	.161	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.522	.522	0	%100
52	M50A	Z	.302	.302	0	%100
53	M51C	X	.522	.522	0	%100
54	M51C	Z	.302	.302	0	%100
55	M52A	X	1.042	1.042	0	%100
56	M52A	Z	.602	.602	0	%100
57	M55	X	.108	.108	0	%100
58	M55	Z	.063	.063	0	%100
59	M56	X	.108	.108	0	%100
60	M56	Z	.063	.063	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.265	.265	0	%100
64	M61	Z	.153	.153	0	%100
65	M63	X	.279	.279	0	%100
66	M63	Z	.161	.161	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,%]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.265	.265	0	%100
70	M66	Z	.153	.153	0	%100
71	M68	X	.279	.279	0	%100
72	M68	Z	.161	.161	0	%100
73	M73	X	.152	.152	0	%100
74	M73	Z	.088	.088	0	%100
75	M74	X	.152	.152	0	%100
76	M74	Z	.088	.088	0	%100
77	M75	X	.608	.608	0	%100
78	M75	Z	.351	.351	0	%100
79	MP1A	X	.413	.413	0	%100
80	MP1A	Z	.238	.238	0	%100
81	MP2A	X	.499	.499	0	%100
82	MP2A	Z	.288	.288	0	%100
83	MP3A	X	.413	.413	0	%100
84	MP3A	Z	.238	.238	0	%100
85	MP4A	X	.413	.413	0	%100
86	MP4A	Z	.238	.238	0	%100
87	M85A	X	.337	.337	0	%100
88	M85A	Z	.195	.195	0	%100
89	MP1C	X	.413	.413	0	%100
90	MP1C	Z	.238	.238	0	%100
91	MP2C	X	.499	.499	0	%100
92	MP2C	Z	.288	.288	0	%100
93	MP3C	X	.413	.413	0	%100
94	MP3C	Z	.238	.238	0	%100
95	MP4C	X	.413	.413	0	%100
96	MP4C	Z	.238	.238	0	%100
97	MP1B	X	.413	.413	0	%100
98	MP1B	Z	.238	.238	0	%100
99	MP2B	X	.499	.499	0	%100
100	MP2B	Z	.288	.288	0	%100
101	MP3B	X	.413	.413	0	%100
102	MP3B	Z	.238	.238	0	%100
103	MP4B	X	.413	.413	0	%100
104	MP4B	Z	.238	.238	0	%100
105	M102	X	.499	.499	0	%100
106	M102	Z	.288	.288	0	%100
107	M108	X	.125	.125	0	%100
108	M108	Z	.072	.072	0	%100
109	M114	X	.125	.125	0	%100
110	M114	Z	.072	.072	0	%100
111	M125	X	.164	.164	0	%100
112	M125	Z	.094	.094	0	%100
113	M126	X	.654	.654	0	%100
114	M126	Z	.378	.378	0	%100
115	M127	X	.164	.164	0	%100
116	M127	Z	.094	.094	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	M4	X	.096	.096	0	%100
2	M4	Z	.166	.166	0	%100
3	M10	X	.226	.226	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,%]
4	M10	Z	.392	.392	0	%100
5	M43	X	.226	.226	0	%100
6	M43	Z	.392	.392	0	%100
7	M46	X	.451	.451	0	%100
8	M46	Z	.782	.782	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.188	.188	0	%100
12	M52B	Z	.325	.325	0	%100
13	M76	X	.15	.15	0	%100
14	M76	Z	.261	.261	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.15	.15	0	%100
20	M84	Z	.261	.261	0	%100
21	M85	X	.46	.46	0	%100
22	M85	Z	.796	.796	0	%100
23	M91	X	.484	.484	0	%100
24	M91	Z	.838	.838	0	%100
25	M25	X	.383	.383	0	%100
26	M25	Z	.664	.664	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.188	.188	0	%100
34	M31	Z	.325	.325	0	%100
35	M32	X	.188	.188	0	%100
36	M32	Z	.325	.325	0	%100
37	M36	X	.602	.602	0	%100
38	M36	Z	1.042	1.042	0	%100
39	M37	X	.46	.46	0	%100
40	M37	Z	.796	.796	0	%100
41	M39	X	.484	.484	0	%100
42	M39	Z	.838	.838	0	%100
43	M41	X	.602	.602	0	%100
44	M41	Z	1.042	1.042	0	%100
45	M42	X	.46	.46	0	%100
46	M42	Z	.796	.796	0	%100
47	M44	X	.484	.484	0	%100
48	M44	Z	.838	.838	0	%100
49	M49	X	.096	.096	0	%100
50	M49	Z	.166	.166	0	%100
51	M50A	X	.226	.226	0	%100
52	M50A	Z	.392	.392	0	%100
53	M51C	X	.226	.226	0	%100
54	M51C	Z	.392	.392	0	%100
55	M52A	X	.451	.451	0	%100
56	M52A	Z	.782	.782	0	%100
57	M55	X	.188	.188	0	%100
58	M55	Z	.325	.325	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	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,%]
61	M60	X	.15	.15	0	%100
62	M60	Z	.261	.261	0	%100
63	M61	X	.46	.46	0	%100
64	M61	Z	.796	.796	0	%100
65	M63	X	.484	.484	0	%100
66	M63	Z	.838	.838	0	%100
67	M65	X	.15	.15	0	%100
68	M65	Z	.261	.261	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	.263	.263	0	%100
74	M73	Z	.456	.456	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.263	.263	0	%100
78	M75	Z	.456	.456	0	%100
79	MP1A	X	.238	.238	0	%100
80	MP1A	Z	.413	.413	0	%100
81	MP2A	X	.288	.288	0	%100
82	MP2A	Z	.499	.499	0	%100
83	MP3A	X	.238	.238	0	%100
84	MP3A	Z	.413	.413	0	%100
85	MP4A	X	.238	.238	0	%100
86	MP4A	Z	.413	.413	0	%100
87	M85A	X	.195	.195	0	%100
88	M85A	Z	.337	.337	0	%100
89	MP1C	X	.238	.238	0	%100
90	MP1C	Z	.413	.413	0	%100
91	MP2C	X	.288	.288	0	%100
92	MP2C	Z	.499	.499	0	%100
93	MP3C	X	.238	.238	0	%100
94	MP3C	Z	.413	.413	0	%100
95	MP4C	X	.238	.238	0	%100
96	MP4C	Z	.413	.413	0	%100
97	MP1B	X	.238	.238	0	%100
98	MP1B	Z	.413	.413	0	%100
99	MP2B	X	.288	.288	0	%100
100	MP2B	Z	.499	.499	0	%100
101	MP3B	X	.238	.238	0	%100
102	MP3B	Z	.413	.413	0	%100
103	MP4B	X	.238	.238	0	%100
104	MP4B	Z	.413	.413	0	%100
105	M102	X	.216	.216	0	%100
106	M102	Z	.375	.375	0	%100
107	M108	X	.216	.216	0	%100
108	M108	Z	.375	.375	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	.283	.283	0	%100
114	M126	Z	.491	.491	0	%100
115	M127	X	.283	.283	0	%100
116	M127	Z	.491	.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.603	.603	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.603	.603	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.203	1.203	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.125	.125	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.125	.125	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.306	.306	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.323	.323	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.306	.306	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.323	.323	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.575	.575	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.151	.151	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.151	.151	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.301	.301	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.125	.125	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.501	.501	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	.902	.902	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.306	.306	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.323	.323	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	.902	.902	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.226	1.226	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.291	1.291	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.575	.575	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.151	.151	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.151	.151	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.301	.301	0	%100
57	M55	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	M55	Z	.501	.501	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.125	.125	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.902	.902	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.226	1.226	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.291	1.291	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	.902	.902	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.306	.306	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.323	.323	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.702	.702	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.175	.175	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.175	.175	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.476	.476	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.577	.577	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.476	.476	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.476	.476	0	%100
87	M85A	X	0	0	0	%100
88	M85A	Z	.39	.39	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.476	.476	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.577	.577	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.476	.476	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.476	.476	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	.476	.476	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.577	.577	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.476	.476	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.476	.476	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.144	.144	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	.577	.577	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	.144	.144	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	.189	.189	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	.189	.189	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,%]
115	M127	X	0	0	0	%100
116	M127	Z	.756	.756	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	M4	X	-.096	-.096	0	%100
2	M4	Z	.166	.166	0	%100
3	M10	X	-.226	-.226	0	%100
4	M10	Z	.392	.392	0	%100
5	M43	X	-.226	-.226	0	%100
6	M43	Z	.392	.392	0	%100
7	M46	X	-.451	-.451	0	%100
8	M46	Z	.782	.782	0	%100
9	M51B	X	-.188	-.188	0	%100
10	M51B	Z	.325	.325	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.15	-.15	0	%100
14	M76	Z	.261	.261	0	%100
15	M77	X	-.46	-.46	0	%100
16	M77	Z	.796	.796	0	%100
17	M80	X	-.484	-.484	0	%100
18	M80	Z	.838	.838	0	%100
19	M84	X	-.15	-.15	0	%100
20	M84	Z	.261	.261	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.096	-.096	0	%100
26	M25	Z	.166	.166	0	%100
27	M26	X	-.226	-.226	0	%100
28	M26	Z	.392	.392	0	%100
29	M27	X	-.226	-.226	0	%100
30	M27	Z	.392	.392	0	%100
31	M28	X	-.451	-.451	0	%100
32	M28	Z	.782	.782	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.188	-.188	0	%100
36	M32	Z	.325	.325	0	%100
37	M36	X	-.15	-.15	0	%100
38	M36	Z	.261	.261	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.15	-.15	0	%100
44	M41	Z	.261	.261	0	%100
45	M42	X	-.46	-.46	0	%100
46	M42	Z	.796	.796	0	%100
47	M44	X	-.484	-.484	0	%100
48	M44	Z	.838	.838	0	%100
49	M49	X	-.383	-.383	0	%100
50	M49	Z	.664	.664	0	%100
51	M50A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.188	-.188	0	%100
58	M55	Z	.325	.325	0	%100
59	M56	X	-.188	-.188	0	%100
60	M56	Z	.325	.325	0	%100
61	M60	X	-.602	-.602	0	%100
62	M60	Z	1.042	1.042	0	%100
63	M61	X	-.46	-.46	0	%100
64	M61	Z	.796	.796	0	%100
65	M63	X	-.484	-.484	0	%100
66	M63	Z	.838	.838	0	%100
67	M65	X	-.602	-.602	0	%100
68	M65	Z	1.042	1.042	0	%100
69	M66	X	-.46	-.46	0	%100
70	M66	Z	.796	.796	0	%100
71	M68	X	-.484	-.484	0	%100
72	M68	Z	.838	.838	0	%100
73	M73	X	-.263	-.263	0	%100
74	M73	Z	.456	.456	0	%100
75	M74	X	-.263	-.263	0	%100
76	M74	Z	.456	.456	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.238	-.238	0	%100
80	MP1A	Z	.413	.413	0	%100
81	MP2A	X	-.288	-.288	0	%100
82	MP2A	Z	.499	.499	0	%100
83	MP3A	X	-.238	-.238	0	%100
84	MP3A	Z	.413	.413	0	%100
85	MP4A	X	-.238	-.238	0	%100
86	MP4A	Z	.413	.413	0	%100
87	M85A	X	-.195	-.195	0	%100
88	M85A	Z	.337	.337	0	%100
89	MP1C	X	-.238	-.238	0	%100
90	MP1C	Z	.413	.413	0	%100
91	MP2C	X	-.288	-.288	0	%100
92	MP2C	Z	.499	.499	0	%100
93	MP3C	X	-.238	-.238	0	%100
94	MP3C	Z	.413	.413	0	%100
95	MP4C	X	-.238	-.238	0	%100
96	MP4C	Z	.413	.413	0	%100
97	MP1B	X	-.238	-.238	0	%100
98	MP1B	Z	.413	.413	0	%100
99	MP2B	X	-.288	-.288	0	%100
100	MP2B	Z	.499	.499	0	%100
101	MP3B	X	-.238	-.238	0	%100
102	MP3B	Z	.413	.413	0	%100
103	MP4B	X	-.238	-.238	0	%100
104	MP4B	Z	.413	.413	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	-.216	-.216	0	%100
108	M108	Z	.375	.375	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,%]
109	M114	X	-.216	-.216	0	%100
110	M114	Z	.375	.375	0	%100
111	M125	X	-.283	-.283	0	%100
112	M125	Z	.491	.491	0	%100
113	M126	X	0	0	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	-.283	-.283	0	%100
116	M127	Z	.491	.491	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	M4	X	-.498	-.498	0	%100
2	M4	Z	.287	.287	0	%100
3	M10	X	-.131	-.131	0	%100
4	M10	Z	.075	.075	0	%100
5	M43	X	-.131	-.131	0	%100
6	M43	Z	.075	.075	0	%100
7	M46	X	-.261	-.261	0	%100
8	M46	Z	.15	.15	0	%100
9	M51B	X	-.434	-.434	0	%100
10	M51B	Z	.251	.251	0	%100
11	M52B	X	-.108	-.108	0	%100
12	M52B	Z	.063	.063	0	%100
13	M76	X	-.782	-.782	0	%100
14	M76	Z	.451	.451	0	%100
15	M77	X	-1.061	-1.061	0	%100
16	M77	Z	.613	.613	0	%100
17	M80	X	-1.118	-1.118	0	%100
18	M80	Z	.645	.645	0	%100
19	M84	X	-.782	-.782	0	%100
20	M84	Z	.451	.451	0	%100
21	M85	X	-.265	-.265	0	%100
22	M85	Z	.153	.153	0	%100
23	M91	X	-.279	-.279	0	%100
24	M91	Z	.161	.161	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.522	-.522	0	%100
28	M26	Z	.302	.302	0	%100
29	M27	X	-.522	-.522	0	%100
30	M27	Z	.302	.302	0	%100
31	M28	X	-1.042	-1.042	0	%100
32	M28	Z	.602	.602	0	%100
33	M31	X	-.108	-.108	0	%100
34	M31	Z	.063	.063	0	%100
35	M32	X	-.108	-.108	0	%100
36	M32	Z	.063	.063	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.265	-.265	0	%100
40	M37	Z	.153	.153	0	%100
41	M39	X	-.279	-.279	0	%100
42	M39	Z	.161	.161	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.265	-.265	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,%]
46	M42	Z	.153	.153	0	%100
47	M44	X	-.279	-.279	0	%100
48	M44	Z	.161	.161	0	%100
49	M49	X	-.498	-.498	0	%100
50	M49	Z	.287	.287	0	%100
51	M50A	X	-.131	-.131	0	%100
52	M50A	Z	.075	.075	0	%100
53	M51C	X	-.131	-.131	0	%100
54	M51C	Z	.075	.075	0	%100
55	M52A	X	-.261	-.261	0	%100
56	M52A	Z	.15	.15	0	%100
57	M55	X	-.108	-.108	0	%100
58	M55	Z	.063	.063	0	%100
59	M56	X	-.434	-.434	0	%100
60	M56	Z	.251	.251	0	%100
61	M60	X	-.782	-.782	0	%100
62	M60	Z	.451	.451	0	%100
63	M61	X	-.265	-.265	0	%100
64	M61	Z	.153	.153	0	%100
65	M63	X	-.279	-.279	0	%100
66	M63	Z	.161	.161	0	%100
67	M65	X	-.782	-.782	0	%100
68	M65	Z	.451	.451	0	%100
69	M66	X	-1.061	-1.061	0	%100
70	M66	Z	.613	.613	0	%100
71	M68	X	-1.118	-1.118	0	%100
72	M68	Z	.645	.645	0	%100
73	M73	X	-.152	-.152	0	%100
74	M73	Z	.088	.088	0	%100
75	M74	X	-.608	-.608	0	%100
76	M74	Z	.351	.351	0	%100
77	M75	X	-.152	-.152	0	%100
78	M75	Z	.088	.088	0	%100
79	MP1A	X	-.413	-.413	0	%100
80	MP1A	Z	.238	.238	0	%100
81	MP2A	X	-.499	-.499	0	%100
82	MP2A	Z	.288	.288	0	%100
83	MP3A	X	-.413	-.413	0	%100
84	MP3A	Z	.238	.238	0	%100
85	MP4A	X	-.413	-.413	0	%100
86	MP4A	Z	.238	.238	0	%100
87	M85A	X	-.337	-.337	0	%100
88	M85A	Z	.195	.195	0	%100
89	MP1C	X	-.413	-.413	0	%100
90	MP1C	Z	.238	.238	0	%100
91	MP2C	X	-.499	-.499	0	%100
92	MP2C	Z	.288	.288	0	%100
93	MP3C	X	-.413	-.413	0	%100
94	MP3C	Z	.238	.238	0	%100
95	MP4C	X	-.413	-.413	0	%100
96	MP4C	Z	.238	.238	0	%100
97	MP1B	X	-.413	-.413	0	%100
98	MP1B	Z	.238	.238	0	%100
99	MP2B	X	-.499	-.499	0	%100
100	MP2B	Z	.288	.288	0	%100
101	MP3B	X	-.413	-.413	0	%100
102	MP3B	Z	.238	.238	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,%]
103	MP4B	X	-.413	-.413	0	%100
104	MP4B	Z	.238	.238	0	%100
105	M102	X	-.125	-.125	0	%100
106	M102	Z	.072	.072	0	%100
107	M108	X	-.125	-.125	0	%100
108	M108	Z	.072	.072	0	%100
109	M114	X	-.499	-.499	0	%100
110	M114	Z	.288	.288	0	%100
111	M125	X	-.654	-.654	0	%100
112	M125	Z	.378	.378	0	%100
113	M126	X	-.164	-.164	0	%100
114	M126	Z	.094	.094	0	%100
115	M127	X	-.164	-.164	0	%100
116	M127	Z	.094	.094	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	M4	X	-.767	-.767	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.376	-.376	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.376	-.376	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.203	-1.203	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-.919	-.919	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-.968	-.968	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.203	-1.203	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-.919	-.919	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-.968	-.968	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.192	-.192	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.452	-.452	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.452	-.452	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.902	-.902	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.376	-.376	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.301	-.301	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.919	-.919	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,%]
40	M37	Z	0	0	0	%100
41	M39	X	-.968	-.968	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.301	-.301	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.192	-.192	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.452	-.452	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.452	-.452	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-.902	-.902	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.376	-.376	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.301	-.301	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.301	-.301	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.919	-.919	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-.968	-.968	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.526	-.526	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.526	-.526	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.476	-.476	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.577	-.577	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.476	-.476	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.476	-.476	0	%100
86	MP4A	Z	0	0	0	%100
87	M85A	X	-.39	-.39	0	%100
88	M85A	Z	0	0	0	%100
89	MP1C	X	-.476	-.476	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-.577	-.577	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-.476	-.476	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-.476	-.476	0	%100
96	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,%]
97	MP1B	X	-.476	-.476	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-.577	-.577	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-.476	-.476	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-.476	-.476	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	-.432	-.432	0	%100
106	M102	Z	0	0	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M114	X	-.432	-.432	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	-.567	-.567	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-.567	-.567	0	%100
114	M126	Z	0	0	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.498	-.498	0	%100
2	M4	Z	-.287	-.287	0	%100
3	M10	X	-.131	-.131	0	%100
4	M10	Z	-.075	-.075	0	%100
5	M43	X	-.131	-.131	0	%100
6	M43	Z	-.075	-.075	0	%100
7	M46	X	-.261	-.261	0	%100
8	M46	Z	-.15	-.15	0	%100
9	M51B	X	-.108	-.108	0	%100
10	M51B	Z	-.063	-.063	0	%100
11	M52B	X	-.434	-.434	0	%100
12	M52B	Z	-.251	-.251	0	%100
13	M76	X	-.782	-.782	0	%100
14	M76	Z	-.451	-.451	0	%100
15	M77	X	-.265	-.265	0	%100
16	M77	Z	-.153	-.153	0	%100
17	M80	X	-.279	-.279	0	%100
18	M80	Z	-.161	-.161	0	%100
19	M84	X	-.782	-.782	0	%100
20	M84	Z	-.451	-.451	0	%100
21	M85	X	-1.061	-1.061	0	%100
22	M85	Z	-.613	-.613	0	%100
23	M91	X	-1.118	-1.118	0	%100
24	M91	Z	-.645	-.645	0	%100
25	M25	X	-.498	-.498	0	%100
26	M25	Z	-.287	-.287	0	%100
27	M26	X	-.131	-.131	0	%100
28	M26	Z	-.075	-.075	0	%100
29	M27	X	-.131	-.131	0	%100
30	M27	Z	-.075	-.075	0	%100
31	M28	X	-.261	-.261	0	%100
32	M28	Z	-.15	-.15	0	%100
33	M31	X	-.434	-.434	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,%]
34	M31	Z	-.251	-.251	0	%100
35	M32	X	-.108	-.108	0	%100
36	M32	Z	-.063	-.063	0	%100
37	M36	X	-.782	-.782	0	%100
38	M36	Z	-.451	-.451	0	%100
39	M37	X	-1.061	-1.061	0	%100
40	M37	Z	-.613	-.613	0	%100
41	M39	X	-1.118	-1.118	0	%100
42	M39	Z	-.645	-.645	0	%100
43	M41	X	-.782	-.782	0	%100
44	M41	Z	-.451	-.451	0	%100
45	M42	X	-.265	-.265	0	%100
46	M42	Z	-.153	-.153	0	%100
47	M44	X	-.279	-.279	0	%100
48	M44	Z	-.161	-.161	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.522	-.522	0	%100
52	M50A	Z	-.302	-.302	0	%100
53	M51C	X	-.522	-.522	0	%100
54	M51C	Z	-.302	-.302	0	%100
55	M52A	X	-1.042	-1.042	0	%100
56	M52A	Z	-.602	-.602	0	%100
57	M55	X	-.108	-.108	0	%100
58	M55	Z	-.063	-.063	0	%100
59	M56	X	-.108	-.108	0	%100
60	M56	Z	-.063	-.063	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.265	-.265	0	%100
64	M61	Z	-.153	-.153	0	%100
65	M63	X	-.279	-.279	0	%100
66	M63	Z	-.161	-.161	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.265	-.265	0	%100
70	M66	Z	-.153	-.153	0	%100
71	M68	X	-.279	-.279	0	%100
72	M68	Z	-.161	-.161	0	%100
73	M73	X	-.152	-.152	0	%100
74	M73	Z	-.088	-.088	0	%100
75	M74	X	-.152	-.152	0	%100
76	M74	Z	-.088	-.088	0	%100
77	M75	X	-.608	-.608	0	%100
78	M75	Z	-.351	-.351	0	%100
79	MP1A	X	-.413	-.413	0	%100
80	MP1A	Z	-.238	-.238	0	%100
81	MP2A	X	-.499	-.499	0	%100
82	MP2A	Z	-.288	-.288	0	%100
83	MP3A	X	-.413	-.413	0	%100
84	MP3A	Z	-.238	-.238	0	%100
85	MP4A	X	-.413	-.413	0	%100
86	MP4A	Z	-.238	-.238	0	%100
87	M85A	X	-.337	-.337	0	%100
88	M85A	Z	-.195	-.195	0	%100
89	MP1C	X	-.413	-.413	0	%100
90	MP1C	Z	-.238	-.238	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,%]
91	MP2C	X	-.499	-.499	0	%100
92	MP2C	Z	-.288	-.288	0	%100
93	MP3C	X	-.413	-.413	0	%100
94	MP3C	Z	-.238	-.238	0	%100
95	MP4C	X	-.413	-.413	0	%100
96	MP4C	Z	-.238	-.238	0	%100
97	MP1B	X	-.413	-.413	0	%100
98	MP1B	Z	-.238	-.238	0	%100
99	MP2B	X	-.499	-.499	0	%100
100	MP2B	Z	-.288	-.288	0	%100
101	MP3B	X	-.413	-.413	0	%100
102	MP3B	Z	-.238	-.238	0	%100
103	MP4B	X	-.413	-.413	0	%100
104	MP4B	Z	-.238	-.238	0	%100
105	M102	X	-.499	-.499	0	%100
106	M102	Z	-.288	-.288	0	%100
107	M108	X	-.125	-.125	0	%100
108	M108	Z	-.072	-.072	0	%100
109	M114	X	-.125	-.125	0	%100
110	M114	Z	-.072	-.072	0	%100
111	M125	X	-.164	-.164	0	%100
112	M125	Z	-.094	-.094	0	%100
113	M126	X	-.654	-.654	0	%100
114	M126	Z	-.378	-.378	0	%100
115	M127	X	-.164	-.164	0	%100
116	M127	Z	-.094	-.094	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	M4	X	-.096	-.096	0	%100
2	M4	Z	-.166	-.166	0	%100
3	M10	X	-.226	-.226	0	%100
4	M10	Z	-.392	-.392	0	%100
5	M43	X	-.226	-.226	0	%100
6	M43	Z	-.392	-.392	0	%100
7	M46	X	-.451	-.451	0	%100
8	M46	Z	-.782	-.782	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.188	-.188	0	%100
12	M52B	Z	-.325	-.325	0	%100
13	M76	X	-.15	-.15	0	%100
14	M76	Z	-.261	-.261	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.15	-.15	0	%100
20	M84	Z	-.261	-.261	0	%100
21	M85	X	-.46	-.46	0	%100
22	M85	Z	-.796	-.796	0	%100
23	M91	X	-.484	-.484	0	%100
24	M91	Z	-.838	-.838	0	%100
25	M25	X	-.383	-.383	0	%100
26	M25	Z	-.664	-.664	0	%100
27	M26	X	0	0	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,%]
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.188	-.188	0	%100
34	M31	Z	-.325	-.325	0	%100
35	M32	X	-.188	-.188	0	%100
36	M32	Z	-.325	-.325	0	%100
37	M36	X	-.602	-.602	0	%100
38	M36	Z	-1.042	-1.042	0	%100
39	M37	X	-.46	-.46	0	%100
40	M37	Z	-.796	-.796	0	%100
41	M39	X	-.484	-.484	0	%100
42	M39	Z	-.838	-.838	0	%100
43	M41	X	-.602	-.602	0	%100
44	M41	Z	-1.042	-1.042	0	%100
45	M42	X	-.46	-.46	0	%100
46	M42	Z	-.796	-.796	0	%100
47	M44	X	-.484	-.484	0	%100
48	M44	Z	-.838	-.838	0	%100
49	M49	X	-.096	-.096	0	%100
50	M49	Z	-.166	-.166	0	%100
51	M50A	X	-.226	-.226	0	%100
52	M50A	Z	-.392	-.392	0	%100
53	M51C	X	-.226	-.226	0	%100
54	M51C	Z	-.392	-.392	0	%100
55	M52A	X	-.451	-.451	0	%100
56	M52A	Z	-.782	-.782	0	%100
57	M55	X	-.188	-.188	0	%100
58	M55	Z	-.325	-.325	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.15	-.15	0	%100
62	M60	Z	-.261	-.261	0	%100
63	M61	X	-.46	-.46	0	%100
64	M61	Z	-.796	-.796	0	%100
65	M63	X	-.484	-.484	0	%100
66	M63	Z	-.838	-.838	0	%100
67	M65	X	-.15	-.15	0	%100
68	M65	Z	-.261	-.261	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.263	-.263	0	%100
74	M73	Z	-.456	-.456	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.263	-.263	0	%100
78	M75	Z	-.456	-.456	0	%100
79	MP1A	X	-.238	-.238	0	%100
80	MP1A	Z	-.413	-.413	0	%100
81	MP2A	X	-.288	-.288	0	%100
82	MP2A	Z	-.499	-.499	0	%100
83	MP3A	X	-.238	-.238	0	%100
84	MP3A	Z	-.413	-.413	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,%]
85	MP4A	X	-.238	-.238	0	%100
86	MP4A	Z	-.413	-.413	0	%100
87	M85A	X	-.195	-.195	0	%100
88	M85A	Z	-.337	-.337	0	%100
89	MP1C	X	-.238	-.238	0	%100
90	MP1C	Z	-.413	-.413	0	%100
91	MP2C	X	-.288	-.288	0	%100
92	MP2C	Z	-.499	-.499	0	%100
93	MP3C	X	-.238	-.238	0	%100
94	MP3C	Z	-.413	-.413	0	%100
95	MP4C	X	-.238	-.238	0	%100
96	MP4C	Z	-.413	-.413	0	%100
97	MP1B	X	-.238	-.238	0	%100
98	MP1B	Z	-.413	-.413	0	%100
99	MP2B	X	-.288	-.288	0	%100
100	MP2B	Z	-.499	-.499	0	%100
101	MP3B	X	-.238	-.238	0	%100
102	MP3B	Z	-.413	-.413	0	%100
103	MP4B	X	-.238	-.238	0	%100
104	MP4B	Z	-.413	-.413	0	%100
105	M102	X	-.216	-.216	0	%100
106	M102	Z	-.375	-.375	0	%100
107	M108	X	-.216	-.216	0	%100
108	M108	Z	-.375	-.375	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	M125	X	0	0	0	%100
112	M125	Z	0	0	0	%100
113	M126	X	-.283	-.283	0	%100
114	M126	Z	-.491	-.491	0	%100
115	M127	X	-.283	-.283	0	%100
116	M127	Z	-.491	-.491	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-3.463	-6.544	0	.832
2	M51B	Y	-6.544	-8.189	.832	1.665
3	M51B	Y	-8.189	-6.901	1.665	2.497
4	M51B	Y	-6.901	-4.226	2.497	3.329
5	M51B	Y	-4.226	-1.665	3.329	4.162
6	M52B	Y	-1.881	-4.429	0	.832
7	M52B	Y	-4.429	-7.041	.832	1.665
8	M52B	Y	-7.041	-8.256	1.665	2.497
9	M52B	Y	-8.256	-6.578	2.497	3.329
10	M52B	Y	-6.578	-3.469	3.329	4.162
11	M31	Y	-3.463	-6.544	0	.832
12	M31	Y	-6.544	-8.189	.832	1.665
13	M31	Y	-8.189	-6.901	1.665	2.497
14	M31	Y	-6.901	-4.226	2.497	3.329
15	M31	Y	-4.226	-1.665	3.329	4.162
16	M32	Y	-1.881	-4.429	0	.832
17	M32	Y	-4.429	-7.041	.832	1.665
18	M32	Y	-7.041	-8.256	1.665	2.497
19	M32	Y	-8.256	-6.578	2.497	3.329
20	M32	Y	-6.578	-3.469	3.329	4.162
21	M55	Y	-3.462	-6.573	0	.832

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M55	Y	-6.573	-8.26	.832	1.665
23	M55	Y	-8.26	-7.044	1.665	2.497
24	M55	Y	-7.044	-4.426	2.497	3.329
25	M55	Y	-4.426	-1.884	3.329	4.162
26	M56	Y	-1.661	-4.228	0	.832
27	M56	Y	-4.228	-6.902	.832	1.665
28	M56	Y	-6.902	-8.189	1.665	2.497
29	M56	Y	-8.189	-6.545	2.497	3.329
30	M56	Y	-6.545	-3.463	3.329	4.162

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M51B	Y	-6.661	-12.586	0	.832
2	M51B	Y	-12.586	-15.752	.832	1.665
3	M51B	Y	-15.752	-13.273	1.665	2.497
4	M51B	Y	-13.273	-8.129	2.497	3.329
5	M51B	Y	-8.129	-3.203	3.329	4.162
6	M52B	Y	-3.618	-8.52	0	.832
7	M52B	Y	-8.52	-13.544	.832	1.665
8	M52B	Y	-13.544	-15.879	1.665	2.497
9	M52B	Y	-15.879	-12.652	2.497	3.329
10	M52B	Y	-12.652	-6.673	3.329	4.162
11	M31	Y	-6.661	-12.586	0	.832
12	M31	Y	-12.586	-15.752	.832	1.665
13	M31	Y	-15.752	-13.273	1.665	2.497
14	M31	Y	-13.273	-8.129	2.497	3.329
15	M31	Y	-8.129	-3.203	3.329	4.162
16	M32	Y	-3.618	-8.52	0	.832
17	M32	Y	-8.52	-13.544	.832	1.665
18	M32	Y	-13.544	-15.879	1.665	2.497
19	M32	Y	-15.879	-12.652	2.497	3.329
20	M32	Y	-12.652	-6.673	3.329	4.162
21	M55	Y	-6.658	-12.643	0	.832
22	M55	Y	-12.643	-15.889	.832	1.665
23	M55	Y	-15.889	-13.55	1.665	2.497
24	M55	Y	-13.55	-8.513	2.497	3.329
25	M55	Y	-8.513	-3.625	3.329	4.162
26	M56	Y	-3.196	-8.133	0	.832
27	M56	Y	-8.133	-13.275	.832	1.665
28	M56	Y	-13.275	-15.75	1.665	2.497
29	M56	Y	-15.75	-12.588	2.497	3.329
30	M56	Y	-12.588	-6.661	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.01
2	N55	N57	N33	N32	Y	Two Way	-.01
3	N84	N86	N62	N61	Y	Two Way	-.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	N3	max	902.492	10	2330.02	13	1824.239	1	6.231	13	1.698	4	-.046	3
2		min	-911.962	4	599.576	7	-1897.345	7	.935	7	-1.71	10	-.251	45
3	N30A	max	1689.999	9	2480.812	21	1243.928	1	-.563	3	1.811	12	-.71	3
4		min	-1748.799	3	652.925	3	-1199.339	7	-3.649	45	-1.823	6	-5.476	21
5	N59	max	1627.045	11	2327.489	17	1133.513	1	-.34	11	1.689	8	5.468	17
6		min	-1559.125	5	598.369	11	-1104.993	7	-2.981	17	-1.702	2	.88	11
7	Totals:	max	4187.716	10	6912.543	17	4201.68	1						
8		min	-4187.718	4	3301.456	11	-4201.678	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	M4	HSS4X4X4	.387	0	23	.073	0	y	24	116507...	1395..	16.181	16.181	...	H1-...
2	M10	HSS4X4X4	.184	2.375	14	.043	2....	y	24	136263...	1395..	16.181	16.181	...	H1-...
3	M43	HSS4X4X4	.190	0	14	.054	0	y	13	136263...	1395..	16.181	16.181	...	H1-...
4	M46	PL1/2x6	.144	.516	7	.080	1....	y	3	66009....	97200	1.012	12.15	...	H1-...
5	M51B	L2x1.5x3	.214	2.428	2	.016	0	z	17	5831.8...	2012..	.346	.863	...	H2-1
6	M52B	L2x1.5x3	.211	2.428	12	.016	4....	z	21	5831.8...	2012..	.346	.891	...	H2-1
7	M76	PL3/8x6	.254	0	10	.514	0	y	17	70647....	72900	.57	9.113	...	H1-...
8	M77	PL3/8x6	.212	.167	8	.389	0	y	13	71583....	72900	.57	9.113	...	H1-...
9	M80	PL1/2x6	.053	.112	1	.076	.112	y	4	96757....	97200	1.012	12.15	...	H1-...
10	M84	PL3/8x6	.243	0	4	.389	0	y	22	70647....	72900	.57	9.113	...	H1-...
11	M85	PL3/8x6	.211	.167	6	.413	0	y	24	71583....	72900	.57	9.113	...	H1-...
12	M91	PL1/2x6	.052	.112	1	.064	.112	y	10	96757....	97200	1.012	12.15	...	H1-...
13	M25	HSS4X4X4	.397	0	43	.092	0	y	43	116507...	1395..	16.181	16.181	...	H1-...
14	M26	HSS4X4X4	.184	2.375	22	.042	2....	y	20	136263...	1395..	16.181	16.181	...	H1-...
15	M27	HSS4X4X4	.190	0	22	.054	0	y	21	136263...	1395..	16.181	16.181	...	H1-...
16	M28	PL1/2x6	.143	.516	3	.114	1....	y	47	66009....	97200	1.012	12.15	...	H1-...
17	M31	L2x1.5x3	.214	2.428	10	.016	0	z	13	5831.8...	2012..	.346	.863	...	H2-1
18	M32	L2x1.5x3	.211	2.428	8	.016	4....	z	17	5831.8...	2012..	.346	.891	...	H2-1
19	M36	PL3/8x6	.254	0	6	.513	0	y	13	70647....	72900	.57	9.113	...	H1-...
20	M37	PL3/8x6	.212	.167	4	.388	0	y	21	71583....	72900	.57	9.113	...	H1-...
21	M39	PL1/2x6	.053	.112	9	.098	.112	y	48	96757....	97200	1.012	12.15	...	H1-...
22	M41	PL3/8x6	.242	0	12	.389	0	y	18	70647....	72900	.57	9.113	...	H1-...
23	M42	PL3/8x6	.211	.167	2	.413	0	y	20	71583....	72900	.57	9.113	...	H1-...
24	M44	PL1/2x6	.052	.112	9	.089	0	y	48	96757....	97200	1.012	12.15	...	H1-...
25	M49	HSS4X4X4	.386	0	15	.076	0	y	29	116507...	1395..	16.181	16.181	...	H1-...
26	M50A	HSS4X4X4	.184	2.375	18	.043	2....	y	16	136263...	1395..	16.181	16.181	...	H1-...
27	M51C	HSS4X4X4	.190	0	18	.054	0	y	17	136263...	1395..	16.181	16.181	...	H1-...
28	M52A	PL1/2x6	.143	.516	11	.080	1....	y	7	66009....	97200	1.012	12.15	...	H1-...
29	M55	L2x1.5x3	.215	2.428	6	.016	0	z	21	5831.8...	2012..	.346	.864	...	H2-1
30	M56	L2x1.5x3	.210	2.428	4	.016	4....	z	13	5831.8...	2012..	.346	.891	...	H2-1
31	M60	PL3/8x6	.253	0	2	.514	0	y	21	70647....	72900	.57	9.113	...	H1-...
32	M61	PL3/8x6	.212	.167	12	.388	0	y	17	71583....	72900	.57	9.113	...	H1-...
33	M63	PL1/2x6	.053	.112	5	.076	.112	y	8	96757....	97200	1.012	12.15	...	H1-...
34	M65	PL3/8x6	.242	0	8	.388	0	y	14	70647....	72900	.57	9.113	...	H1-...
35	M66	PL3/8x6	.210	.167	10	.412	0	y	16	71583....	72900	.57	9.113	...	H1-...
36	M68	PL1/2x6	.052	.112	5	.064	.112	y	2	96757....	97200	1.012	12.15	...	H1-...
37	M73	PIPE_3.0	.203	9.94	18	.081	9.94		6	21388....	65205	5.749	5.749	...	H1-...
38	M74	PIPE_3.0	.202	9.94	14	.081	9.94		2	21388....	65205	5.749	5.749	...	H1-...
39	M75	PIPE_3.0	.202	9.94	22	.081	9.94		10	21388....	65205	5.749	5.749	...	H1-...
40	MP1A	PIPE_2.0	.338	3.792	9	.099	.869		7	16123....	32130	1.872	1.872	...	H1-...
41	MP2A	PIPE_2.5	.226	4.333	10	.068	4....		10	30038....	50715	3.596	3.596	...	H1-...
42	MP3A	PIPE_2.0	.285	3.792	5	.095	3....		7	16123....	32130	1.872	1.872	...	H1-...
43	MP4A	PIPE_2.0	.231	3.792	5	.095	.869		7	16123....	32130	1.872	1.872	...	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
44	M85A	PIPE_2.0	.073	2.5	6	.014	2.5		6	28843....	32130	1.872	1.872	...	H1-...
45	MP1C	PIPE_2.0	.337	3.792	5	.099	.869		3	16123....	32130	1.872	1.872	...	H1-...
46	MP2C	PIPE_2.5	.225	4.333	6	.068	4....		6	30038....	50715	3.596	3.596	...	H1-...
47	MP3C	PIPE_2.0	.286	3.792	1	.095	3....		3	16123....	32130	1.872	1.872	...	H1-...
48	MP4C	PIPE_2.0	.232	3.792	1	.095	.869		3	16123....	32130	1.872	1.872	...	H1-...
49	MP1B	PIPE_2.0	.335	3.792	1	.098	.869		11	16123....	32130	1.872	1.872	...	H1-...
50	MP2B	PIPE_2.5	.225	4.333	2	.068	4....		2	30038....	50715	3.596	3.596	...	H1-...
51	MP3B	PIPE_2.0	.287	3.792	9	.095	3....		11	16123....	32130	1.872	1.872	...	H1-...
52	MP4B	PIPE_2.0	.233	3.792	9	.096	.869		10	16123....	32130	1.872	1.872	...	H1-...
53	M102	PIPE_2.5	.167	7.832	12	.073	2....		11	10882....	50715	3.596	3.596	...	H1-...
54	M108	PIPE_2.5	.168	7.832	8	.073	2....		7	10882....	50715	3.596	3.596	...	H1-...
55	M114	PIPE_2.5	.168	7.832	4	.073	2....		3	10882....	50715	3.596	3.596	...	H1-...
56	M125	L3X3X4	.252	0	7	.022	0	z	12	40381....	46656	1.688	3.756	...	H2-1
57	M126	L3X3X4	.252	0	3	.022	1....	z	8	40381....	46656	1.688	3.756	...	H2-1
58	M127	L3X3X4	.252	0	11	.022	0	z	4	40381....	46656	1.688	3.756	...	H2-1

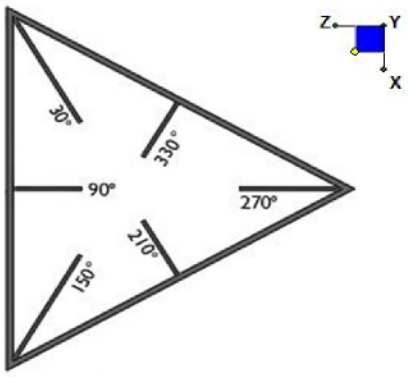
Client:	Verizon Wireless	Date:	7/6/2021
Site Name:	Norfolk West CT		
Project No.	21777242A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

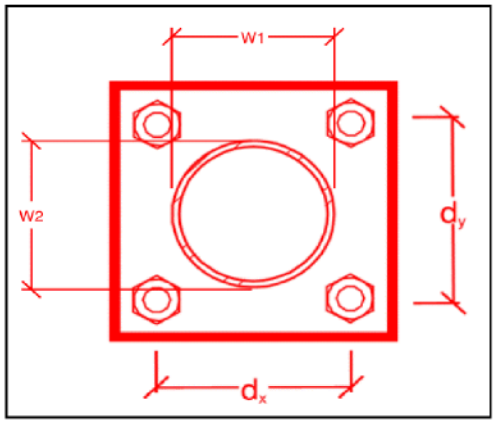
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N30A	30
N3	270
N59	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	22.1
Required Shear Strength (kips):	3.9
Tensile Strength / bolt (kips):	13.3
Shear Strength / bolt (kips):	8.0
Tensile Capacity Overall:	**41.7%***
Shear Capacity Overall:	**12.1%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	3.62
Plate Bending Capacity:	**52.5%**
Weld Capacity:	**52.1%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	16.6
$Phi*Mn_{xx}$ *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.0
$Phi*Mn_{yy}$ *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing 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 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 modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - 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
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included
in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

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 Mod Drawings:

Issue:

Install new 36" long P2.0 STD pipe on the existing standoff horizontal member between Alpha & Beta sector for new OVP - connect to standoff using a crossover plate (Site Pro 1 Part #: SQCX4-K or EOR approved equivalent) 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: 467610-VZW - NORFOLK WEST CT

Sector: **A**

Structure Type: Monopole

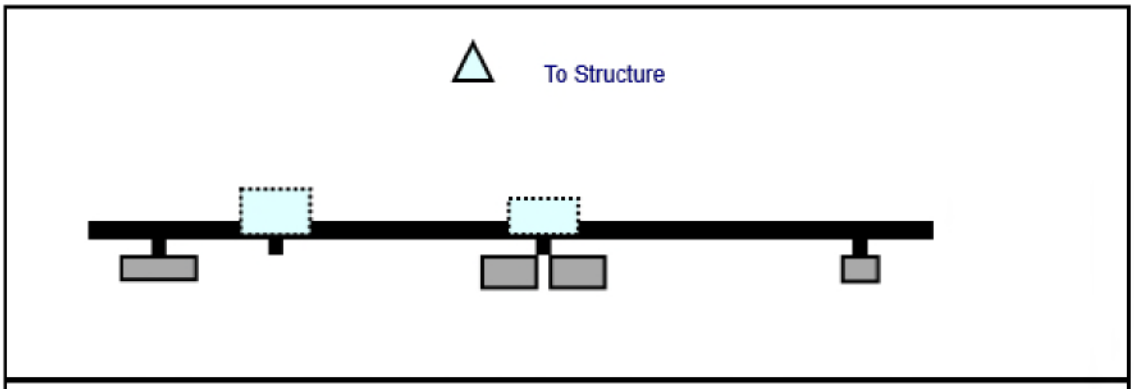
Mount Elev: 126.00

10082380

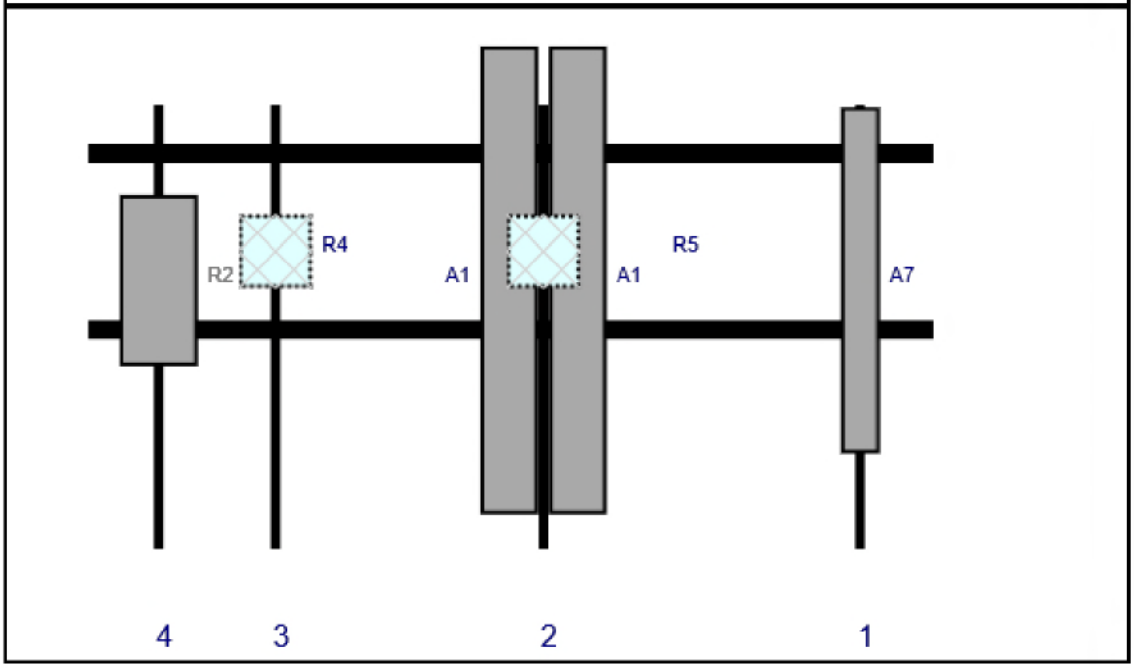
7/6/2021

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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

Sector: **B**

Structure Type: Monopole

Mount Elev: 126.00

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7/6/2021

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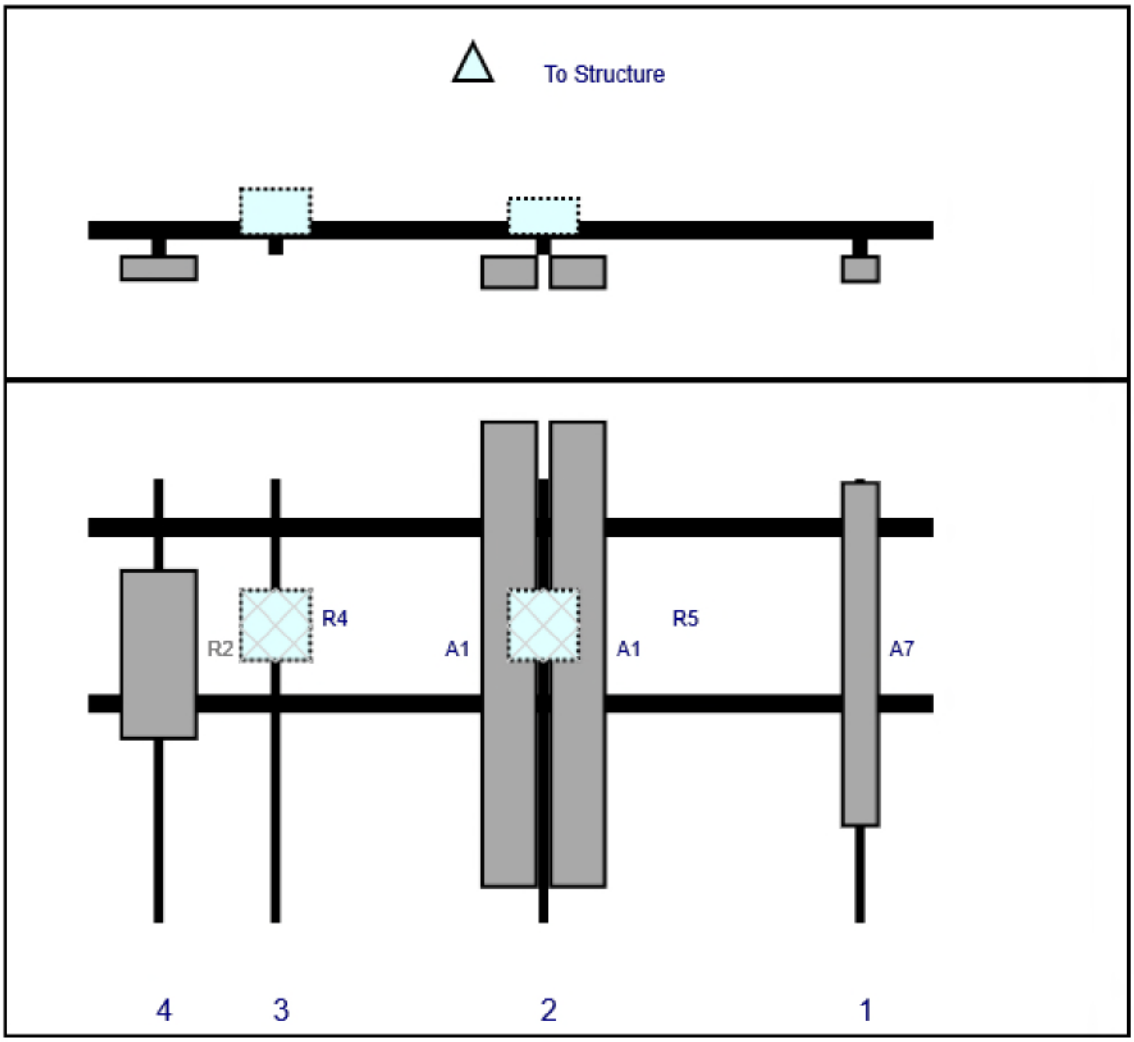
Plan View

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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

Sector: **C**

Structure Type: Monopole

Mount Elev: 126.00

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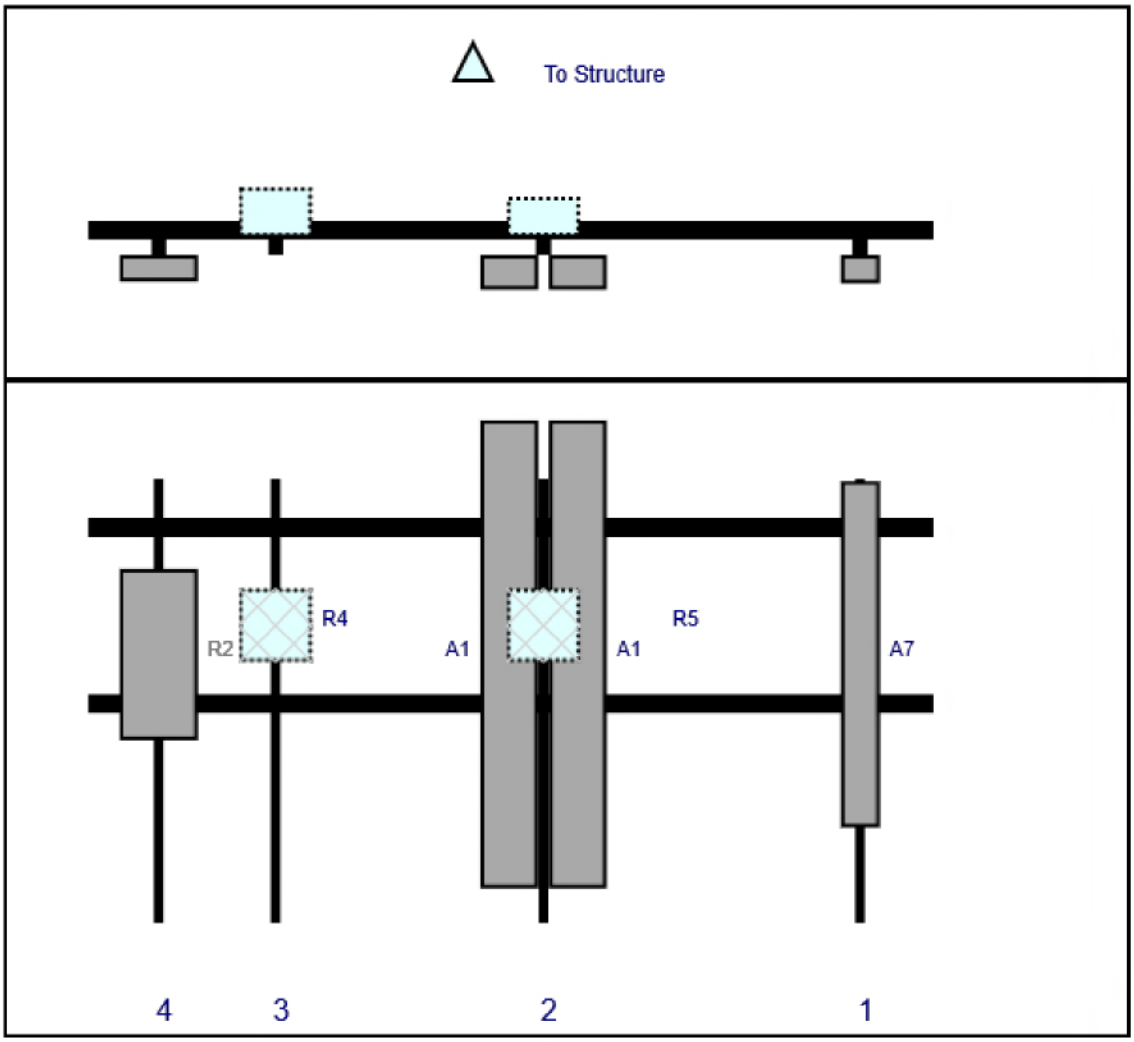
7/6/2021

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
A7	BXA-70080-6CF-EDIN-0	71	8	158.5	1	a	Front	36	0	Retained	03/31/2021
A1	NHH-65C-R2B	96	11.9	93.5	2	a	Front	36	7	Added	
A1	NHH-65C-R2B	96	11.9	93.5	2	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	93.5	2	a	Behind	30	0	Added	
R4	B2/B66A RRH-BR049	15	15	38.5	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	14.5	4	a	Front	36	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	467610-VZW / NORFOLK WEST CT
	Site Name:	NORFOLK WEST CT
	Carrier Name:	Verizon Wireless
	Address:	10 Ashpohtag Road Norfolk, Connecticut 06058 Litchfield County
	Latitude:	42.002697°
	Longitude:	-73.221417°
Structure Information	Tower Type:	Monopole
	Mount Type:	14.46-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. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

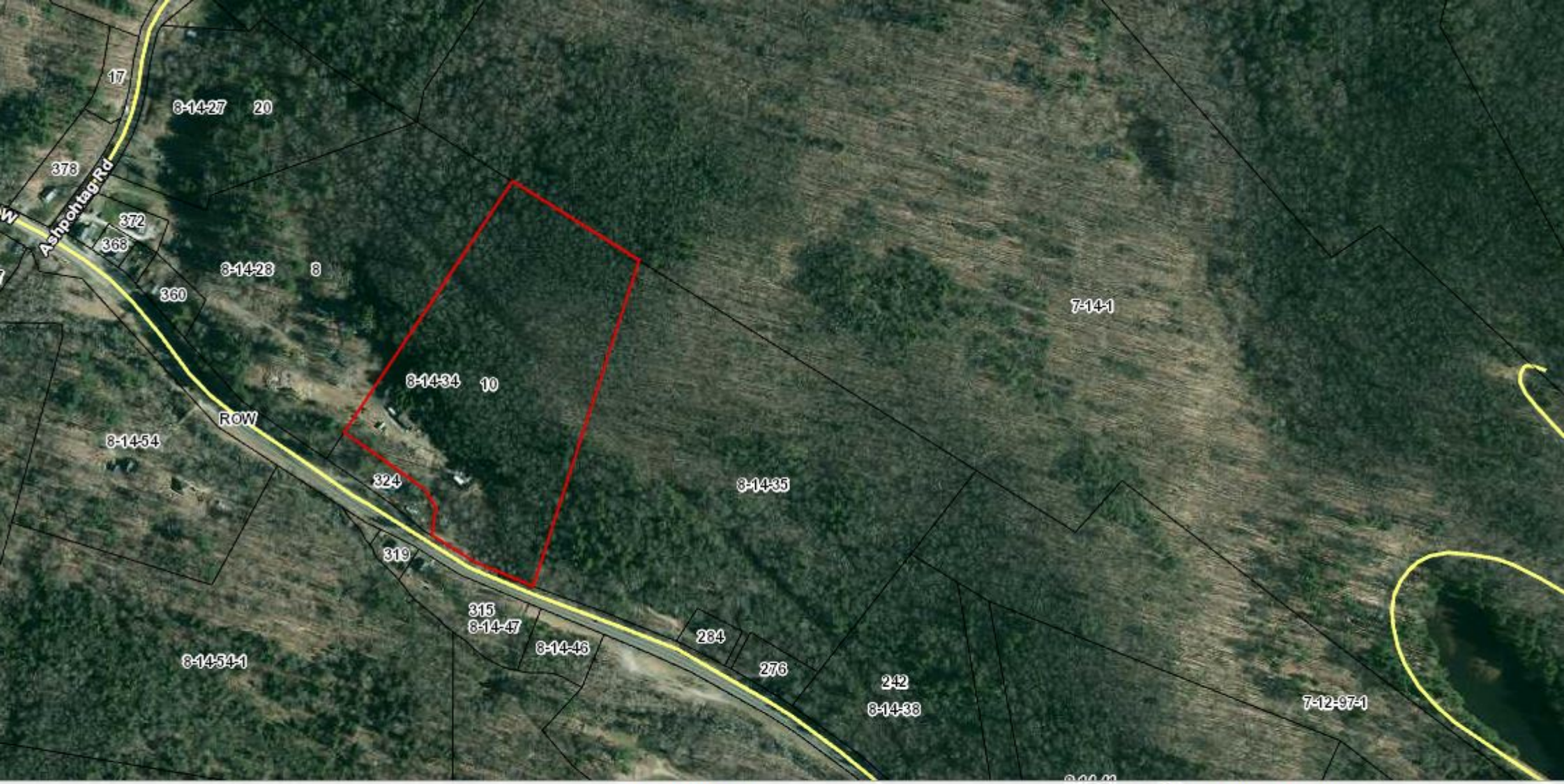
As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps 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 methods, seismic analysis, 30-degree increment wind directions 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,

Derek Hartzell, PE
Technical Specialist

ATTACHMENT 5



Alternate ID 000171
Class R
Acreage 13.01

Owner Address GUNDLACH KEVIN C
10 ASHPOHTAG RD
NORFOLK CT 06058

3A
n/a
(Note: Not to be used on legal documents)

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- Sales Results
- Field Definitions

Print
Email Link

Summary

Property Photo

Account Number	000171
Parcel ID	1140
Property Address	10 ASHPOHTAG RD
Use Class/Description	1-1 RESIDENTIAL LOT
Map/Block/Block Cut	8-14/34//
Zoning	RU
Acres	13.01

View Map

Owner

GUNDLACH KEVIN C
10 ASHPOHTAG RD
NORFOLK, CT 06058

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

Norfolk West

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 09/16/2021 US POSTAGE $002.99 ZIP 06103 041L12203987
	Postmaster, per *(name of receiving employee)* V.P		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Matthew T. Riiska, First Selectman Town of Norfolk 19 Maple Avenue Norfolk, CT 06058				
2.	Michael Halloran, Zoning Enforcement Officer Town of Norfolk 19 Maple Avenue Norfolk, CT 06058				
3.	Kevin C. Gundlach 10 Ashpohtag Road Norfolk, CT 06058		SEP 16 2021		
4.					
5.					
6.					