Robinson+Cole

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Also admitted in Massachusetts
and New York

August 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**
599 Greenwood Road East, 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 and Cellco's use of the tower were approved by the Siting Council in March of 2007 (Docket No. 320). A copy of Siting Council's Docket No. 320 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by removing twelve (12) existing antennas and installing three (3) Samsung MT6407-77A antennas; and six (6) NHH-85B-R2B antennas. Cellco will also remove three (3) existing remote radio heads ("RRHs") and install six (6) new RRHs all on Cellco's existing antenna mounting system. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs 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. Please note, the Property is owned by the Town of Norfolk.

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

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

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

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

4. The installation of Cellco's new antennas and RRHs 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 mounts 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, Norfolk First Selectman
Michael Halloran, Norfolk Zoning Enforcement Officer
Karla Hanna

ATTACHMENT 1

DOCKET NO. 320 - Message Center Management, Inc. and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located off Greenwoods Road East (U.S. Route 44), Norfolk, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		March 13, 2007

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 Message Center Management, Inc., hereinafter referred to as the Certificate Holder, for a telecommunications facility at the Town of Norfolk Town Farm parcel located off Greenwoods Road East (Route 44), 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 constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular Wireless PCS, LLC, Cellco Partnership d/b/a Verizon Wireless and other entities, both public and private, but such tower shall not exceed a height of 180 feet above ground level. Antennas mounted on the tower shall not exceed a height of 183 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Norfolk for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment 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. 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.

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Norfolk public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Norfolk. Any proposed modifications to this Decision and Order shall likewise be so served.

9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

10. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Hartford Courant, 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:

Certificate Holder Message Center Management, Inc.	**Its Representative** Christopher B. Fisher, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th Floor White Plains, NY 10601
Co-Applicant New Cingular Wireless PCS, LLC	**Its Representative** Christopher B. Fisher, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th Floor White Plains, NY 10601
Intervenor Cellco partnership d/b/a Verizon Wireless	**Its Representative** Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597

CERTIFICATION

The undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in **DOCKET NO. 320** - Message Center Management, Inc. and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located off Greenwoods Road East (U.S. Route 44), Norfolk, Connecticut, and voted as follows to approve the proposed site:

Council Members	Vote Cast
Daniel F. Caruso, Chairman	Yes
Colin C. Tait, Vice Chairman	Abstain
Commissioner Donald W. Downes Designee: Gerald J. Heffernan	Yes
Commissioner Gina McCarthy Designee: Brian J. Emerick	Yes
Philip T. Ashton	Absent
Daniel P. Lynch, Jr.	Yes
James J. Murphy, Jr.	Absent
Dr. Barbara Currier Bell	Yes
Edward S. Wilensky	Yes

Dated at New Britain, Connecticut, March 13, 2007.

ATTACHMENT 2

verizon

NORFOLK_EAST_CT

599 GREENWOODS ROAD
NORFOLK, CT 06058
SBA SITE I.D.: CT22103

LOCATION CODE (PSLC): 469051
FUZE ID: 16272003
EQUIPMENT UPGRADE PROJECT
RFDS DATE: 06/16/21

PROJECT SUMMARY

SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION
SITE NAME:	NORFOLK_EAST_CT
LOCATION CODE (PSLC):	469051
FUZE PROJECT ID:	16272003
SITE ADDRESS:	599 GREENWOODS ROAD NORFOLK, CT 06058
LATITUDE:	41.983189 N (RFDS)
LONGITUDE:	-73.153808 W (RFDS)
FACILITY:	SBA SITE I.D.: CT22102
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

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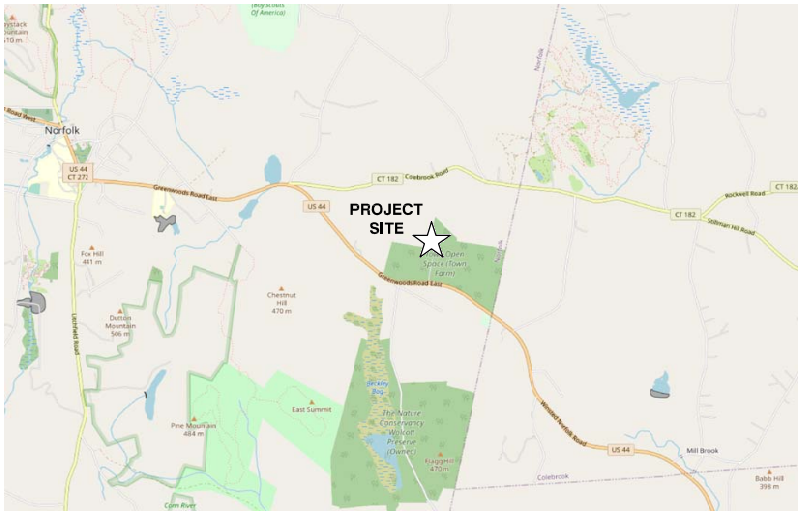
A-2	PROPOSED ANTENNA PLAN	2
D-1	DETAIL	2
X-1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)	2

LOCATION MAP



N

IMAGE SOURCE: OPENSTREETMAP

GENERAL NOTES

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

STRUCTURAL NOTES

GLOBAL TOWER STRUCTURAL ANALYSIS REPORT:

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

LOCAL ANTENNA MOUNT ANALYSIS REPORT:

PASSING REPORT – NO MODIFICATIONS REQUIRED BY MASER CONSULTING DATED 07/02/21.

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS:	https://pmi.vzwsmart.com
SMART TOOL VENDOR PROJECT NUMBER:	10080319
VzW LOCATION CODE (PSLC):	469051

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/02/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): NO

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: 2021.07.07 16:57:16 -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

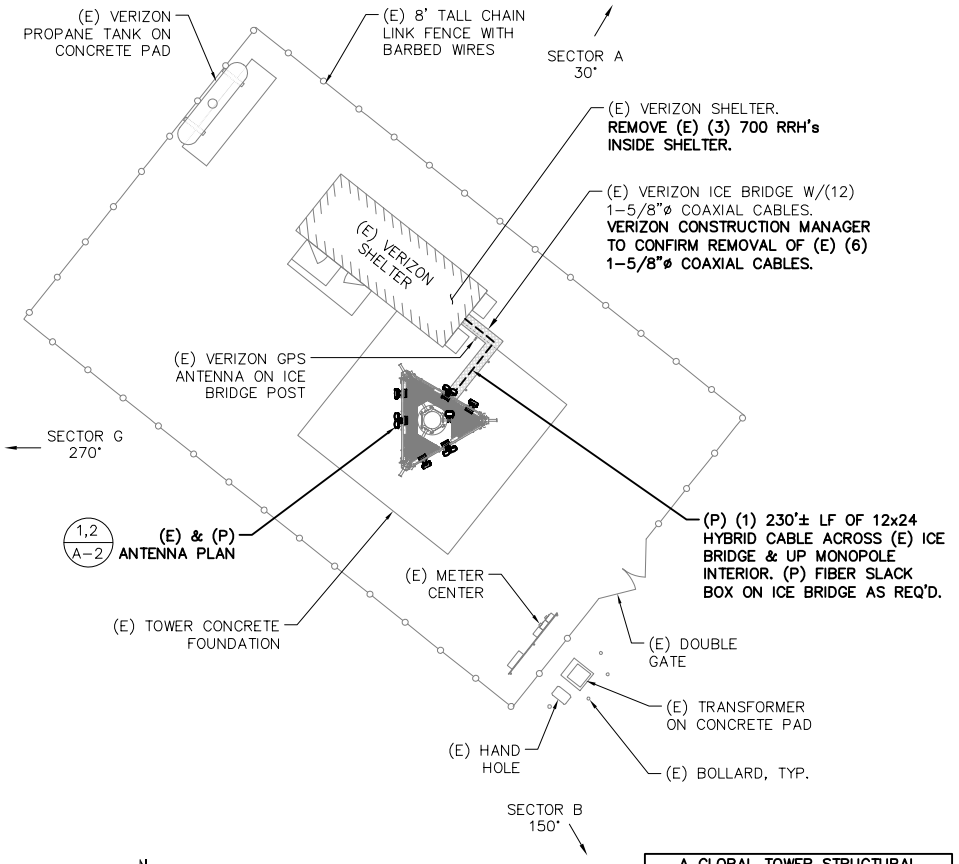
REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	05/19/21	PER RFDS DATED 04/13/21	TBD	JWG	JMM
1	05/28/21	PER RFDS DATED 04/13/21	TBD	JWG	JMM
2	07/07/21	PER RFDS DATED 06/16/21	TBD	JWG	JMM

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

NORFOLK_EAST_CT
599 GREENWOODS ROAD
NORFOLK, CT 06058
FUZE PROJECT I.D.: 16272003
SBA SITE I.D.: CT22102

T-1

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



N

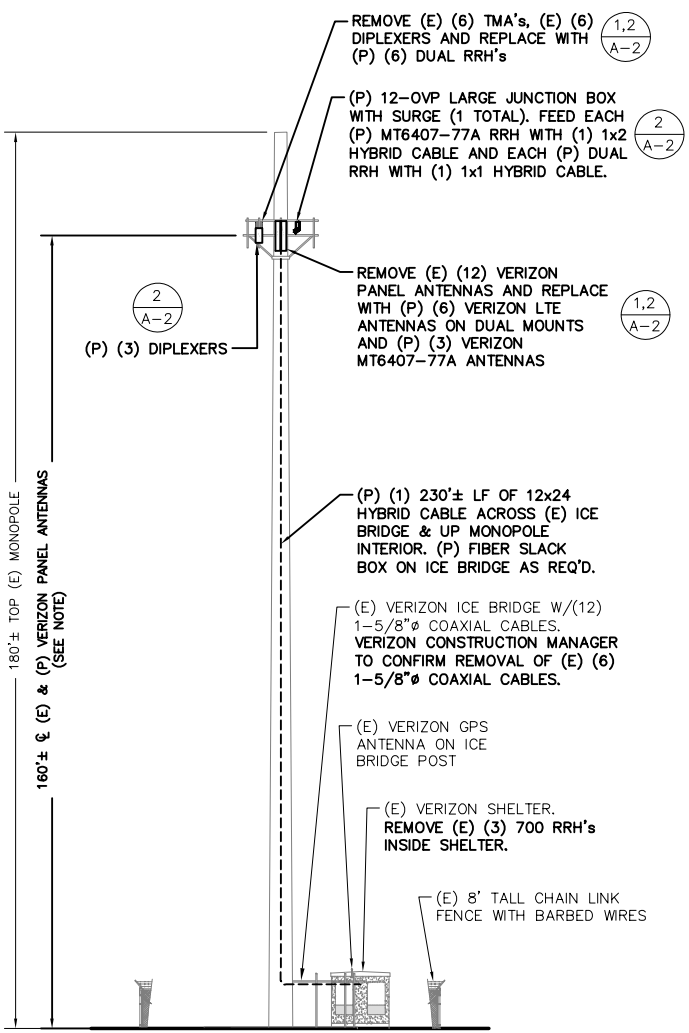
COMPOUND PLAN

1 / A-1

SCALE: 1"=20' (11x17)

20 10 0 20

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



SOUTHEAST ELEVATION

2 / A-1

SCALE: 1"=25' (11x17)

25 12.5 0 25

verizon
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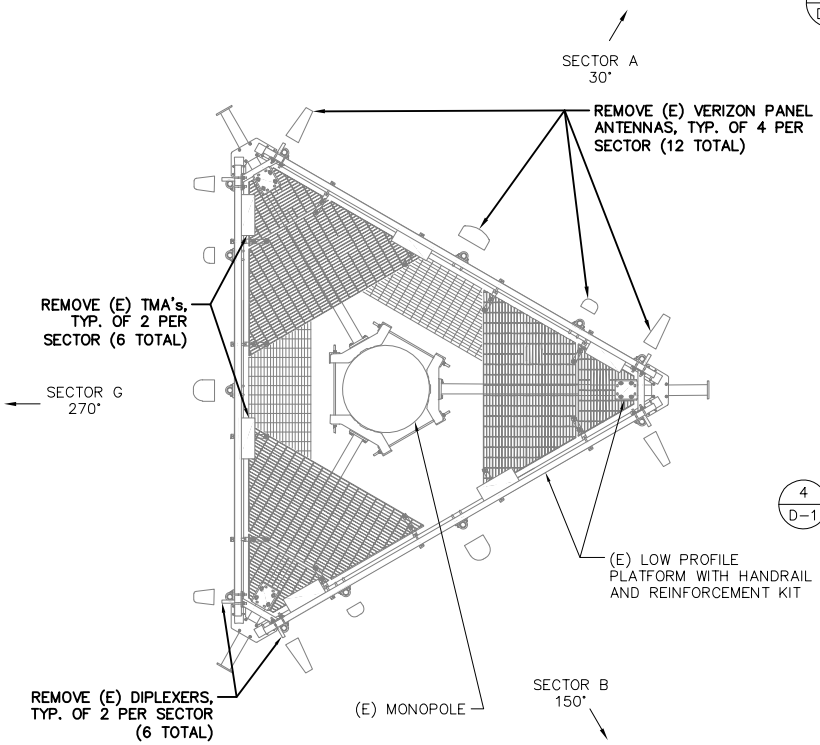
A-1

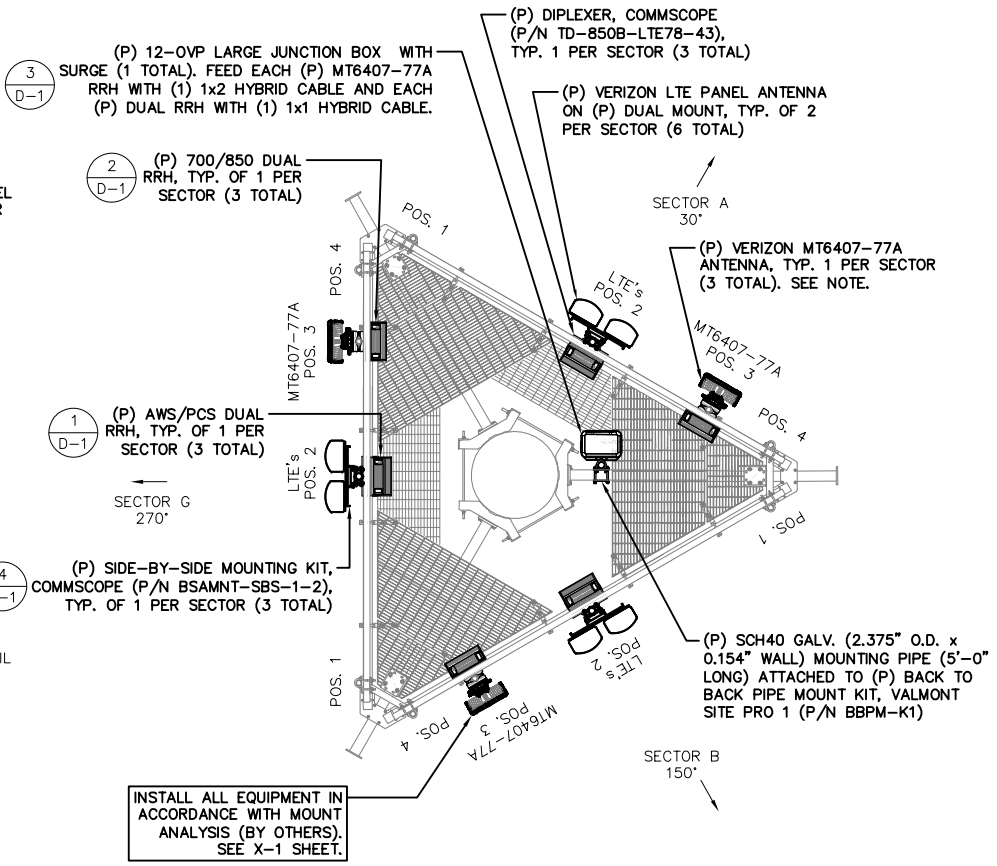


(E) ANTENNA PLAN

SCALE: 1"=4'

1 / A-2

4 2 0 4



(P) ANTENNA PLAN

SCALE: 1"=4'

2 / A-2

4 2 0 4

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
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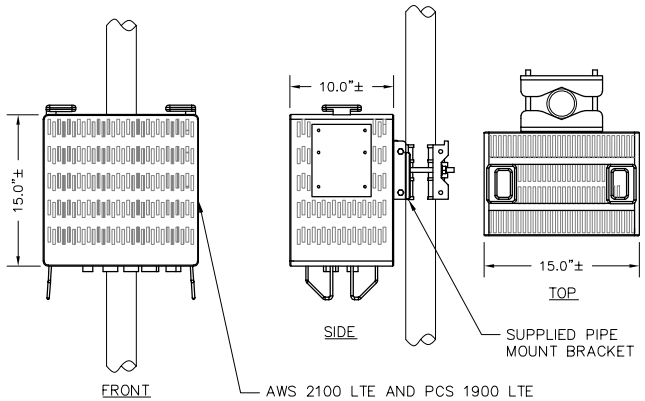
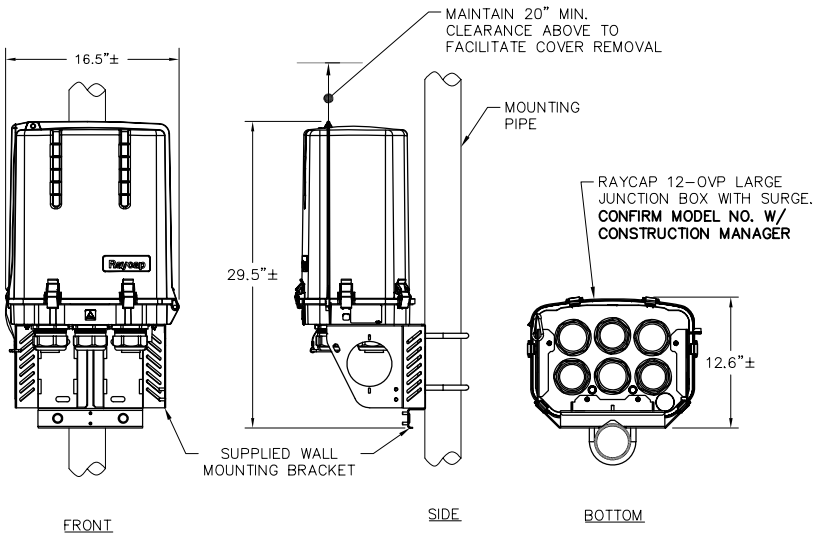
A-2



(P) AWS/PCS RRH MOUNTING DETAIL

SCALE: NONE

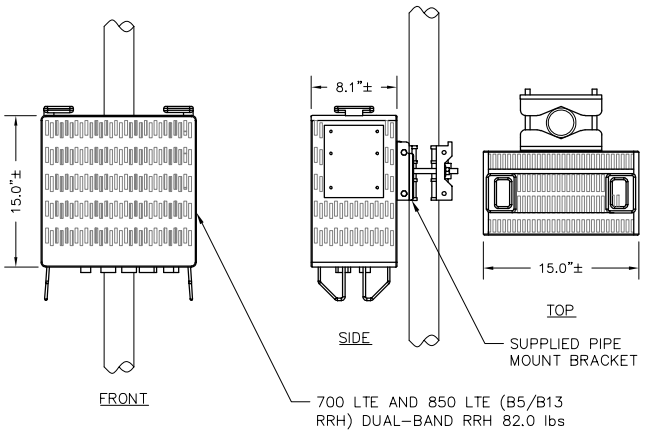
1 / D-1



(P) LARGE JUNCTION BOX MOUNTING DETAIL

SCALE: NONE

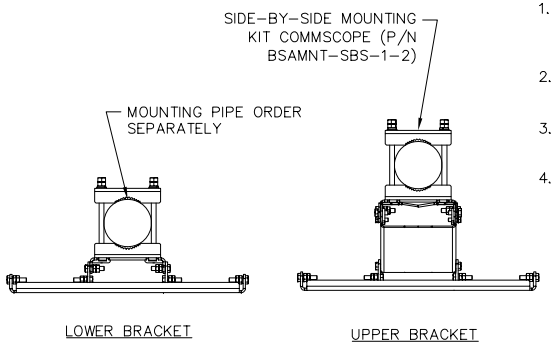
3 / D-1



(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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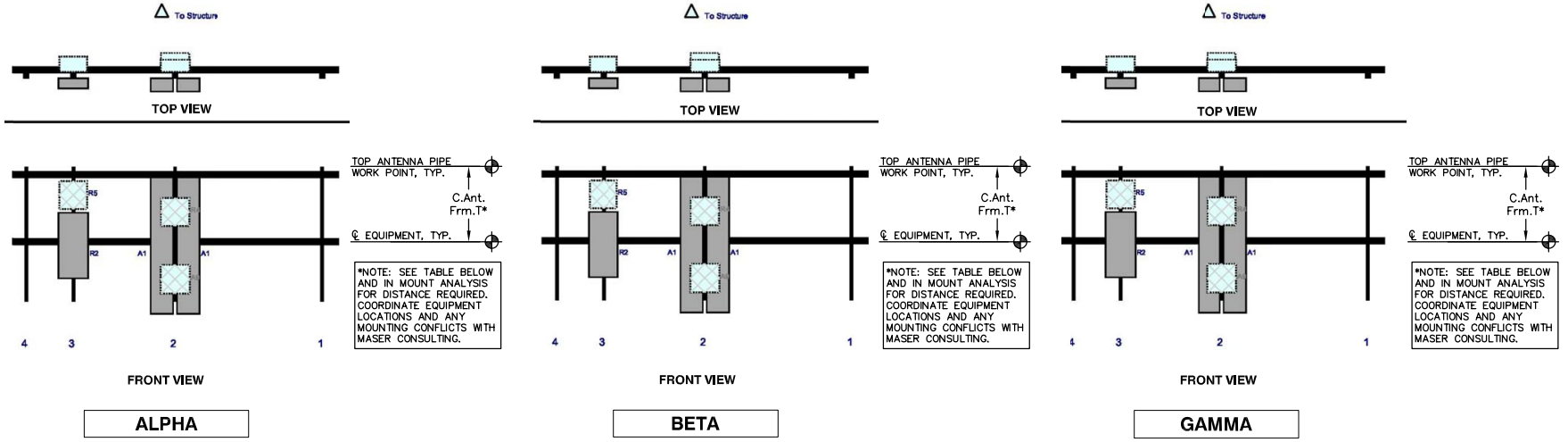
SBA SITE I.D.: CT22102

D-1

ANTENNA LAYOUT SCHEMATIC RENDERINGS SHOWN HEREON PROVIDED BY OTHERS

REFER TO ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/02/21



ALPHA

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.*	Ant H Off	Status	Validation
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-85OB-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	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
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-85OB-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	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
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-85OB-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	0	Added	

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

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

SMART TOOL VENDOR PROJECT NUMBER: 10080319

VzW LOCATION CODE (PSLC): 469051

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/02/21.

MOUNT MODIFICATIONS REQUIRED (Y/N): **NO**

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

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

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
0	05/19/21	PER RFDS DATED	TBD	JWG	JMM
1	05/28/21	PER RFDS DATED	TBD	JWG	JMM
2	07/07/21	PER RFDS DATED	TBD	JWG	JMM

NORFOLK_EAST_CT
599 GREENWOODS ROAD
NORFOLK, CT 06058
FUZE PROJECT I.D.: 16272003
SBA SITE I.D.: CT22102

X-1

SAMSUNG

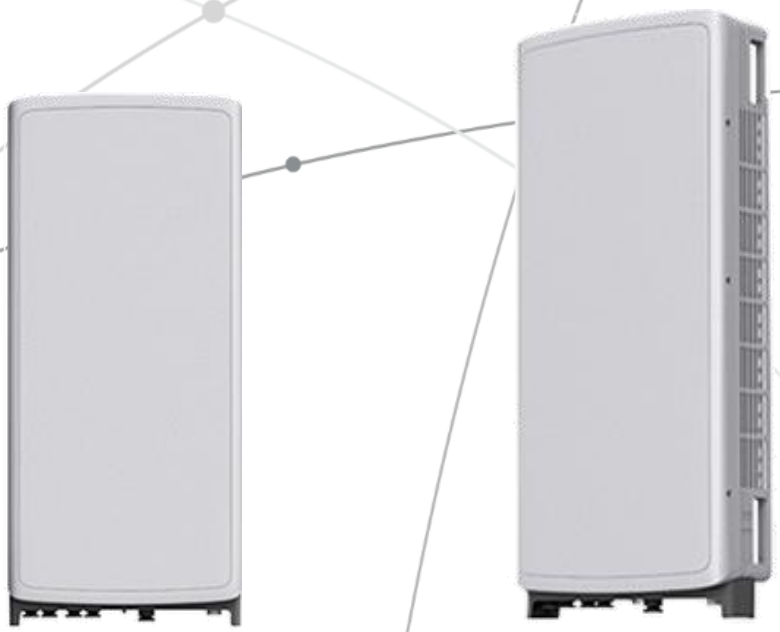
SAMSUNG

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

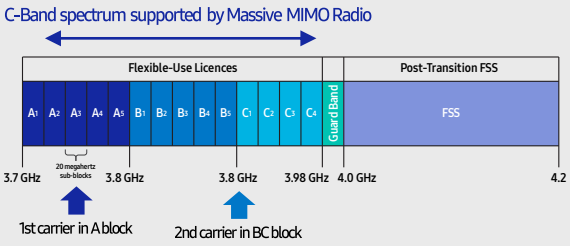


Points of Differentiation

Wide Bandwidth

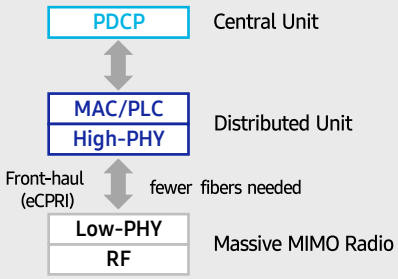
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

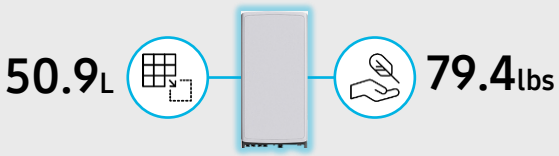
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

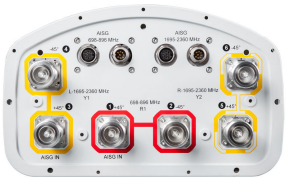
SAMSUNG

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-85B-R2B



6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 85° 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
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W

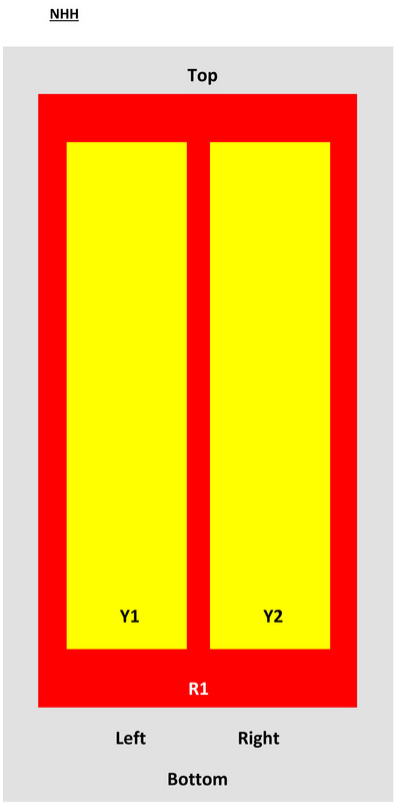
NHH-85B-R2B

Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	301 mm | 11.85 in
Depth	180 mm | 7.087 in
Length	1851 mm | 72.874 in
Net Weight, without mounting kit	19.8 kg | 43.651 lb

Array Layout



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

View from the front of the antenna

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

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz

NHH-85B-R2B

Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain, dBi	14.4	14.4	17.1	17.6	17.9	18.1
Beamwidth, Horizontal, degrees	82.5	87	80	79.3	78	78
Beamwidth, Vertical, degrees	12.3	11.2	5.7	5.3	5	4.6
Beam Tilt, degrees	0–12	0–12	0–8	0–8	0–8	0–8
USLS (First Lobe), dB	18	16	14	16	17	18
Front-to-Back Ratio at 180°, dB	28	26	34	30	30	30
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	25	25	25	25
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	250	250	250	200

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain by all Beam Tilts, average, dBi	14.1	14.1	16.6	17.3	17.6	17.7
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.6	±0.4	±0.4	±0.4
Gain by Beam Tilt, average, dBi	0 ° | 14.1 6 ° | 14.2 12 ° | 14.0	0 ° | 14.0 6 ° | 14.3 12 ° | 13.8	0 ° | 16.6 4 ° | 16.6 8 ° | 16.7	0 ° | 17.3 4 ° | 17.4 8 ° | 17.3	0 ° | 17.6 4 ° | 17.6 8 ° | 17.5	0 ° | 17.6 4 ° | 17.8 8 ° | 17.6
Beamwidth, Horizontal Tolerance, degrees	±1.8	±2	±4.8	±4.0	±4.0	±2.6
Beamwidth, Vertical Tolerance, degrees	±0.8	±0.9	±0.2	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	18	16	14	15	16	17
Front-to-Back Total Power at 180° ± 30°, dB	22	22	27	26	25	26
CPR at Boresight, dB	21	22	19	19	19	22

NHH-85B-R2B

CPR at Sector, dB	20	20	15	17	17	16

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.27 m² | 2.906 ft²
Effective Projective Area (EPA), lateral	0.22 m² | 2.368 ft²
Wind Loading at Velocity, frontal	283.0 N @ 150 km/h | 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	234.0 N @ 150 km/h | 52.6 lbf @ 150 km/h
Wind Loading at Velocity, maximum	122.5 lbf @ 150 km/h | 545.0 N @ 150 km/h
Wind Loading at Velocity, rear	287.0 N @ 150 km/h | 64.5 lbf @ 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	1970 mm | 77.559 in
Weight, gross	31.9 kg | 70.327 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
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

Site Name: ***NORFOLK EAST CT***

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	444	1774	160	0.0025	0.5007	0.50%
VZW CDMA	878.49	2	465	929	160	0.0013	0.5857	0.22%
VZW Cellular	874	4	444	1774	160	0.0025	0.5827	0.43%
VZW PCS	1975	4	935	3742	160	0.0053	1.0000	0.53%
VZW AWS	2120	4	986	3945	160	0.0055	1.0000	0.55%
VZW CBAND	3730.005	4	6531	26125	160	0.0367	1.0000	3.67%
Total Percentage of Maximum Permissible Exposure								5.90%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 469051 / NORFOLK EAST CT
Application #: 152544, v2

SBA Site ID / Name: CT22102-A / Town of Norfolk DPW

180 ft Monopole

Greenwoods Road East
Norfolk, Connecticut 06058
Lat: 41.983189, Long: -73.153808

Project number: CT22102-VZW-072621

Analysis Results

Tower	39.0%	Pass
Foundation	28.0%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by:

Elizabeth Zubeldia
Structural Engineer I
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ezubeldia@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P. E.
Senior Manager, Structural Engineering
(561) 981-7390
SShanubhogue@sbasite.com

July 26, 2021

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

07/26/21

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 180 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Valmont, Project No. 24166R3, dated 07-20-2007
Foundation drawings	Valmont, Drawing No. 211665, dated 07-20-2007
Geotechnical report	DR. Clarence Welti, P.E., P.C., dated 03-04-2007
Modification drawings	N/A
Latest SA	SBAE, Project #: CT22102-VZW-061020, dated 06-10-2020

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/LITCHFIELD/Norfolk
Governing Codes	ANSI/TIA/EIA 222-G, 2015 IBC, 2018 CBC
Basic Wind Speed (3-Sec gust)	89.0 mph (Ultimate Wind Speed: 115 mph)
Wind Speed with Ice (3-Sec gust)	40 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00”
Structural Class*	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	1462.68 ft
Seismic Parameter S_s**	0.175
Seismic Parameter S_1	0.065

*This structural analysis is based upon the tower being classified as a structural 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.

**Earthquake effects were ignored as per section 2.7.3 of the TIA-222-G code provisions for Ss < 1.0.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			RFS APL868013 Panel	(1) Low Profile Platform, (1) Handrail Kit SitePro: (1) Reinforcement Kit SitePro: PRK-1245L, (12) Crossover plates SitePro SCX1-K	(1) Unknown Conduit	Verizon
			Antel LPA-80080-6CF-EDIN-X Panel			
			Antel BXA-171085-12BF Panel			
			Antel BXA-70063-6CF-EDIN-5 Panel			
			Antel BXA-70080-6CF-EDIN-X Panel			
			Kaelus TMA2071F00V1-1 TMA			
			RFS FD9R6004/2C-3L Diplexer			

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 152544, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Commscope NHH-85B-R2B Panel	(1) Low Profile Platform, (1) Handrail Kit SitePro: (1) Reinforcement Kit SitePro: PRK-1245L, (12) Crossover plates SitePro SCX1-K	Hybrid	Verizon
			Samsung MT6407-77 APanel			
			Samsung B2/B66A RRH-BR049 RRU			
			Samsung B5/B13 RRH-BR04C RRU			
		1	Commscope TD-850B-LTE78-43 OVP			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

PResults	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	28.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be sufficient to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Appendix

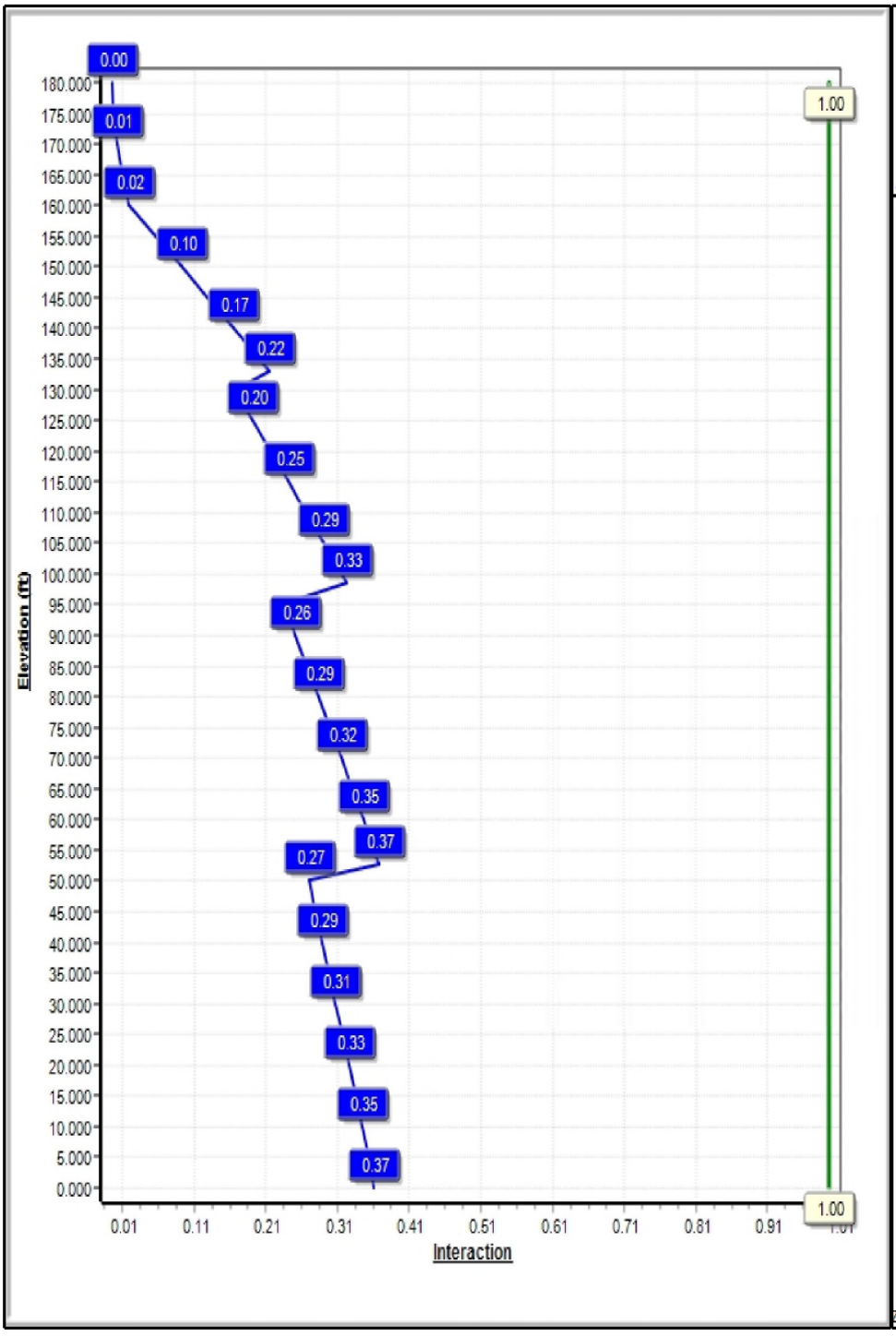
Usage Diagram - Max Ratio 37.23% at 52.8ft

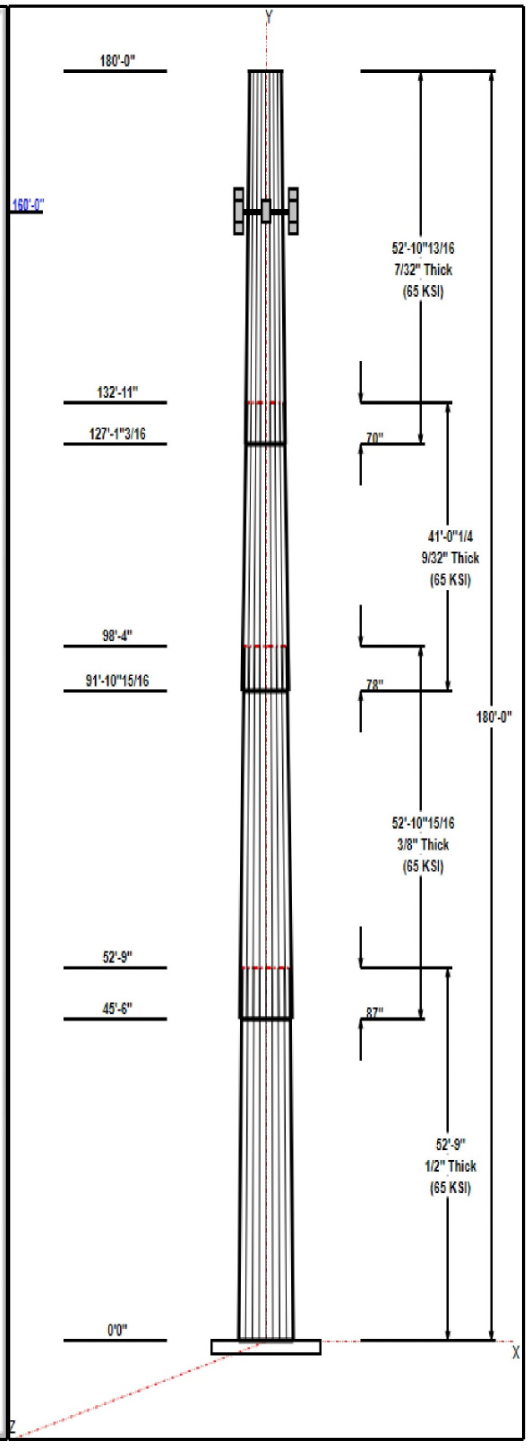
Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site	**Exposure:**	C	
Height:	180.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Dead Load Factor:	1.20
Wind Load Factor:	1.60

Load Case : 1.2D + 1.6W 89 mph Wind

Iterations: 24





Structure: CT22102-A

Type: Tapered
Site Name: Town of Norfolk DPW site
Height: 180.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.14000

7/26/2021

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	52.75	47.12	54.50	0.500		0.14000	65
2	52.91	41.47	48.88	0.375	Slip	0.14000	65
3	41.02	37.20	42.95	0.281	Slip	0.14000	65
4	52.90	31.05	38.46	0.219	Slip	0.14000	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
160.00	160.00	1	Low Profile Platform	Verizon
160.00	160.00	1	(1) Handrail Kit Site Pro	Verizon
160.00	160.00	1	(1) Reinforcement Kit Site	Verizon
160.00	160.00	6	Commscope	Verizon
160.00	160.00	3	Samsung MT6407-77A	Verizon
160.00	160.00	3	Samsung B2/B66A	Verizon
160.00	160.00	3	Samsung B5/B13	Verizon
160.00	160.00	1	Commscope	Verizon
160.00	160.00	1	RFS DB-C1-12C-24AB-OZ	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	160.00	Inside	1 5/8" Coax	Verizon
0.00	160.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

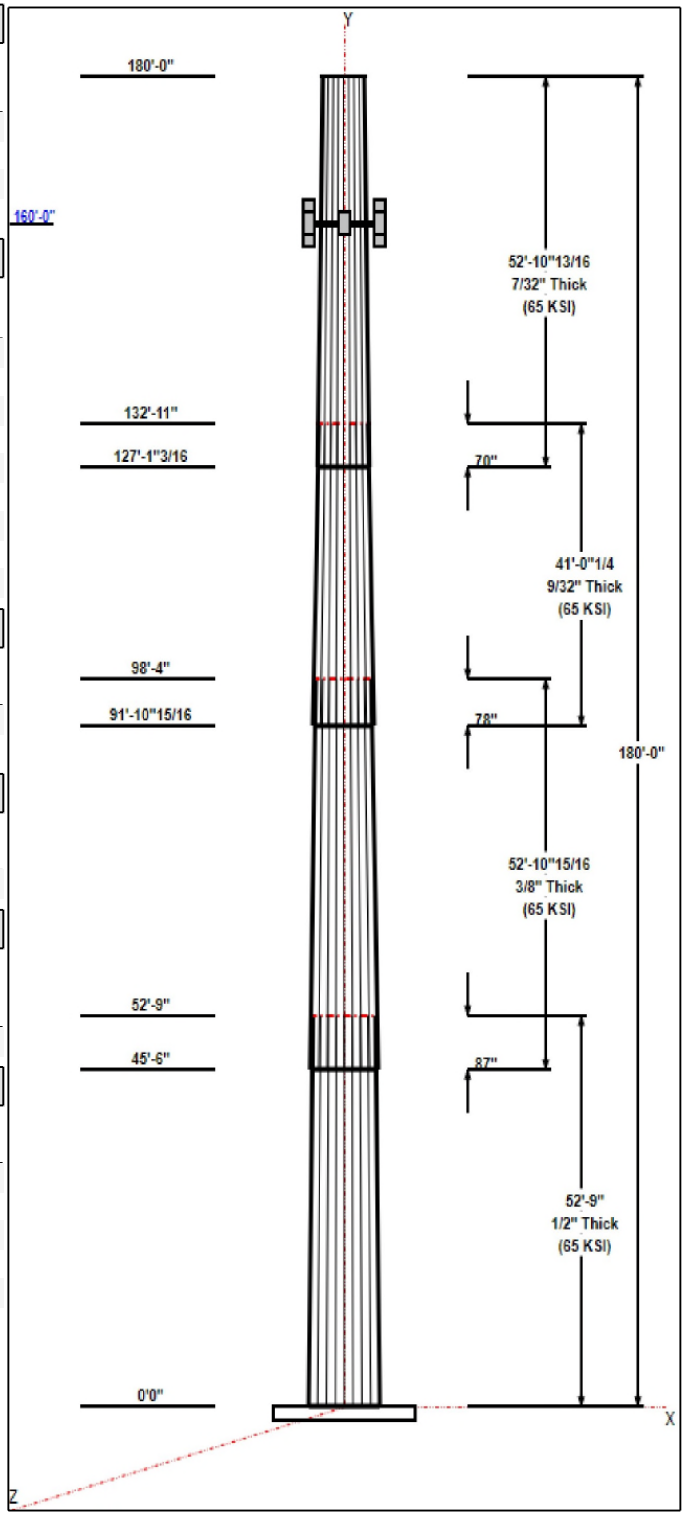
Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	68.9	60.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 89 mph Wind	2466.2	22.2	46.3
0.9D + 1.6W 89 mph Wind	2447.2	22.2	34.7
1.2D + 1.0Di + 1.0Wi 40 mph Wind	570.4	5.2	64.7
1.2D + 1.0E	140.0	1.3	46.3
0.9D + 1.0E	138.9	1.3	34.7
1.0D + 1.0W 60 mph Wind	697.1	6.3	38.6



Structure: CT22102-A - Coax Line Placement

Type:
Site Name: Town of Norfolk DPW site
Height: 180.00 (ft)

7/26/2021

Shaft Properties

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 4

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	52.750	0.5000	65		0.00	14,330
2	18	52.910	0.3750	65	Slip	87.00	9,600
3	18	41.020	0.2813	65	Slip	78.00	4,958
4	18	52.903	0.2188	65	Slip	70.00	4,316
					Total Shaft Weight:		**33,205**

	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	54.50	0.00	85.69	31571.53	17.81	109.00	47.12	52.75	73.98	20309.1	15.20	94.23	0.140000
2	48.88	45.50	57.73	17160.71	21.57	130.35	41.47	98.41	48.91	10438.1	18.09	110.5	0.140000
3	42.95	91.91	38.08	8758.24	25.51	152.69	37.20	132.93	32.96	5676.22	21.91	132.2	0.140000
4	38.46	127.1	26.55	4904.20	29.59	175.80	31.05	180.00	21.41	2570.79	23.62	141.9	0.140000

Load Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

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	160.00	Low Profile Platform	1	1500.00	22.00	1.00	2817.39	39.776	1.00	0.00	0.00
2	160.00	(1) Handrail Kit Site Pro HRK14	1	436.00	9.02	1.00	818.92	16.308	1.00	0.00	0.00
3	160.00	(1) Reinforcement Kit Site Pro	1	302.00	11.87	1.00	567.23	21.461	1.00	0.00	0.00
4	160.00	Commscope NHH-85B-R2B Panel	6	55.24	8.76	1.14	419.88	10.083	1.14	0.00	0.00
5	160.00	Samsung MT6407-77A Panel	3	87.10	4.68	0.75	199.64	5.588	0.71	0.00	0.00
6	160.00	Samsung B2/B66A RRH-BR049	3	84.40	1.88	0.83	135.46	2.428	0.85	0.00	0.00
7	160.00	Samsung B5/B13 RRH-BR04C RRU	3	70.30	1.88	0.77	118.75	2.428	0.79	0.00	0.00
8	160.00	Commscope TD-850B-LTE78-43	1	52.90	1.96	0.71	101.22	2.511	0.73	0.00	0.00
9	160.00	RFS DB-C1-12C-24AB-OZ OVP	1	32.00	4.06	0.88	146.67	4.881	0.89	0.00	0.00
		Totals:	**20**	**3,379.74**			**8,332.25**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	160.00	(11) 1 5/8" Coax	0.00	Inside
0.00	160.00	(1) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.5000	54.500	85.695	31571.5	17.81	109.00	80.5	1141.	0.0
5.00		0.5000	53.800	84.584	30359.6	17.56	107.60	80.7	1111.	1448.6
10.00		0.5000	53.100	83.473	29179.1	17.32	106.20	81.0	1082.	1429.7
15.00		0.5000	52.400	82.362	28029.6	17.07	104.80	81.3	1053.	1410.8
20.00		0.5000	51.700	81.251	26910.7	16.82	103.40	81.6	1025.	1391.9
25.00		0.5000	51.000	80.141	25821.9	16.57	102.00	81.9	997.2	1373.0
30.00		0.5000	50.300	79.030	24763.0	16.33	100.60	82.2	969.7	1354.1
35.00		0.5000	49.600	77.919	23733.3	16.08	99.20	82.5	942.5	1335.2
40.00		0.5000	48.900	76.808	22732.7	15.83	97.80	82.5	915.6	1316.3
45.00		0.5000	48.200	75.697	21760.5	15.59	96.40	82.5	889.2	1297.4
45.50	Bot - Section 2	0.5000	48.130	75.586	21664.9	15.56	96.26	82.5	886.6	128.7
50.00		0.5000	47.500	74.586	20816.5	15.34	95.00	82.5	863.2	2028.0
52.75	Top - Section 1	0.3750	47.865	56.523	16105.8	21.10	127.64	0.0	0.0	1226.2
55.00		0.3750	47.550	56.148	15787.4	20.95	126.80	76.8	653.9	431.3
60.00		0.3750	46.850	55.315	15095.0	20.62	124.93	77.1	634.6	948.2
65.00		0.3750	46.150	54.482	14423.2	20.29	123.07	77.5	615.6	934.0
70.00		0.3750	45.450	53.649	13771.6	19.96	121.20	77.9	596.8	919.9
75.00		0.3750	44.750	52.815	13139.9	19.63	119.33	78.3	578.3	905.7
80.00		0.3750	44.050	51.982	12527.8	19.30	117.47	78.7	560.2	891.5
85.00		0.3750	43.350	51.149	11935.0	18.97	115.60	79.1	542.3	877.3
90.00		0.3750	42.650	50.316	11361.3	18.64	113.73	79.5	524.7	863.2
91.91	Bot - Section 3	0.3750	42.383	49.998	11147.0	18.52	113.02	79.6	518.0	326.0
95.00		0.3750	41.950	49.483	10806.2	18.31	111.87	79.9	507.4	921.4
98.41	Top - Section 2	0.2813	42.035	37.272	8209.7	24.94	149.46	0.0	0.0	1005.8
100.00		0.2813	41.812	37.073	8079.1	24.80	148.67	72.2	380.6	201.1
105.00		0.2813	41.112	36.448	7677.4	24.36	146.18	72.7	367.8	625.4
110.00		0.2813	40.412	35.823	7289.3	23.93	143.69	73.3	355.3	614.8
115.00		0.2813	39.712	35.199	6914.5	23.49	141.20	73.8	342.9	604.2
120.00		0.2813	39.012	34.574	6552.7	23.05	138.71	74.3	330.8	593.5
125.00		0.2813	38.312	33.949	6203.8	22.61	136.22	74.8	318.9	582.9
127.10	Bot - Section 4	0.2813	38.019	33.687	6061.3	22.43	135.18	75.0	314.0	241.3
130.00		0.2813	37.612	33.324	5867.5	22.17	133.73	75.3	307.3	591.9
132.93	Top - Section 3	0.2188	37.640	25.981	4596.6	28.93	172.07	0.0	0.0	590.9
135.00		0.2188	37.350	25.780	4490.7	28.70	170.74	67.6	236.8	182.3
140.00		0.2188	36.650	25.294	4241.5	28.13	167.54	68.3	227.9	434.5
145.00		0.2188	35.950	24.808	4001.6	27.57	164.34	69.0	219.2	426.2
150.00		0.2188	35.250	24.322	3771.0	27.00	161.14	69.6	210.7	417.9
155.00		0.2188	34.550	23.836	3549.5	26.44	157.94	70.3	202.3	409.7
160.00		0.2188	33.850	23.350	3336.7	25.87	154.74	71.0	194.2	401.4
165.00		0.2188	33.150	22.864	3132.7	25.31	151.54	71.6	186.1	393.1
170.00		0.2188	32.450	22.378	2937.1	24.75	148.34	72.3	178.3	384.9
175.00		0.2188	31.750	21.892	2749.9	24.18	145.14	73.0	170.6	376.6
180.00		0.2188	31.050	21.406	2570.8	23.62	141.94	73.6	163.1	368.3
										33204.8

Wind Loading - Shaft

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

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	0.85	16.374	18.01	378.41	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	16.374	18.01	373.55	0.650	0.000	5.00	22.911	14.89	429.2	0.0	1738.3
10.00		1.00	0.85	16.374	18.01	368.69	0.650	0.000	5.00	22.614	14.70	423.6	0.0	1715.6
15.00		1.00	0.85	16.374	18.01	363.83	0.650	0.000	5.00	22.318	14.51	418.1	0.0	1692.9
20.00		1.00	0.90	17.374	19.11	369.76	0.650	0.000	5.00	22.022	14.31	437.7	0.0	1670.2
25.00		1.00	0.95	18.209	20.03	373.43	0.650	0.000	5.00	21.726	14.12	452.6	0.0	1647.5
30.00		1.00	0.98	18.922	20.81	375.44	0.650	0.000	5.00	21.430	13.93	463.9	0.0	1624.9
35.00		1.00	1.01	19.546	21.50	376.27	0.650	0.000	5.00	21.134	13.74	472.6	0.0	1602.2
40.00		1.00	1.04	20.103	22.11	376.21	0.650	0.000	5.00	20.837	13.54	479.2	0.0	1579.5
45.00		1.00	1.07	20.608	22.67	375.45	0.650	0.000	5.00	20.541	13.35	484.3	0.0	1556.8
45.50	Bot - Section 2	1.00	1.07	20.656	22.72	375.34	0.650	0.000	0.50	2.038	1.32	48.2	0.0	154.4
50.00		1.00	1.09	21.070	23.18	374.12	0.650	0.000	4.50	18.493	12.02	445.8	0.0	2433.6
52.75	Top - Section 1	1.00	1.11	21.309	23.44	373.19	0.650	0.000	2.75	11.183	7.27	272.6	0.0	1471.4
55.00		1.00	1.12	21.497	23.65	378.29	0.650	0.000	2.25	9.083	5.90	223.4	0.0	517.6
60.00		1.00	1.14	21.895	24.08	376.15	0.650	0.000	5.00	19.970	12.98	500.2	0.0	1137.9
65.00		1.00	1.16	22.267	24.49	373.67	0.650	0.000	5.00	19.674	12.79	501.2	0.0	1120.8
70.00		1.00	1.17	22.617	24.88	370.88	0.650	0.000	5.00	19.378	12.60	501.4	0.0	1103.8
75.00		1.00	1.19	22.948	25.24	367.83	0.650	0.000	5.00	19.082	12.40	500.9	0.0	1086.8
80.00		1.00	1.21	23.262	25.59	364.55	0.650	0.000	5.00	18.785	12.21	499.9	0.0	1069.8
85.00		1.00	1.22	23.561	25.92	361.05	0.650	0.000	5.00	18.489	12.02	498.3	0.0	1052.8
90.00		1.00	1.24	23.846	26.23	357.36	0.650	0.000	5.00	18.193	11.83	496.3	0.0	1035.8
91.91	Bot - Section 3	1.00	1.24	23.952	26.35	355.91	0.650	0.000	1.91	6.872	4.47	188.3	0.0	391.2
95.00		1.00	1.25	24.119	26.53	353.51	0.650	0.000	3.09	11.172	7.26	308.3	0.0	1105.7
98.41	Top - Section 2	1.00	1.26	24.299	26.73	350.78	0.650	0.000	3.41	12.198	7.93	339.1	0.0	1207.0
100.00		1.00	1.27	24.381	26.82	354.25	0.650	0.000	1.59	5.641	3.67	157.3	0.0	241.3
105.00		1.00	1.28	24.632	27.10	350.12	0.650	0.000	5.00	17.543	11.40	494.3	0.0	750.5
110.00		1.00	1.29	24.875	27.36	345.85	0.650	0.000	5.00	17.246	11.21	490.8	0.0	737.8
115.00		1.00	1.30	25.109	27.62	341.45	0.650	0.000	5.00	16.950	11.02	486.9	0.0	725.0
120.00		1.00	1.32	25.335	27.87	336.94	0.650	0.000	5.00	16.654	10.83	482.7	0.0	712.3
125.00		1.00	1.33	25.553	28.11	332.32	0.650	0.000	5.00	16.358	10.63	478.2	0.0	699.5
127.10	Bot - Section 4	1.00	1.33	25.643	28.21	330.35	0.650	0.000	2.10	6.771	4.40	198.6	0.0	289.5
130.00		1.00	1.34	25.765	28.34	327.59	0.650	0.000	2.90	9.398	6.11	277.0	0.0	710.3
132.93	Top - Section 3	1.00	1.34	25.886	28.48	324.78	0.650	0.000	2.93	9.383	6.10	277.9	0.0	709.0
135.00		1.00	1.35	25.971	28.57	326.60	0.650	0.000	2.07	6.568	4.27	195.1	0.0	218.8
140.00		1.00	1.36	26.170	28.79	321.71	0.650	0.000	5.00	15.654	10.18	468.7	0.0	521.4
145.00		1.00	1.37	26.364	29.00	316.73	0.650	0.000	5.00	15.358	9.98	463.2	0.0	511.5
150.00		1.00	1.38	26.553	29.21	311.68	0.650	0.000	5.00	15.062	9.79	457.5	0.0	501.5
155.00		1.00	1.39	26.737	29.41	306.54	0.650	0.000	5.00	14.766	9.60	451.7	0.0	491.6
160.00	Appurtenance(s)	1.00	1.40	26.917	29.61	301.34	0.650	0.000	5.00	14.470	9.41	445.6	0.0	481.7
165.00		1.00	1.41	27.091	29.80	296.06	0.650	0.000	5.00	14.174	9.21	439.3	0.0	471.8
170.00		1.00	1.42	27.262	29.99	290.72	0.650	0.000	5.00	13.877	9.02	432.8	0.0	461.8
175.00		1.00	1.42	27.429	30.17	285.32	0.650	0.000	5.00	13.581	8.83	426.2	0.0	451.9
180.00		1.00	1.43	27.592	30.35	279.86	0.650	0.000	5.00	13.285	8.64	419.4	0.0	442.0
								Totals:	**180.00**			**16,928.0**		**39,845.7**

Discrete Appurtenance Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	160.00	Low Profile Platform	1	26.917	29.608	1.00	1.00	22.00	1800.00	0.000	0.000	1042.21	0.00	0.00
2	160.00	(1) Handrail Kit Site Pro	1	26.917	29.608	1.00	1.00	9.02	523.20	0.000	0.000	427.31	0.00	0.00
3	160.00	(1) Reinforcement Kit Site	1	26.917	29.608	1.00	1.00	11.87	362.40	0.000	0.000	562.32	0.00	0.00
4	160.00	Commscope	6	26.917	29.608	0.91	0.80	47.93	397.73	0.000	0.000	2270.82	0.00	0.00
5	160.00	Samsung MT6407-77A	3	26.917	29.608	0.60	0.80	8.42	313.56	0.000	0.000	399.07	0.00	0.00
6	160.00	Samsung B2/B66A	3	26.917	29.608	0.66	0.80	3.74	303.84	0.000	0.000	177.41	0.00	0.00
7	160.00	Samsung B5/B13	3	26.917	29.608	0.62	0.80	3.47	253.08	0.000	0.000	164.59	0.00	0.00
8	160.00	Commscope	1	26.917	29.608	0.57	0.80	1.11	63.48	0.000	0.000	52.74	0.00	0.00
9	160.00	RFS DB-C1-12C-24AB-OZ	1	26.917	29.608	0.70	0.80	2.86	38.40	0.000	0.000	135.40	0.00	0.00
							Totals:		**4,055.69**			**5,231.86**		

Total Applied Force Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

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		429.16	1813.50	0.00	0.00
10.00		423.62	1790.82	0.00	0.00
15.00		418.07	1768.14	0.00	0.00
20.00		437.70	1745.46	0.00	0.00
25.00		452.59	1722.78	0.00	0.00
30.00		463.88	1700.10	0.00	0.00
35.00		472.56	1677.42	0.00	0.00
40.00		479.22	1654.74	0.00	0.00
45.00		484.27	1632.06	0.00	0.00
45.50		48.16	161.96	0.00	0.00
50.00		445.76	2501.34	0.00	0.00
52.75		272.62	1512.77	0.00	0.00
55.00		223.38	551.44	0.00	0.00
60.00		500.20	1213.09	0.00	0.00
65.00		501.16	1196.08	0.00	0.00
70.00		501.38	1179.07	0.00	0.00
75.00		500.94	1162.06	0.00	0.00
80.00		499.91	1145.05	0.00	0.00
85.00		498.35	1128.04	0.00	0.00
90.00		496.30	1111.03	0.00	0.00
91.91		188.28	419.92	0.00	0.00
95.00		308.27	1152.19	0.00	0.00
98.41		339.08	1258.31	0.00	0.00
100.00		157.32	265.27	0.00	0.00
105.00		494.34	825.77	0.00	0.00
110.00		490.78	813.01	0.00	0.00
115.00		486.88	800.26	0.00	0.00
120.00		482.68	787.50	0.00	0.00
125.00		478.19	774.74	0.00	0.00
127.10		198.64	321.08	0.00	0.00
130.00		277.01	753.97	0.00	0.00
132.93		277.87	753.14	0.00	0.00
135.00		195.13	249.90	0.00	0.00
140.00		468.68	596.62	0.00	0.00
145.00		463.22	586.69	0.00	0.00
150.00		457.54	576.77	0.00	0.00
155.00		451.65	566.85	0.00	0.00
160.00	(20) attachments	5677.42	4612.61	0.00	0.00
165.00		439.28	471.76	0.00	0.00
170.00		432.81	461.84	0.00	0.00
175.00		426.17	451.92	0.00	0.00
180.00		419.35	442.00	0.00	0.00
	Totals:	**22,159.85**	**46,309.10**	**0.00**	**0.00**

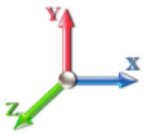
Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.2D + 1.6W 89 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	-46.29	-22.20	0.00	-2466.2	0.00	2466.20	6205.05	3102.52	13749.1	6884.77	0.00	0.000	0.000	0.366
5.00	-44.43	-21.86	0.00	-2355.1	0.00	2355.18	6146.71	3073.36	13441.6	6730.83	0.06	-0.109	0.000	0.357
10.00	-42.60	-21.51	0.00	-2245.9	0.00	2245.90	6087.80	3043.90	13136.3	6577.95	0.23	-0.216	0.000	0.348
15.00	-40.80	-21.16	0.00	-2138.3	0.00	2138.36	6028.30	3014.15	12833.2	6426.17	0.51	-0.323	0.000	0.340
20.00	-39.02	-20.78	0.00	-2032.5	0.00	2032.57	5968.23	2984.11	12532.3	6275.50	0.91	-0.429	0.000	0.330
25.00	-37.26	-20.38	0.00	-1928.6	0.00	1928.68	5907.57	2953.79	12233.7	6125.97	1.42	-0.534	0.000	0.321
30.00	-35.53	-19.96	0.00	-1826.7	0.00	1826.78	5846.34	2923.17	11937.4	5977.61	2.03	-0.637	0.000	0.312
35.00	-33.82	-19.53	0.00	-1726.9	0.00	1726.96	5784.52	2892.26	11643.5	5830.45	2.75	-0.739	0.000	0.302
40.00	-32.14	-19.08	0.00	-1629.3	0.00	1629.31	5706.45	2853.23	11321.0	5668.93	3.58	-0.840	0.000	0.293
45.00	-30.50	-18.60	0.00	-1533.8	0.00	1533.89	5623.92	2811.96	10994.2	5505.32	4.51	-0.939	0.000	0.284
45.50	-30.32	-18.58	0.00	-1524.5	0.00	1524.59	5615.67	2807.83	10961.8	5489.09	4.61	-0.949	0.000	0.283
50.00	-27.81	-18.12	0.00	-1440.9	0.00	1440.99	5541.39	2770.70	10672.3	5344.09	5.55	-1.037	0.000	0.275
52.75	-26.29	-17.84	0.00	-1391.1	0.00	1391.15	3896.09	1948.05	7602.46	3806.88	6.16	-1.090	0.000	0.372
55.00	-25.71	-17.65	0.00	-1351.0	0.00	1351.00	3879.06	1939.53	7518.61	3764.89	6.69	-1.133	0.000	0.366
60.00	-24.48	-17.17	0.00	-1262.7	0.00	1262.76	3840.77	1920.38	7333.07	3671.98	7.94	-1.251	0.000	0.350
65.00	-23.26	-16.69	0.00	-1176.9	0.00	1176.91	3801.90	1900.95	7148.65	3579.64	9.31	-1.366	0.000	0.335
70.00	-22.06	-16.20	0.00	-1093.4	0.00	1093.46	3762.45	1881.23	6965.41	3487.88	10.80	-1.478	0.000	0.319
75.00	-20.88	-15.71	0.00	-1012.4	0.00	1012.45	3722.43	1861.21	6783.41	3396.75	12.40	-1.586	0.000	0.304
80.00	-19.73	-15.21	0.00	-933.91	0.00	933.91	3681.82	1840.91	6602.68	3306.25	14.12	-1.692	0.000	0.288
85.00	-18.59	-14.71	0.00	-857.85	0.00	857.85	3640.63	1820.31	6423.28	3216.42	15.95	-1.793	0.000	0.272
90.00	-17.48	-14.20	0.00	-784.29	0.00	784.29	3598.86	1799.43	6245.27	3127.28	17.88	-1.891	0.000	0.256
91.91	-17.05	-14.01	0.00	-757.17	0.00	757.17	3582.75	1791.37	6177.64	3093.41	18.64	-1.928	0.000	0.250
95.00	-15.90	-13.68	0.00	-713.87	0.00	713.87	3556.51	1778.25	6068.68	3038.85	19.91	-1.986	0.000	0.239
98.41	-14.64	-13.31	0.00	-667.22	0.00	667.22	2417.34	1208.67	4152.00	2079.09	21.35	-2.048	0.000	0.327
100.00	-14.37	-13.16	0.00	-646.06	0.00	646.06	2409.93	1204.97	4117.06	2061.59	22.04	-2.077	0.000	0.319
105.00	-13.54	-12.66	0.00	-580.25	0.00	580.25	2386.24	1193.12	4007.42	2006.69	24.27	-2.185	0.000	0.295
110.00	-12.72	-12.16	0.00	-516.95	0.00	516.95	2361.98	1180.99	3898.19	1951.99	26.62	-2.286	0.000	0.270
115.00	-11.92	-11.66	0.00	-456.15	0.00	456.15	2337.13	1168.56	3789.44	1897.54	29.06	-2.381	0.000	0.246
120.00	-11.14	-11.16	0.00	-397.85	0.00	397.85	2311.70	1155.85	3681.20	1843.33	31.60	-2.469	0.000	0.221
125.00	-10.38	-10.66	0.00	-342.04	0.00	342.04	2285.69	1142.85	3573.52	1789.42	34.23	-2.549	0.000	0.196
127.10	-10.06	-10.45	0.00	-319.69	0.00	319.69	2274.61	1137.31	3528.55	1766.90	35.36	-2.581	0.000	0.185
130.00	-9.31	-10.15	0.00	-289.34	0.00	289.34	2259.10	1129.55	3466.46	1735.81	36.94	-2.623	0.000	0.171
132.93	-8.57	-9.84	0.00	-259.61	0.00	259.61	1575.41	787.71	2427.26	1215.44	38.56	-2.662	0.000	0.219
135.00	-8.32	-9.64	0.00	-239.24	0.00	239.24	1569.59	784.79	2399.45	1201.51	39.72	-2.688	0.000	0.205
140.00	-7.73	-9.15	0.00	-191.03	0.00	191.03	1555.10	777.55	2332.23	1167.85	42.57	-2.756	0.000	0.169
145.00	-7.16	-8.67	0.00	-145.26	0.00	145.26	1540.04	770.02	2265.00	1134.18	45.49	-2.812	0.000	0.133
150.00	-6.60	-8.19	0.00	-101.91	0.00	101.91	1524.40	762.20	2197.80	1100.53	48.46	-2.856	0.000	0.097
155.00	-6.06	-7.71	0.00	-60.98	0.00	60.98	1508.17	754.09	2130.69	1066.93	51.47	-2.887	0.000	0.061
160.00	-1.74	-1.81	0.00	-22.42	0.00	22.42	1491.37	745.68	2063.72	1033.39	54.50	-2.903	0.000	0.023
165.00	-1.29	-1.35	0.00	-13.38	0.00	13.38	1473.98	736.99	1996.93	999.95	57.55	-2.911	0.000	0.014
170.00	-0.85	-0.89	0.00	-6.66	0.00	6.66	1456.02	728.01	1930.38	966.63	60.60	-2.916	0.000	0.007
175.00	-0.42	-0.44	0.00	-2.21	0.00	2.21	1437.47	718.73	1864.13	933.45	63.65	-2.918	0.000	0.003
180.00	0.00	-0.42	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44	66.70	-2.918	0.000	0.000

Wind Loading - Shaft

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

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	0.85	16.374	18.01	378.41	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	16.374	18.01	373.55	0.650	0.000	5.00	22.911	14.89	429.2	0.0	1303.7
10.00		1.00	0.85	16.374	18.01	368.69	0.650	0.000	5.00	22.614	14.70	423.6	0.0	1286.7
15.00		1.00	0.85	16.374	18.01	363.83	0.650	0.000	5.00	22.318	14.51	418.1	0.0	1269.7
20.00		1.00	0.90	17.374	19.11	369.76	0.650	0.000	5.00	22.022	14.31	437.7	0.0	1252.7
25.00		1.00	0.95	18.209	20.03	373.43	0.650	0.000	5.00	21.726	14.12	452.6	0.0	1235.7
30.00		1.00	0.98	18.922	20.81	375.44	0.650	0.000	5.00	21.430	13.93	463.9	0.0	1218.6
35.00		1.00	1.01	19.546	21.50	376.27	0.650	0.000	5.00	21.134	13.74	472.6	0.0	1201.6
40.00		1.00	1.04	20.103	22.11	376.21	0.650	0.000	5.00	20.837	13.54	479.2	0.0	1184.6
45.00		1.00	1.07	20.608	22.67	375.45	0.650	0.000	5.00	20.541	13.35	484.3	0.0	1167.6
45.50	Bot - Section 2	1.00	1.07	20.656	22.72	375.34	0.650	0.000	0.50	2.038	1.32	48.2	0.0	115.8
50.00		1.00	1.09	21.070	23.18	374.12	0.650	0.000	4.50	18.493	12.02	445.8	0.0	1825.2
52.75	Top - Section 1	1.00	1.11	21.309	23.44	373.19	0.650	0.000	2.75	11.183	7.27	272.6	0.0	1103.5
55.00		1.00	1.12	21.497	23.65	378.29	0.650	0.000	2.25	9.083	5.90	223.4	0.0	388.2
60.00		1.00	1.14	21.895	24.08	376.15	0.650	0.000	5.00	19.970	12.98	500.2	0.0	853.4
65.00		1.00	1.16	22.267	24.49	373.67	0.650	0.000	5.00	19.674	12.79	501.2	0.0	840.6
70.00		1.00	1.17	22.617	24.88	370.88	0.650	0.000	5.00	19.378	12.60	501.4	0.0	827.9
75.00		1.00	1.19	22.948	25.24	367.83	0.650	0.000	5.00	19.082	12.40	500.9	0.0	815.1
80.00		1.00	1.21	23.262	25.59	364.55	0.650	0.000	5.00	18.785	12.21	499.9	0.0	802.4
85.00		1.00	1.22	23.561	25.92	361.05	0.650	0.000	5.00	18.489	12.02	498.3	0.0	789.6
90.00		1.00	1.24	23.846	26.23	357.36	0.650	0.000	5.00	18.193	11.83	496.3	0.0	776.8
91.91	Bot - Section 3	1.00	1.24	23.952	26.35	355.91	0.650	0.000	1.91	6.872	4.47	188.3	0.0	293.4
95.00		1.00	1.25	24.119	26.53	353.51	0.650	0.000	3.09	11.172	7.26	308.3	0.0	829.3
98.41	Top - Section 2	1.00	1.26	24.299	26.73	350.78	0.650	0.000	3.41	12.198	7.93	339.1	0.0	905.2
100.00		1.00	1.27	24.381	26.82	354.25	0.650	0.000	1.59	5.641	3.67	157.3	0.0	181.0
105.00		1.00	1.28	24.632	27.10	350.12	0.650	0.000	5.00	17.543	11.40	494.3	0.0	562.9
110.00		1.00	1.29	24.875	27.36	345.85	0.650	0.000	5.00	17.246	11.21	490.8	0.0	553.3
115.00		1.00	1.30	25.109	27.62	341.45	0.650	0.000	5.00	16.950	11.02	486.9	0.0	543.8
120.00		1.00	1.32	25.335	27.87	336.94	0.650	0.000	5.00	16.654	10.83	482.7	0.0	534.2
125.00		1.00	1.33	25.553	28.11	332.32	0.650	0.000	5.00	16.358	10.63	478.2	0.0	524.6
127.10	Bot - Section 4	1.00	1.33	25.643	28.21	330.35	0.650	0.000	2.10	6.771	4.40	198.6	0.0	217.1
130.00		1.00	1.34	25.765	28.34	327.59	0.650	0.000	2.90	9.398	6.11	277.0	0.0	532.7
132.93	Top - Section 3	1.00	1.34	25.886	28.48	324.78	0.650	0.000	2.93	9.383	6.10	277.9	0.0	531.8
135.00		1.00	1.35	25.971	28.57	326.60	0.650	0.000	2.07	6.568	4.27	195.1	0.0	164.1
140.00		1.00	1.36	26.170	28.79	321.71	0.650	0.000	5.00	15.654	10.18	468.7	0.0	391.0
145.00		1.00	1.37	26.364	29.00	316.73	0.650	0.000	5.00	15.358	9.98	463.2	0.0	383.6
150.00		1.00	1.38	26.553	29.21	311.68	0.650	0.000	5.00	15.062	9.79	457.5	0.0	376.1
155.00		1.00	1.39	26.737	29.41	306.54	0.650	0.000	5.00	14.766	9.60	451.7	0.0	368.7
160.00	Appurtenance(s)	1.00	1.40	26.917	29.61	301.34	0.650	0.000	5.00	14.470	9.41	445.6	0.0	361.3
165.00		1.00	1.41	27.091	29.80	296.06	0.650	0.000	5.00	14.174	9.21	439.3	0.0	353.8
170.00		1.00	1.42	27.262	29.99	290.72	0.650	0.000	5.00	13.877	9.02	432.8	0.0	346.4
175.00		1.00	1.42	27.429	30.17	285.32	0.650	0.000	5.00	13.581	8.83	426.2	0.0	338.9
180.00		1.00	1.43	27.592	30.35	279.86	0.650	0.000	5.00	13.285	8.64	419.4	0.0	331.5
								Totals:	**180.00**			**16,928.0**		**29,884.3**

Discrete Appurtenance Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	160.00	Low Profile Platform	1	26.917	29.608	1.00	1.00	22.00	1350.00	0.000	0.000	1042.21	0.00	0.00
2	160.00	(1) Handrail Kit Site Pro	1	26.917	29.608	1.00	1.00	9.02	392.40	0.000	0.000	427.31	0.00	0.00
3	160.00	(1) Reinforcement Kit Site	1	26.917	29.608	1.00	1.00	11.87	271.80	0.000	0.000	562.32	0.00	0.00
4	160.00	Commscope	6	26.917	29.608	0.91	0.80	47.93	298.30	0.000	0.000	2270.82	0.00	0.00
5	160.00	Samsung MT6407-77A	3	26.917	29.608	0.60	0.80	8.42	235.17	0.000	0.000	399.07	0.00	0.00
6	160.00	Samsung B2/B66A	3	26.917	29.608	0.66	0.80	3.74	227.88	0.000	0.000	177.41	0.00	0.00
7	160.00	Samsung B5/B13	3	26.917	29.608	0.62	0.80	3.47	189.81	0.000	0.000	164.59	0.00	0.00
8	160.00	Commscope	1	26.917	29.608	0.57	0.80	1.11	47.61	0.000	0.000	52.74	0.00	0.00
9	160.00	RFS DB-C1-12C-24AB-OZ	1	26.917	29.608	0.70	0.80	2.86	28.80	0.000	0.000	135.40	0.00	0.00
							Totals:		**3,041.77**			**5,231.86**		

Total Applied Force Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

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		429.16	1360.13	0.00	0.00
10.00		423.62	1343.12	0.00	0.00
15.00		418.07	1326.11	0.00	0.00
20.00		437.70	1309.10	0.00	0.00
25.00		452.59	1292.09	0.00	0.00
30.00		463.88	1275.08	0.00	0.00
35.00		472.56	1258.07	0.00	0.00
40.00		479.22	1241.06	0.00	0.00
45.00		484.27	1224.05	0.00	0.00
45.50		48.16	121.47	0.00	0.00
50.00		445.76	1876.01	0.00	0.00
52.75		272.62	1134.58	0.00	0.00
55.00		223.38	413.58	0.00	0.00
60.00		500.20	909.82	0.00	0.00
65.00		501.16	897.06	0.00	0.00
70.00		501.38	884.30	0.00	0.00
75.00		500.94	871.55	0.00	0.00
80.00		499.91	858.79	0.00	0.00
85.00		498.35	846.03	0.00	0.00
90.00		496.30	833.27	0.00	0.00
91.91		188.28	314.94	0.00	0.00
95.00		308.27	864.14	0.00	0.00
98.41		339.08	943.73	0.00	0.00
100.00		157.32	198.95	0.00	0.00
105.00		494.34	619.33	0.00	0.00
110.00		490.78	609.76	0.00	0.00
115.00		486.88	600.19	0.00	0.00
120.00		482.68	590.62	0.00	0.00
125.00		478.19	581.06	0.00	0.00
127.10		198.64	240.81	0.00	0.00
130.00		277.01	565.47	0.00	0.00
132.93		277.87	564.85	0.00	0.00
135.00		195.13	187.43	0.00	0.00
140.00		468.68	447.46	0.00	0.00
145.00		463.22	440.02	0.00	0.00
150.00		457.54	432.58	0.00	0.00
155.00		451.65	425.14	0.00	0.00
160.00	(20) attachments	5677.42	3459.46	0.00	0.00
165.00		439.28	353.82	0.00	0.00
170.00		432.81	346.38	0.00	0.00
175.00		426.17	338.94	0.00	0.00
180.00		419.35	331.50	0.00	0.00
	Totals:	**22,159.85**	**34,731.83**	**0.00**	**0.00**

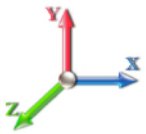
Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 0.9D + 1.6W 89 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	-34.71	-22.19	0.00	-2447.1	0.00	2447.19	6205.05	3102.52	13749.1	6884.77	0.00	0.000	0.000	0.361
5.00	-33.31	-21.82	0.00	-2336.2	0.00	2336.23	6146.71	3073.36	13441.6	6730.83	0.06	-0.108	0.000	0.353
10.00	-31.93	-21.46	0.00	-2227.1	0.00	2227.11	6087.80	3043.90	13136.3	6577.95	0.23	-0.215	0.000	0.344
15.00	-30.57	-21.09	0.00	-2119.8	0.00	2119.83	6028.30	3014.15	12833.2	6426.17	0.51	-0.321	0.000	0.335
20.00	-29.22	-20.70	0.00	-2014.3	0.00	2014.39	5968.23	2984.11	12532.3	6275.50	0.90	-0.426	0.000	0.326
25.00	-27.90	-20.28	0.00	-1910.9	0.00	1910.91	5907.57	2953.79	12233.7	6125.97	1.40	-0.529	0.000	0.317
30.00	-26.59	-19.85	0.00	-1809.5	0.00	1809.50	5846.34	2923.17	11937.4	5977.61	2.01	-0.632	0.000	0.307
35.00	-25.30	-19.41	0.00	-1710.2	0.00	1710.24	5784.52	2892.26	11643.5	5830.45	2.73	-0.733	0.000	0.298
40.00	-24.04	-18.95	0.00	-1613.2	0.00	1613.20	5706.45	2853.23	11321.0	5668.93	3.55	-0.832	0.000	0.289
45.00	-22.80	-18.47	0.00	-1518.4	0.00	1518.42	5623.92	2811.96	10994.2	5505.32	4.47	-0.930	0.000	0.280
45.50	-22.67	-18.44	0.00	-1509.1	0.00	1509.19	5615.67	2807.83	10961.8	5489.09	4.57	-0.940	0.000	0.279
50.00	-20.78	-17.99	0.00	-1426.2	0.00	1426.20	5541.39	2770.70	10672.3	5344.09	5.50	-1.027	0.000	0.271
52.75	-19.63	-17.71	0.00	-1376.7	0.00	1376.73	3896.09	1948.05	7602.46	3806.88	6.11	-1.080	0.000	0.367
55.00	-19.20	-17.51	0.00	-1336.8	0.00	1336.87	3879.06	1939.53	7518.61	3764.89	6.63	-1.123	0.000	0.360
60.00	-18.27	-17.03	0.00	-1249.3	0.00	1249.34	3840.77	1920.38	7333.07	3671.98	7.87	-1.239	0.000	0.345
65.00	-17.35	-16.54	0.00	-1164.2	0.00	1164.21	3801.90	1900.95	7148.65	3579.64	9.23	-1.353	0.000	0.330
70.00	-16.45	-16.05	0.00	-1081.5	0.00	1081.52	3762.45	1881.23	6965.41	3487.88	10.70	-1.463	0.000	0.315
75.00	-15.56	-15.55	0.00	-1001.2	0.00	1001.28	3722.43	1861.21	6783.41	3396.75	12.29	-1.571	0.000	0.299
80.00	-14.69	-15.05	0.00	-923.52	0.00	923.52	3681.82	1840.91	6602.68	3306.25	13.99	-1.675	0.000	0.283
85.00	-13.83	-14.55	0.00	-848.25	0.00	848.25	3640.63	1820.31	6423.28	3216.42	15.80	-1.776	0.000	0.268
90.00	-13.00	-14.05	0.00	-775.48	0.00	775.48	3598.86	1799.43	6245.27	3127.28	17.71	-1.873	0.000	0.252
91.91	-12.68	-13.86	0.00	-748.66	0.00	748.66	3582.75	1791.37	6177.64	3093.41	18.47	-1.909	0.000	0.246
95.00	-11.81	-13.53	0.00	-705.83	0.00	705.83	3556.51	1778.25	6068.68	3038.85	19.73	-1.966	0.000	0.236
98.41	-10.87	-13.17	0.00	-659.68	0.00	659.68	2417.34	1208.67	4152.00	2079.09	21.15	-2.028	0.000	0.322
100.00	-10.66	-13.02	0.00	-638.74	0.00	638.74	2409.93	1204.97	4117.06	2061.59	21.83	-2.056	0.000	0.314
105.00	-10.04	-12.52	0.00	-573.65	0.00	573.65	2386.24	1193.12	4007.42	2006.69	24.04	-2.163	0.000	0.290
110.00	-9.43	-12.02	0.00	-511.05	0.00	511.05	2361.98	1180.99	3898.19	1951.99	26.36	-2.263	0.000	0.266
115.00	-8.83	-11.53	0.00	-450.94	0.00	450.94	2337.13	1168.56	3789.44	1897.54	28.78	-2.357	0.000	0.242
120.00	-8.24	-11.03	0.00	-393.32	0.00	393.32	2311.70	1155.85	3681.20	1843.33	31.30	-2.444	0.000	0.217
125.00	-7.67	-10.53	0.00	-338.17	0.00	338.17	2285.69	1142.85	3573.52	1789.42	33.90	-2.523	0.000	0.192
127.10	-7.44	-10.33	0.00	-316.08	0.00	316.08	2274.61	1137.31	3528.55	1766.90	35.02	-2.555	0.000	0.182
130.00	-6.88	-10.03	0.00	-286.09	0.00	286.09	2259.10	1129.55	3466.46	1735.81	36.58	-2.596	0.000	0.168
132.93	-6.32	-9.73	0.00	-256.69	0.00	256.69	1575.41	787.71	2427.26	1215.44	38.19	-2.634	0.000	0.215
135.00	-6.13	-9.53	0.00	-236.54	0.00	236.54	1569.59	784.79	2399.45	1201.51	39.34	-2.660	0.000	0.201
140.00	-5.70	-9.05	0.00	-188.87	0.00	188.87	1555.10	777.55	2332.23	1167.85	42.16	-2.727	0.000	0.166
145.00	-5.27	-8.57	0.00	-143.61	0.00	143.61	1540.04	770.02	2265.00	1134.18	45.04	-2.783	0.000	0.130
150.00	-4.86	-8.10	0.00	-100.75	0.00	100.75	1524.40	762.20	2197.80	1100.53	47.98	-2.826	0.000	0.095
155.00	-4.45	-7.63	0.00	-60.26	0.00	60.26	1508.17	754.09	2130.69	1066.93	50.96	-2.857	0.000	0.060
160.00	-1.28	-1.78	0.00	-22.13	0.00	22.13	1491.37	745.68	2063.72	1033.39	53.96	-2.873	0.000	0.022
165.00	-0.95	-1.33	0.00	-13.21	0.00	13.21	1473.98	736.99	1996.93	999.95	56.97	-2.881	0.000	0.014
170.00	-0.63	-0.88	0.00	-6.57	0.00	6.57	1456.02	728.01	1930.38	966.63	59.99	-2.885	0.000	0.007
175.00	-0.31	-0.44	0.00	-2.18	0.00	2.18	1437.47	718.73	1864.13	933.45	63.01	-2.887	0.000	0.003
180.00	0.00	-0.42	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44	66.04	-2.888	0.000	0.000

Wind Loading - Shaft

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

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	0.85	3.308	3.64	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	3.308	3.64	0.00	1.200	1.242	5.00	23.946	28.73	104.5	428.3	2166.5
10.00		1.00	0.85	3.308	3.64	0.00	1.200	1.331	5.00	23.724	28.47	103.6	453.9	2169.5
15.00		1.00	0.85	3.308	3.64	0.00	1.200	1.386	5.00	23.473	28.17	102.5	467.1	2160.0
20.00		1.00	0.90	3.509	3.86	0.00	1.200	1.427	5.00	23.211	27.85	107.5	474.8	2145.0
25.00		1.00	0.95	3.678	4.05	0.00	1.200	1.459	5.00	22.942	27.53	111.4	479.4	2127.0
30.00		1.00	0.98	3.822	4.20	0.00	1.200	1.486	5.00	22.668	27.20	114.4	482.0	2106.8
35.00		1.00	1.01	3.948	4.34	0.00	1.200	1.509	5.00	22.391	26.87	116.7	483.0	2085.2
40.00		1.00	1.04	4.061	4.47	0.00	1.200	1.529	5.00	22.112	26.53	118.5	483.0	2062.5
45.00		1.00	1.07	4.163	4.58	0.00	1.200	1.547	5.00	21.831	26.20	120.0	482.1	2038.9
45.50	Bot - Section 2	1.00	1.07	4.172	4.59	0.00	1.200	1.549	0.50	2.167	2.60	11.9	48.2	202.6
50.00		1.00	1.09	4.256	4.68	0.00	1.200	1.564	4.50	19.666	23.60	110.5	439.1	2872.7
52.75	Top - Section 1	1.00	1.11	4.304	4.73	0.00	1.200	1.572	2.75	11.904	14.28	67.6	267.7	1739.1
55.00		1.00	1.12	4.342	4.78	0.00	1.200	1.579	2.25	9.675	11.61	55.5	218.6	736.2
60.00		1.00	1.14	4.423	4.86	0.00	1.200	1.592	5.00	21.297	25.56	124.3	483.2	1621.0
65.00		1.00	1.16	4.498	4.95	0.00	1.200	1.605	5.00	21.012	25.21	124.7	480.1	1601.0
70.00		1.00	1.17	4.569	5.03	0.00	1.200	1.617	5.00	20.725	24.87	125.0	476.7	1580.6
75.00		1.00	1.19	4.635	5.10	0.00	1.200	1.628	5.00	20.439	24.53	125.1	473.0	1559.8
80.00		1.00	1.21	4.699	5.17	0.00	1.200	1.639	5.00	20.151	24.18	125.0	469.0	1538.8
85.00		1.00	1.22	4.759	5.24	0.00	1.200	1.649	5.00	19.863	23.84	124.8	464.7	1517.5
90.00		1.00	1.24	4.817	5.30	0.00	1.200	1.658	5.00	19.575	23.49	124.5	460.2	1496.0
91.91	Bot - Section 3	1.00	1.24	4.838	5.32	0.00	1.200	1.662	1.91	7.401	8.88	47.3	175.1	566.3
95.00		1.00	1.25	4.872	5.36	0.00	1.200	1.667	3.09	12.031	14.44	77.4	285.1	1390.8
98.41	Top - Section 2	1.00	1.26	4.908	5.40	0.00	1.200	1.673	3.41	13.149	15.78	85.2	312.4	1519.4
100.00		1.00	1.27	4.925	5.42	0.00	1.200	1.676	1.59	6.085	7.30	39.6	145.2	386.5
105.00		1.00	1.28	4.976	5.47	0.00	1.200	1.684	5.00	18.946	22.74	124.4	451.4	1201.9
110.00		1.00	1.29	5.025	5.53	0.00	1.200	1.692	5.00	18.656	22.39	123.7	446.1	1183.9
115.00		1.00	1.30	5.072	5.58	0.00	1.200	1.699	5.00	18.366	22.04	123.0	440.8	1165.8
120.00		1.00	1.32	5.117	5.63	0.00	1.200	1.707	5.00	18.076	21.69	122.1	435.2	1147.5
125.00		1.00	1.33	5.162	5.68	0.00	1.200	1.714	5.00	17.786	21.34	121.2	429.6	1129.1
127.10	Bot - Section 4	1.00	1.33	5.180	5.70	0.00	1.200	1.717	2.10	7.371	8.85	50.4	179.1	468.6
130.00		1.00	1.34	5.204	5.72	0.00	1.200	1.720	2.90	10.230	12.28	70.3	248.8	959.1
132.93	Top - Section 3	1.00	1.34	5.229	5.75	0.00	1.200	1.724	2.93	10.225	12.27	70.6	249.1	958.1
135.00		1.00	1.35	5.246	5.77	0.00	1.200	1.727	2.07	7.163	8.60	49.6	175.0	393.7
140.00		1.00	1.36	5.286	5.81	0.00	1.200	1.733	5.00	17.099	20.52	119.3	416.6	938.0
145.00		1.00	1.37	5.325	5.86	0.00	1.200	1.739	5.00	16.808	20.17	118.2	410.5	922.0
150.00		1.00	1.38	5.364	5.90	0.00	1.200	1.745	5.00	16.517	19.82	116.9	404.3	905.8
155.00		1.00	1.39	5.401	5.94	0.00	1.200	1.751	5.00	16.225	19.47	115.7	398.0	889.6
160.00	Appurtenance(s)	1.00	1.40	5.437	5.98	0.00	1.200	1.757	5.00	15.934	19.12	114.4	391.6	873.3
165.00		1.00	1.41	5.472	6.02	0.00	1.200	1.762	5.00	15.642	18.77	113.0	385.2	856.9
170.00		1.00	1.42	5.507	6.06	0.00	1.200	1.767	5.00	15.350	18.42	111.6	378.6	840.5
175.00		1.00	1.42	5.541	6.09	0.00	1.200	1.772	5.00	15.058	18.07	110.1	372.0	823.9
180.00		1.00	1.43	5.574	6.13	0.00	1.200	1.777	5.00	14.766	17.72	108.6	365.3	807.3
								Totals:	**180.00**			**4,250.3**		**55,854.9**

Discrete Appurtenance Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	160.00	Low Profile Platform	1	5.437	5.981	1.00	1.00	39.78	2817.39	0.000	0.000	237.89	0.00	0.00
2	160.00	(1) Handrail Kit Site Pro	1	5.437	5.981	1.00	1.00	16.31	-457.88	0.000	0.000	97.53	0.00	0.00
3	160.00	(1) Reinforcement Kit Site	1	5.437	5.981	1.00	1.00	21.46	-870.37	0.000	0.000	128.35	0.00	0.00
4	160.00	Commscope	6	5.437	5.981	0.91	0.80	55.18	2738.20	0.000	0.000	329.99	0.00	0.00
5	160.00	Samsung MT6407-77A	3	5.437	5.981	0.57	0.80	9.52	823.08	0.000	0.000	56.94	0.00	0.00
6	160.00	Samsung B2/B66A	3	5.437	5.981	0.68	0.80	4.95	620.81	0.000	0.000	29.63	0.00	0.00
7	160.00	Samsung B5/B13	3	5.437	5.981	0.63	0.80	4.60	519.94	0.000	0.000	27.53	0.00	0.00
8	160.00	Commscope	1	5.437	5.981	0.58	0.80	1.47	134.90	0.000	0.000	8.77	0.00	0.00
9	160.00	RFS DB-C1-12C-24AB-OZ	1	5.437	5.981	0.71	0.80	3.48	155.27	0.000	0.000	20.79	0.00	0.00
							Totals:		**6,481.34**			**937.42**		

Total Applied Force Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

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		104.54	2241.77	0.00	0.00
10.00		103.58	2244.73	0.00	0.00
15.00		102.48	2235.22	0.00	0.00
20.00		107.52	2220.27	0.00	0.00
25.00		111.39	2202.19	0.00	0.00
30.00		114.36	2182.06	0.00	0.00
35.00		116.69	2160.46	0.00	0.00
40.00		118.52	2137.76	0.00	0.00
45.00		119.96	2114.19	0.00	0.00
45.50		11.93	210.16	0.00	0.00
50.00		110.48	2940.44	0.00	0.00
52.75		67.63	1780.51	0.00	0.00
55.00		55.46	770.04	0.00	0.00
60.00		124.33	1696.26	0.00	0.00
65.00		124.75	1676.22	0.00	0.00
70.00		124.98	1655.80	0.00	0.00
75.00		125.06	1635.06	0.00	0.00
80.00		124.98	1614.03	0.00	0.00
85.00		124.78	1592.74	0.00	0.00
90.00		124.46	1571.22	0.00	0.00
91.91		47.26	595.04	0.00	0.00
95.00		77.37	1437.30	0.00	0.00
98.41		85.19	1570.68	0.00	0.00
100.00		39.55	410.42	0.00	0.00
105.00		124.43	1277.15	0.00	0.00
110.00		123.74	1259.16	0.00	0.00
115.00		122.96	1241.01	0.00	0.00
120.00		122.11	1222.72	0.00	0.00
125.00		121.18	1204.30	0.00	0.00
127.10		50.40	500.20	0.00	0.00
130.00		70.28	1002.78	0.00	0.00
132.93		70.57	1002.22	0.00	0.00
135.00		49.60	424.86	0.00	0.00
140.00		119.31	1013.23	0.00	0.00
145.00		118.15	997.20	0.00	0.00
150.00		116.94	981.08	0.00	0.00
155.00		115.67	964.87	0.00	0.00
160.00	(20) attachments	1051.77	7429.91	0.00	0.00
165.00		112.99	856.94	0.00	0.00
170.00		111.58	840.48	0.00	0.00
175.00		110.13	823.94	0.00	0.00
180.00		108.64	807.32	0.00	0.00
	Totals:	**5,187.74**	**64,743.96**	**0.00**	**0.00**

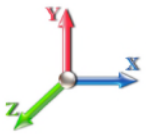
Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

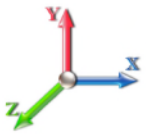


Iterations 23

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	-64.74	-5.20	0.00	-570.40	0.00	570.40	6205.05	3102.52	13749.1	6884.77	0.00	0.000	0.000	0.093
5.00	-62.50	-5.12	0.00	-544.39	0.00	544.39	6146.71	3073.36	13441.6	6730.83	0.01	-0.025	0.000	0.091
10.00	-60.25	-5.04	0.00	-518.77	0.00	518.77	6087.80	3043.90	13136.3	6577.95	0.05	-0.050	0.000	0.089
15.00	-58.01	-4.96	0.00	-493.55	0.00	493.55	6028.30	3014.15	12833.2	6426.17	0.12	-0.075	0.000	0.086
20.00	-55.79	-4.88	0.00	-468.73	0.00	468.73	5968.23	2984.11	12532.3	6275.50	0.21	-0.099	0.000	0.084
25.00	-53.59	-4.78	0.00	-444.34	0.00	444.34	5907.57	2953.79	12233.7	6125.97	0.33	-0.123	0.000	0.082
30.00	-51.40	-4.69	0.00	-420.42	0.00	420.42	5846.34	2923.17	11937.4	5977.61	0.47	-0.147	0.000	0.079
35.00	-49.24	-4.58	0.00	-396.99	0.00	396.99	5784.52	2892.26	11643.5	5830.45	0.64	-0.171	0.000	0.077
40.00	-47.10	-4.48	0.00	-374.08	0.00	374.08	5706.45	2853.23	11321.0	5668.93	0.83	-0.194	0.000	0.074
45.00	-44.99	-4.36	0.00	-351.69	0.00	351.69	5623.92	2811.96	10994.2	5505.32	1.04	-0.216	0.000	0.072
45.50	-44.78	-4.35	0.00	-349.51	0.00	349.51	5615.67	2807.83	10961.8	5489.09	1.06	-0.219	0.000	0.072
50.00	-41.84	-4.24	0.00	-329.92	0.00	329.92	5541.39	2770.70	10672.3	5344.09	1.28	-0.239	0.000	0.069
52.75	-40.06	-4.18	0.00	-318.25	0.00	318.25	3896.09	1948.05	7602.46	3806.88	1.42	-0.251	0.000	0.094
55.00	-39.28	-4.13	0.00	-308.85	0.00	308.85	3879.06	1939.53	7518.61	3764.89	1.54	-0.261	0.000	0.092
60.00	-37.59	-4.02	0.00	-288.20	0.00	288.20	3840.77	1920.38	7333.07	3671.98	1.83	-0.288	0.000	0.088
65.00	-35.91	-3.90	0.00	-268.12	0.00	268.12	3801.90	1900.95	7148.65	3579.64	2.15	-0.314	0.000	0.084
70.00	-34.25	-3.78	0.00	-248.63	0.00	248.63	3762.45	1881.23	6965.41	3487.88	2.49	-0.339	0.000	0.080
75.00	-32.62	-3.66	0.00	-229.73	0.00	229.73	3722.43	1861.21	6783.41	3396.75	2.86	-0.364	0.000	0.076
80.00	-31.00	-3.53	0.00	-211.44	0.00	211.44	3681.82	1840.91	6602.68	3306.25	3.25	-0.388	0.000	0.072
85.00	-29.41	-3.41	0.00	-193.77	0.00	193.77	3640.63	1820.31	6423.28	3216.42	3.67	-0.411	0.000	0.068
90.00	-27.84	-3.28	0.00	-176.72	0.00	176.72	3598.86	1799.43	6245.27	3127.28	4.11	-0.433	0.000	0.064
91.91	-27.24	-3.24	0.00	-170.45	0.00	170.45	3582.75	1791.37	6177.64	3093.41	4.29	-0.441	0.000	0.063
95.00	-25.81	-3.15	0.00	-160.45	0.00	160.45	3556.51	1778.25	6068.68	3038.85	4.58	-0.454	0.000	0.060
98.41	-24.24	-3.06	0.00	-149.70	0.00	149.70	2417.34	1208.67	4152.00	2079.09	4.91	-0.468	0.000	0.082
100.00	-23.82	-3.02	0.00	-144.84	0.00	144.84	2409.93	1204.97	4117.06	2061.59	5.06	-0.475	0.000	0.080
105.00	-22.55	-2.90	0.00	-129.73	0.00	129.73	2386.24	1193.12	4007.42	2006.69	5.57	-0.499	0.000	0.074
110.00	-21.29	-2.77	0.00	-115.25	0.00	115.25	2361.98	1180.99	3898.19	1951.99	6.11	-0.522	0.000	0.068
115.00	-20.05	-2.64	0.00	-101.40	0.00	101.40	2337.13	1168.56	3789.44	1897.54	6.67	-0.543	0.000	0.062
120.00	-18.83	-2.51	0.00	-88.19	0.00	88.19	2311.70	1155.85	3681.20	1843.33	7.25	-0.562	0.000	0.056
125.00	-17.62	-2.39	0.00	-75.61	0.00	75.61	2285.69	1142.85	3573.52	1789.42	7.84	-0.580	0.000	0.050
127.10	-17.12	-2.33	0.00	-70.61	0.00	70.61	2274.61	1137.31	3528.55	1766.90	8.10	-0.587	0.000	0.047
130.00	-16.12	-2.25	0.00	-63.84	0.00	63.84	2259.10	1129.55	3466.46	1735.81	8.46	-0.596	0.000	0.044
132.93	-15.12	-2.17	0.00	-57.24	0.00	57.24	1575.41	787.71	2427.26	1215.44	8.83	-0.605	0.000	0.057
135.00	-14.69	-2.12	0.00	-52.74	0.00	52.74	1569.59	784.79	2399.45	1201.51	9.09	-0.610	0.000	0.053
140.00	-13.68	-2.00	0.00	-42.12	0.00	42.12	1555.10	777.55	2332.23	1167.85	9.74	-0.626	0.000	0.045
145.00	-12.68	-1.87	0.00	-32.14	0.00	32.14	1540.04	770.02	2265.00	1134.18	10.40	-0.638	0.000	0.037
150.00	-11.70	-1.74	0.00	-22.79	0.00	22.79	1524.40	762.20	2197.80	1100.53	11.08	-0.648	0.000	0.028
155.00	-10.74	-1.62	0.00	-14.07	0.00	14.07	1508.17	754.09	2130.69	1066.93	11.76	-0.655	0.000	0.020
160.00	-3.32	-0.48	0.00	-5.98	0.00	5.98	1491.37	745.68	2063.72	1033.39	12.45	-0.659	0.000	0.008
165.00	-2.47	-0.36	0.00	-3.57	0.00	3.57	1473.98	736.99	1996.93	999.95	13.14	-0.661	0.000	0.005
170.00	-1.63	-0.24	0.00	-1.78	0.00	1.78	1456.02	728.01	1930.38	966.63	13.83	-0.662	0.000	0.003
175.00	-0.81	-0.12	0.00	-0.59	0.00	0.59	1437.47	718.73	1864.13	933.45	14.52	-0.663	0.000	0.001
180.00	0.00	-0.11	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44	15.22	-0.663	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Load Case:	1.2D + 1.0E							**Iterations**	22
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)**	0.36	**SA**	0.04			**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		1448.5	0.00	0.03	0.02	21.67	
10.00		1429.6	0.01	0.05	0.03	32.55	
15.00		1410.7	0.01	0.06	0.03	38.25	
20.00		1391.8	0.02	0.07	0.04	41.18	
25.00		1372.9	0.04	0.07	0.04	42.63	
30.00		1354.0	0.05	0.07	0.04	43.34	
35.00		1335.1	0.07	0.07	0.04	43.74	
40.00		1316.2	0.09	0.07	0.04	44.03	
45.00		1297.3	0.12	0.07	0.03	44.26	
45.50	Bot - Section 2	128.70	0.12	0.07	0.03	4.40	
50.00		2028.0	0.15	0.07	0.03	70.40	
52.75	Top - Section 1	1226.1	0.16	0.07	0.03	42.87	
55.00		431.32	0.18	0.07	0.03	15.13	
60.00		948.21	0.21	0.06	0.02	33.20	
65.00		934.03	0.25	0.06	0.02	31.93	
70.00		919.86	0.29	0.05	0.01	29.65	
75.00		905.68	0.33	0.04	0.01	26.06	
80.00		891.51	0.37	0.03	0.01	20.95	
85.00		877.33	0.42	0.01	0.01	14.26	
90.00		863.16	0.47	-0.01	0.01	6.26	
91.91	Bot - Section 3	325.98	0.49	-0.01	0.01	1.14	
95.00		921.41	0.53	-0.03	0.01	-2.59	
98.41	Top - Section 2	1005.8	0.56	-0.04	0.01	-9.81	
100.00		201.12	0.58	-0.05	0.01	-2.59	
105.00		625.44	0.64	-0.07	0.02	-13.61	
110.00		614.81	0.71	-0.09	0.03	-17.45	
115.00		604.18	0.77	-0.11	0.05	-19.37	
120.00		593.55	0.84	-0.12	0.07	-19.25	
125.00		582.92	0.91	-0.12	0.09	-17.09	
127.10	Bot - Section 4	241.27	0.94	-0.12	0.10	-6.51	
130.00		591.90	0.99	-0.11	0.12	-13.46	
132.93	Top - Section 3	590.87	1.03	-0.10	0.15	-10.21	
135.00		182.29	1.06	-0.09	0.17	-2.32	
140.00		434.48	1.14	-0.04	0.21	0.34	
145.00		426.21	1.23	0.03	0.27	7.54	
150.00		417.94	1.31	0.14	0.35	15.91	
155.00		409.67	1.40	0.29	0.43	25.37	
160.00	Appurtenance(s)	3781.1	1.49	0.48	0.53	337.73	
165.00		393.14	1.59	0.74	0.65	47.30	
170.00		384.87	1.69	1.07	0.79	59.63	
175.00		376.60	1.79	1.48	0.95	72.80	
180.00		368.33	1.89	1.98	1.14	86.72	
	Totals:	**36,584.5**				**1,167.0**	**Total Wind:** **22,159.8**

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

Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

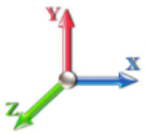
Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.36	**SA**	0.04	**Seismic Importance Factor**			1.00

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	-46.31	-1.30	0.00	-140.02	0.00	140.02	6205.05	3102.52	13749.1	6884.77		0.00	0.00	0.028
5.00	-44.50	-1.29	0.00	-133.50	0.00	133.50	6146.71	3073.36	13441.6	6730.83		0.00	-0.01	0.027
10.00	-42.70	-1.26	0.00	-127.07	0.00	127.07	6087.80	3043.90	13136.3	6577.95		0.01	-0.01	0.026
15.00	-40.94	-1.22	0.00	-120.78	0.00	120.78	6028.30	3014.15	12833.2	6426.17		0.03	-0.02	0.026
20.00	-39.19	-1.19	0.00	-114.67	0.00	114.67	5968.23	2984.11	12532.3	6275.50		0.05	-0.02	0.025
25.00	-37.47	-1.15	0.00	-108.74	0.00	108.74	5907.57	2953.79	12233.7	6125.97		0.08	-0.03	0.024
30.00	-35.77	-1.11	0.00	-103.01	0.00	103.01	5846.34	2923.17	11937.4	5977.61		0.11	-0.04	0.023
35.00	-34.09	-1.06	0.00	-97.48	0.00	97.48	5784.52	2892.26	11643.5	5830.45		0.16	-0.04	0.023
40.00	-32.44	-1.02	0.00	-92.16	0.00	92.16	5706.45	2853.23	11321.0	5668.93		0.20	-0.05	0.022
45.00	-30.80	-0.98	0.00	-87.05	0.00	87.05	5623.92	2811.96	10994.2	5505.32		0.26	-0.05	0.021
45.50	-30.64	-0.97	0.00	-86.57	0.00	86.57	5615.67	2807.83	10961.8	5489.09		0.26	-0.05	0.021
50.00	-28.14	-0.90	0.00	-82.18	0.00	82.18	5541.39	2770.70	10672.3	5344.09		0.31	-0.06	0.020
52.75	-26.63	-0.86	0.00	-79.69	0.00	79.69	3896.09	1948.05	7602.46	3806.88		0.35	-0.06	0.028
55.00	-26.08	-0.85	0.00	-77.76	0.00	77.76	3879.06	1939.53	7518.61	3764.89		0.38	-0.06	0.027
60.00	-24.86	-0.82	0.00	-73.52	0.00	73.52	3840.77	1920.38	7333.07	3671.98		0.45	-0.07	0.026
65.00	-23.67	-0.78	0.00	-69.45	0.00	69.45	3801.90	1900.95	7148.65	3579.64		0.53	-0.08	0.026
70.00	-22.49	-0.76	0.00	-65.52	0.00	65.52	3762.45	1881.23	6965.41	3487.88		0.61	-0.08	0.025
75.00	-21.33	-0.73	0.00	-61.74	0.00	61.74	3722.43	1861.21	6783.41	3396.75		0.70	-0.09	0.024
80.00	-20.18	-0.71	0.00	-58.09	0.00	58.09	3681.82	1840.91	6602.68	3306.25		0.80	-0.10	0.023
85.00	-19.05	-0.70	0.00	-54.54	0.00	54.54	3640.63	1820.31	6423.28	3216.42		0.91	-0.10	0.022
90.00	-17.94	-0.69	0.00	-51.06	0.00	51.06	3598.86	1799.43	6245.27	3127.28		1.02	-0.11	0.021
91.91	-17.52	-0.69	0.00	-49.75	0.00	49.75	3582.75	1791.37	6177.64	3093.41		1.06	-0.11	0.021
95.00	-16.37	-0.69	0.00	-47.62	0.00	47.62	3556.51	1778.25	6068.68	3038.85		1.14	-0.12	0.020
98.41	-15.11	-0.68	0.00	-45.28	0.00	45.28	2417.34	1208.67	4152.00	2079.09		1.22	-0.12	0.028
100.00	-14.84	-0.69	0.00	-44.19	0.00	44.19	2409.93	1204.97	4117.06	2061.59		1.26	-0.12	0.028
105.00	-14.02	-0.69	0.00	-40.76	0.00	40.76	2386.24	1193.12	4007.42	2006.69		1.40	-0.13	0.026
110.00	-13.21	-0.69	0.00	-37.34	0.00	37.34	2361.98	1180.99	3898.19	1951.99		1.54	-0.14	0.025
115.00	-12.41	-0.68	0.00	-33.91	0.00	33.91	2337.13	1168.56	3789.44	1897.54		1.68	-0.14	0.023
120.00	-11.62	-0.68	0.00	-30.49	0.00	30.49	2311.70	1155.85	3681.20	1843.33		1.84	-0.15	0.022
125.00	-10.84	-0.68	0.00	-27.07	0.00	27.07	2285.69	1142.85	3573.52	1789.42		2.00	-0.16	0.020
127.10	-10.52	-0.68	0.00	-25.63	0.00	25.63	2274.61	1137.31	3528.55	1766.90		2.07	-0.16	0.019
130.00	-9.77	-0.68	0.00	-23.65	0.00	23.65	2259.10	1129.55	3466.46	1735.81		2.17	-0.16	0.018
132.93	-9.02	-0.68	0.00	-21.66	0.00	21.66	1575.41	787.71	2427.26	1215.44		2.27	-0.17	0.024
135.00	-8.77	-0.68	0.00	-20.25	0.00	20.25	1569.59	784.79	2399.45	1201.51		2.34	-0.17	0.022
140.00	-8.17	-0.68	0.00	-16.85	0.00	16.85	1555.10	777.55	2332.23	1167.85		2.52	-0.17	0.020
145.00	-7.58	-0.67	0.00	-13.46	0.00	13.46	1540.04	770.02	2265.00	1134.18		2.71	-0.18	0.017
150.00	-7.00	-0.65	0.00	-10.12	0.00	10.12	1524.40	762.20	2197.80	1100.53		2.90	-0.18	0.014
155.00	-6.44	-0.63	0.00	-6.86	0.00	6.86	1508.17	754.09	2130.69	1066.93		3.09	-0.19	0.011
160.00	-1.83	-0.27	0.00	-3.73	0.00	3.73	1491.37	745.68	2063.72	1033.39		3.29	-0.19	0.005
165.00	-1.36	-0.22	0.00	-2.37	0.00	2.37	1473.98	736.99	1996.93	999.95		3.48	-0.19	0.003
170.00	-0.89	-0.16	0.00	-1.25	0.00	1.25	1456.02	728.01	1930.38	966.63		3.68	-0.19	0.002
175.00	-0.44	-0.09	0.00	-0.44	0.00	0.44	1437.47	718.73	1864.13	933.45		3.88	-0.19	0.001
180.00	0.00	-0.09	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44		4.08	-0.19	0.000

Seismic Segment Forces (Factored)

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Load Case:	0.9D + 1.0E					**Iterations**	22
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)**	0.36	**SA**	0.04	**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		1448.5	0.00	0.03	0.02	21.67	
10.00		1429.6	0.01	0.05	0.03	32.55	
15.00		1410.7	0.01	0.06	0.03	38.25	
20.00		1391.8	0.02	0.07	0.04	41.18	
25.00		1372.9	0.04	0.07	0.04	42.63	
30.00		1354.0	0.05	0.07	0.04	43.34	
35.00		1335.1	0.07	0.07	0.04	43.74	
40.00		1316.2	0.09	0.07	0.04	44.03	
45.00		1297.3	0.12	0.07	0.03	44.26	
45.50	Bot - Section 2	128.70	0.12	0.07	0.03	4.40	
50.00		2028.0	0.15	0.07	0.03	70.40	
52.75	Top - Section 1	1226.1	0.16	0.07	0.03	42.87	
55.00		431.32	0.18	0.07	0.03	15.13	
60.00		948.21	0.21	0.06	0.02	33.20	
65.00		934.03	0.25	0.06	0.02	31.93	
70.00		919.86	0.29	0.05	0.01	29.65	
75.00		905.68	0.33	0.04	0.01	26.06	
80.00		891.51	0.37	0.03	0.01	20.95	
85.00		877.33	0.42	0.01	0.01	14.26	
90.00		863.16	0.47	-0.01	0.01	6.26	
91.91	Bot - Section 3	325.98	0.49	-0.01	0.01	1.14	
95.00		921.41	0.53	-0.03	0.01	-2.59	
98.41	Top - Section 2	1005.8	0.56	-0.04	0.01	-9.81	
100.00		201.12	0.58	-0.05	0.01	-2.59	
105.00		625.44	0.64	-0.07	0.02	-13.61	
110.00		614.81	0.71	-0.09	0.03	-17.45	
115.00		604.18	0.77	-0.11	0.05	-19.37	
120.00		593.55	0.84	-0.12	0.07	-19.25	
125.00		582.92	0.91	-0.12	0.09	-17.09	
127.10	Bot - Section 4	241.27	0.94	-0.12	0.10	-6.51	
130.00		591.90	0.99	-0.11	0.12	-13.46	
132.93	Top - Section 3	590.87	1.03	-0.10	0.15	-10.21	
135.00		182.29	1.06	-0.09	0.17	-2.32	
140.00		434.48	1.14	-0.04	0.21	0.34	
145.00		426.21	1.23	0.03	0.27	7.54	
150.00		417.94	1.31	0.14	0.35	15.91	
155.00		409.67	1.40	0.29	0.43	25.37	
160.00	Appurtenance(s)	3781.1	1.49	0.48	0.53	337.73	
165.00		393.14	1.59	0.74	0.65	47.30	
170.00		384.87	1.69	1.07	0.79	59.63	
175.00		376.60	1.79	1.48	0.95	72.80	
180.00		368.33	1.89	1.98	1.14	86.72	
	Totals:	**36,584.5**				**1,167.0**	**Total Wind:** **22,159.8**

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

Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case:	0.9D + 1.0E							**Iterations**	22
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)**	0.36	**SA**	0.04	**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	-34.73	-1.30	0.00	-138.90	0.00	138.90	6205.05	3102.52	13749.1	6884.77		0.00	0.00	0.026
5.00	-33.37	-1.28	0.00	-132.39	0.00	132.39	6146.71	3073.36	13441.6	6730.83		0.00	-0.01	0.025
10.00	-32.03	-1.25	0.00	-125.97	0.00	125.97	6087.80	3043.90	13136.3	6577.95		0.01	-0.01	0.024
15.00	-30.70	-1.22	0.00	-119.69	0.00	119.69	6028.30	3014.15	12833.2	6426.17		0.03	-0.02	0.024
20.00	-29.39	-1.18	0.00	-113.59	0.00	113.59	5968.23	2984.11	12532.3	6275.50		0.05	-0.02	0.023
25.00	-28.10	-1.14	0.00	-107.69	0.00	107.69	5907.57	2953.79	12233.7	6125.97		0.08	-0.03	0.022
30.00	-26.83	-1.10	0.00	-101.99	0.00	101.99	5846.34	2923.17	11937.4	5977.61		0.11	-0.04	0.022
35.00	-25.57	-1.06	0.00	-96.49	0.00	96.49	5784.52	2892.26	11643.5	5830.45		0.15	-0.04	0.021
40.00	-24.33	-1.01	0.00	-91.21	0.00	91.21	5706.45	2853.23	11321.0	5668.93		0.20	-0.05	0.020
45.00	-23.10	-0.97	0.00	-86.13	0.00	86.13	5623.92	2811.96	10994.2	5505.32		0.25	-0.05	0.020
45.50	-22.98	-0.97	0.00	-85.65	0.00	85.65	5615.67	2807.83	10961.8	5489.09		0.26	-0.05	0.020
50.00	-21.10	-0.90	0.00	-81.30	0.00	81.30	5541.39	2770.70	10672.3	5344.09		0.31	-0.06	0.019
52.75	-19.97	-0.85	0.00	-78.83	0.00	78.83	3896.09	1948.05	7602.46	3806.88		0.35	-0.06	0.026
55.00	-19.56	-0.84	0.00	-76.91	0.00	76.91	3879.06	1939.53	7518.61	3764.89		0.37	-0.06	0.025
60.00	-18.65	-0.81	0.00	-72.72	0.00	72.72	3840.77	1920.38	7333.07	3671.98		0.44	-0.07	0.025
65.00	-17.75	-0.78	0.00	-68.68	0.00	68.68	3801.90	1900.95	7148.65	3579.64		0.52	-0.08	0.024
70.00	-16.87	-0.75	0.00	-64.80	0.00	64.80	3762.45	1881.23	6965.41	3487.88		0.61	-0.08	0.023
75.00	-15.99	-0.72	0.00	-61.07	0.00	61.07	3722.43	1861.21	6783.41	3396.75		0.70	-0.09	0.022
80.00	-15.13	-0.70	0.00	-57.46	0.00	57.46	3681.82	1840.91	6602.68	3306.25		0.79	-0.10	0.021
85.00	-14.29	-0.69	0.00	-53.96	0.00	53.96	3640.63	1820.31	6423.28	3216.42		0.90	-0.10	0.021
90.00	-13.46	-0.68	0.00	-50.52	0.00	50.52	3598.86	1799.43	6245.27	3127.28		1.01	-0.11	0.020
91.91	-13.14	-0.68	0.00	-49.23	0.00	49.23	3582.75	1791.37	6177.64	3093.41		1.05	-0.11	0.020
95.00	-12.28	-0.68	0.00	-47.13	0.00	47.13	3556.51	1778.25	6068.68	3038.85		1.13	-0.12	0.019
98.41	-11.33	-0.68	0.00	-44.82	0.00	44.82	2417.34	1208.67	4152.00	2079.09		1.21	-0.12	0.026
100.00	-11.13	-0.68	0.00	-43.74	0.00	43.74	2409.93	1204.97	4117.06	2061.59		1.25	-0.12	0.026
105.00	-10.51	-0.68	0.00	-40.35	0.00	40.35	2386.24	1193.12	4007.42	2006.69		1.38	-0.13	0.025
110.00	-9.90	-0.68	0.00	-36.97	0.00	36.97	2361.98	1180.99	3898.19	1951.99		1.52	-0.14	0.023
115.00	-9.30	-0.68	0.00	-33.58	0.00	33.58	2337.13	1168.56	3789.44	1897.54		1.67	-0.14	0.022
120.00	-8.71	-0.68	0.00	-30.20	0.00	30.20	2311.70	1155.85	3681.20	1843.33		1.82	-0.15	0.020
125.00	-8.13	-0.68	0.00	-26.82	0.00	26.82	2285.69	1142.85	3573.52	1789.42		1.98	-0.16	0.019
127.10	-7.89	-0.67	0.00	-25.40	0.00	25.40	2274.61	1137.31	3528.55	1766.90		2.05	-0.16	0.018
130.00	-7.33	-0.67	0.00	-23.44	0.00	23.44	2259.10	1129.55	3466.46	1735.81		2.15	-0.16	0.017
132.93	-6.76	-0.67	0.00	-21.47	0.00	21.47	1575.41	787.71	2427.26	1215.44		2.25	-0.16	0.022
135.00	-6.57	-0.67	0.00	-20.08	0.00	20.08	1569.59	784.79	2399.45	1201.51		2.32	-0.17	0.021
140.00	-6.13	-0.67	0.00	-16.71	0.00	16.71	1555.10	777.55	2332.23	1167.85		2.49	-0.17	0.018
145.00	-5.69	-0.66	0.00	-13.36	0.00	13.36	1540.04	770.02	2265.00	1134.18		2.68	-0.18	0.015
150.00	-5.25	-0.65	0.00	-10.04	0.00	10.04	1524.40	762.20	2197.80	1100.53		2.87	-0.18	0.013
155.00	-4.83	-0.62	0.00	-6.81	0.00	6.81	1508.17	754.09	2130.69	1066.93		3.06	-0.18	0.010
160.00	-1.37	-0.27	0.00	-3.71	0.00	3.71	1491.37	745.68	2063.72	1033.39		3.25	-0.19	0.005
165.00	-1.02	-0.22	0.00	-2.36	0.00	2.36	1473.98	736.99	1996.93	999.95		3.45	-0.19	0.003
170.00	-0.67	-0.16	0.00	-1.25	0.00	1.25	1456.02	728.01	1930.38	966.63		3.65	-0.19	0.002
175.00	-0.33	-0.09	0.00	-0.44	0.00	0.44	1437.47	718.73	1864.13	933.45		3.85	-0.19	0.001
180.00	0.00	-0.09	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44		4.04	-0.19	0.000

Wind Loading - Shaft

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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	0.85	7.442	8.19	255.11	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	251.83	0.650	0.000	5.00	22.911	14.89	121.9	0.0	1448.6
10.00		1.00	0.85	7.442	8.19	248.56	0.650	0.000	5.00	22.614	14.70	120.3	0.0	1429.7
15.00		1.00	0.85	7.442	8.19	245.28	0.650	0.000	5.00	22.318	14.51	118.8	0.0	1410.8
20.00		1.00	0.90	7.896	8.69	249.28	0.650	0.000	5.00	22.022	14.31	124.3	0.0	1391.9
25.00		1.00	0.95	8.276	9.10	251.75	0.650	0.000	5.00	21.726	14.12	128.6	0.0	1373.0
30.00		1.00	0.98	8.600	9.46	253.10	0.650	0.000	5.00	21.430	13.93	131.8	0.0	1354.1
35.00		1.00	1.01	8.883	9.77	253.66	0.650	0.000	5.00	21.134	13.74	134.2	0.0	1335.2
40.00		1.00	1.04	9.137	10.05	253.62	0.650	0.000	5.00	20.837	13.54	136.1	0.0	1316.3
45.00		1.00	1.07	9.366	10.30	253.11	0.650	0.000	5.00	20.541	13.35	137.6	0.0	1297.4
45.50	Bot - Section 2	1.00	1.07	9.388	10.33	253.04	0.650	0.000	0.50	2.038	1.32	13.7	0.0	128.7
50.00		1.00	1.09	9.576	10.53	252.22	0.650	0.000	4.50	18.493	12.02	126.6	0.0	2028.0
52.75	Top - Section 1	1.00	1.11	9.685	10.65	251.59	0.650	0.000	2.75	11.183	7.27	77.4	0.0	1226.2
55.00		1.00	1.12	9.770	10.75	255.03	0.650	0.000	2.25	9.083	5.90	63.5	0.0	431.3
60.00		1.00	1.14	9.951	10.95	253.59	0.650	0.000	5.00	19.970	12.98	142.1	0.0	948.2
65.00		1.00	1.16	10.120	11.13	251.91	0.650	0.000	5.00	19.674	12.79	142.4	0.0	934.0
70.00		1.00	1.17	10.279	11.31	250.03	0.650	0.000	5.00	19.378	12.60	142.4	0.0	919.9
75.00		1.00	1.19	10.430	11.47	247.98	0.650	0.000	5.00	19.082	12.40	142.3	0.0	905.7
80.00		1.00	1.21	10.572	11.63	245.76	0.650	0.000	5.00	18.785	12.21	142.0	0.0	891.5
85.00		1.00	1.22	10.708	11.78	243.41	0.650	0.000	5.00	18.489	12.02	141.6	0.0	877.3
90.00		1.00	1.24	10.838	11.92	240.92	0.650	0.000	5.00	18.193	11.83	141.0	0.0	863.2
91.91	Bot - Section 3	1.00	1.24	10.886	11.97	239.94	0.650	0.000	1.91	6.872	4.47	53.5	0.0	326.0
95.00		1.00	1.25	10.962	12.06	238.32	0.650	0.000	3.09	11.172	7.26	87.6	0.0	921.4
98.41	Top - Section 2	1.00	1.26	11.043	12.15	236.48	0.650	0.000	3.41	12.198	7.93	96.3	0.0	1005.8
100.00		1.00	1.27	11.081	12.19	238.82	0.650	0.000	1.59	5.641	3.67	44.7	0.0	201.1
105.00		1.00	1.28	11.195	12.31	236.03	0.650	0.000	5.00	17.543	11.40	140.4	0.0	625.4
110.00		1.00	1.29	11.305	12.44	233.15	0.650	0.000	5.00	17.246	11.21	139.4	0.0	614.8
115.00		1.00	1.30	11.412	12.55	230.19	0.650	0.000	5.00	16.950	11.02	138.3	0.0	604.2
120.00		1.00	1.32	11.514	12.67	227.15	0.650	0.000	5.00	16.654	10.83	137.1	0.0	593.5
125.00		1.00	1.33	11.614	12.78	224.03	0.650	0.000	5.00	16.358	10.63	135.8	0.0	582.9
127.10	Bot - Section 4	1.00	1.33	11.654	12.82	222.71	0.650	0.000	2.10	6.771	4.40	56.4	0.0	241.3
130.00		1.00	1.34	11.710	12.88	220.85	0.650	0.000	2.90	9.398	6.11	78.7	0.0	591.9
132.93	Top - Section 3	1.00	1.34	11.765	12.94	218.95	0.650	0.000	2.93	9.383	6.10	78.9	0.0	590.9
135.00		1.00	1.35	11.803	12.98	220.18	0.650	0.000	2.07	6.568	4.27	55.4	0.0	182.3
140.00		1.00	1.36	11.894	13.08	216.88	0.650	0.000	5.00	15.654	10.18	133.1	0.0	434.5
145.00		1.00	1.37	11.982	13.18	213.53	0.650	0.000	5.00	15.358	9.98	131.6	0.0	426.2
150.00		1.00	1.38	12.068	13.27	210.12	0.650	0.000	5.00	15.062	9.79	130.0	0.0	417.9
155.00		1.00	1.39	12.152	13.37	206.66	0.650	0.000	5.00	14.766	9.60	128.3	0.0	409.7
160.00	Appurtenance(s)	1.00	1.40	12.233	13.46	203.15	0.650	0.000	5.00	14.470	9.41	126.6	0.0	401.4
165.00		1.00	1.41	12.313	13.54	199.59	0.650	0.000	5.00	14.174	9.21	124.8	0.0	393.1
170.00		1.00	1.42	12.390	13.63	195.99	0.650	0.000	5.00	13.877	9.02	122.9	0.0	384.9
175.00		1.00	1.42	12.466	13.71	192.35	0.650	0.000	5.00	13.581	8.83	121.1	0.0	376.6
180.00		1.00	1.43	12.540	13.79	188.67	0.650	0.000	5.00	13.285	8.64	119.1	0.0	368.3
								Totals:	**180.00**			**4,808.5**		**33,204.8**

Discrete Appurtenance Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	160.00	Low Profile Platform	1	12.233	13.457	1.00	1.00	22.00	1500.00	0.000	0.000	296.04	0.00	0.00
2	160.00	(1) Handrail Kit Site Pro	1	12.233	13.457	1.00	1.00	9.02	436.00	0.000	0.000	121.38	0.00	0.00
3	160.00	(1) Reinforcement Kit Site	1	12.233	13.457	1.00	1.00	11.87	302.00	0.000	0.000	159.73	0.00	0.00
4	160.00	Commscope	6	12.233	13.457	0.91	0.80	47.93	331.44	0.000	0.000	645.04	0.00	0.00
5	160.00	Samsung MT6407-77A	3	12.233	13.457	0.60	0.80	8.42	261.30	0.000	0.000	113.36	0.00	0.00
6	160.00	Samsung B2/B66A	3	12.233	13.457	0.66	0.80	3.74	253.20	0.000	0.000	50.39	0.00	0.00
7	160.00	Samsung B5/B13	3	12.233	13.457	0.62	0.80	3.47	210.90	0.000	0.000	46.75	0.00	0.00
8	160.00	Commscope	1	12.233	13.457	0.57	0.80	1.11	52.90	0.000	0.000	14.98	0.00	0.00
9	160.00	RFS DB-C1-12C-24AB-OZ	1	12.233	13.457	0.70	0.80	2.86	32.00	0.000	0.000	38.46	0.00	0.00
							Totals:		**3,379.74**			**1,486.14**		

Total Applied Force Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

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		121.91	1511.25	0.00	0.00
10.00		120.33	1492.35	0.00	0.00
15.00		118.75	1473.45	0.00	0.00
20.00		124.33	1454.55	0.00	0.00
25.00		128.56	1435.65	0.00	0.00
30.00		131.77	1416.75	0.00	0.00
35.00		134.23	1397.85	0.00	0.00
40.00		136.13	1378.95	0.00	0.00
45.00		137.56	1360.05	0.00	0.00
45.50		13.68	134.97	0.00	0.00
50.00		126.62	2084.45	0.00	0.00
52.75		77.44	1260.64	0.00	0.00
55.00		63.45	459.53	0.00	0.00
60.00		142.09	1010.91	0.00	0.00
65.00		142.36	996.73	0.00	0.00
70.00		142.42	982.56	0.00	0.00
75.00		142.29	968.38	0.00	0.00
80.00		142.00	954.21	0.00	0.00
85.00		141.56	940.03	0.00	0.00
90.00		140.98	925.86	0.00	0.00
91.91		53.48	349.94	0.00	0.00
95.00		87.57	960.16	0.00	0.00
98.41		96.32	1048.59	0.00	0.00
100.00		44.69	221.06	0.00	0.00
105.00		140.42	688.14	0.00	0.00
110.00		139.41	677.51	0.00	0.00
115.00		138.30	666.88	0.00	0.00
120.00		137.11	656.25	0.00	0.00
125.00		135.83	645.62	0.00	0.00
127.10		56.42	267.56	0.00	0.00
130.00		78.69	628.30	0.00	0.00
132.93		78.93	627.61	0.00	0.00
135.00		55.43	208.25	0.00	0.00
140.00		133.13	497.18	0.00	0.00
145.00		131.58	488.91	0.00	0.00
150.00		129.97	480.64	0.00	0.00
155.00		128.29	472.37	0.00	0.00
160.00	(20) attachments	1612.70	3843.84	0.00	0.00
165.00		124.78	393.14	0.00	0.00
170.00		122.94	384.87	0.00	0.00
175.00		121.06	376.60	0.00	0.00
180.00		119.12	368.33	0.00	0.00
	Totals:	**6,294.62**	**38,590.92**	**0.00**	**0.00**

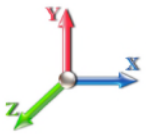
Calculated Forces

Structure:	CT22102-A	**Code:**	EIA/TIA-222-G	7/26/2021	
Site Name:	Town of Norfolk DPW site	**Exposure:**	C		
Height:	180.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

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	-38.59	-6.30	0.00	-697.10	0.00	697.10	6205.05	3102.52	13749.1	6884.77	0.00	0.000	0.000	0.107
5.00	-37.07	-6.20	0.00	-665.58	0.00	665.58	6146.71	3073.36	13441.6	6730.83	0.02	-0.031	0.000	0.105
10.00	-35.58	-6.10	0.00	-634.57	0.00	634.57	6087.80	3043.90	13136.3	6577.95	0.07	-0.061	0.000	0.102
15.00	-34.10	-6.00	0.00	-604.08	0.00	604.08	6028.30	3014.15	12833.2	6426.17	0.15	-0.091	0.000	0.100
20.00	-32.65	-5.89	0.00	-574.10	0.00	574.10	5968.23	2984.11	12532.3	6275.50	0.26	-0.121	0.000	0.097
25.00	-31.21	-5.77	0.00	-544.67	0.00	544.67	5907.57	2953.79	12233.7	6125.97	0.40	-0.151	0.000	0.094
30.00	-29.79	-5.65	0.00	-515.82	0.00	515.82	5846.34	2923.17	11937.4	5977.61	0.57	-0.180	0.000	0.091
35.00	-28.39	-5.52	0.00	-487.57	0.00	487.57	5784.52	2892.26	11643.5	5830.45	0.78	-0.209	0.000	0.089
40.00	-27.01	-5.40	0.00	-459.95	0.00	459.95	5706.45	2853.23	11321.0	5668.93	1.01	-0.237	0.000	0.086
45.00	-25.65	-5.26	0.00	-432.96	0.00	432.96	5623.92	2811.96	10994.2	5505.32	1.28	-0.265	0.000	0.083
45.50	-25.51	-5.25	0.00	-430.33	0.00	430.33	5615.67	2807.83	10961.8	5489.09	1.30	-0.268	0.000	0.083
50.00	-23.42	-5.12	0.00	-406.70	0.00	406.70	5541.39	2770.70	10672.3	5344.09	1.57	-0.293	0.000	0.080
52.75	-22.16	-5.04	0.00	-392.61	0.00	392.61	3896.09	1948.05	7602.46	3806.88	1.74	-0.308	0.000	0.109
55.00	-21.70	-4.99	0.00	-381.27	0.00	381.27	3879.06	1939.53	7518.61	3764.89	1.89	-0.320	0.000	0.107
60.00	-20.69	-4.85	0.00	-356.33	0.00	356.33	3840.77	1920.38	7333.07	3671.98	2.24	-0.353	0.000	0.102
65.00	-19.69	-4.71	0.00	-332.08	0.00	332.08	3801.90	1900.95	7148.65	3579.64	2.63	-0.386	0.000	0.098
70.00	-18.71	-4.57	0.00	-308.52	0.00	308.52	3762.45	1881.23	6965.41	3487.88	3.05	-0.417	0.000	0.093
75.00	-17.74	-4.43	0.00	-285.65	0.00	285.65	3722.43	1861.21	6783.41	3396.75	3.50	-0.448	0.000	0.089
80.00	-16.78	-4.29	0.00	-263.48	0.00	263.48	3681.82	1840.91	6602.68	3306.25	3.99	-0.478	0.000	0.084
85.00	-15.84	-4.15	0.00	-242.02	0.00	242.02	3640.63	1820.31	6423.28	3216.42	4.50	-0.506	0.000	0.080
90.00	-14.91	-4.01	0.00	-221.27	0.00	221.27	3598.86	1799.43	6245.27	3127.28	5.05	-0.534	0.000	0.075
91.91	-14.56	-3.95	0.00	-213.62	0.00	213.62	3582.75	1791.37	6177.64	3093.41	5.27	-0.544	0.000	0.073
95.00	-13.60	-3.86	0.00	-201.40	0.00	201.40	3556.51	1778.25	6068.68	3038.85	5.62	-0.561	0.000	0.070
98.41	-12.56	-3.76	0.00	-188.24	0.00	188.24	2417.34	1208.67	4152.00	2079.09	6.03	-0.578	0.000	0.096
100.00	-12.33	-3.71	0.00	-182.27	0.00	182.27	2409.93	1204.97	4117.06	2061.59	6.22	-0.586	0.000	0.094
105.00	-11.65	-3.57	0.00	-163.70	0.00	163.70	2386.24	1193.12	4007.42	2006.69	6.85	-0.617	0.000	0.086
110.00	-10.97	-3.43	0.00	-145.84	0.00	145.84	2361.98	1180.99	3898.19	1951.99	7.52	-0.645	0.000	0.079
115.00	-10.30	-3.29	0.00	-128.69	0.00	128.69	2337.13	1168.56	3789.44	1897.54	8.21	-0.672	0.000	0.072
120.00	-9.65	-3.15	0.00	-112.25	0.00	112.25	2311.70	1155.85	3681.20	1843.33	8.92	-0.697	0.000	0.065
125.00	-9.00	-3.01	0.00	-96.51	0.00	96.51	2285.69	1142.85	3573.52	1789.42	9.67	-0.720	0.000	0.058
127.10	-8.73	-2.95	0.00	-90.21	0.00	90.21	2274.61	1137.31	3528.55	1766.90	9.98	-0.729	0.000	0.055
130.00	-8.11	-2.86	0.00	-81.65	0.00	81.65	2259.10	1129.55	3466.46	1735.81	10.43	-0.740	0.000	0.051
132.93	-7.48	-2.78	0.00	-73.26	0.00	73.26	1575.41	787.71	2427.26	1215.44	10.89	-0.751	0.000	0.065
135.00	-7.27	-2.72	0.00	-67.51	0.00	67.51	1569.59	784.79	2399.45	1201.51	11.22	-0.759	0.000	0.061
140.00	-6.77	-2.58	0.00	-53.91	0.00	53.91	1555.10	777.55	2332.23	1167.85	12.02	-0.778	0.000	0.051
145.00	-6.29	-2.45	0.00	-40.99	0.00	40.99	1540.04	770.02	2265.00	1134.18	12.85	-0.794	0.000	0.040
150.00	-5.81	-2.31	0.00	-28.76	0.00	28.76	1524.40	762.20	2197.80	1100.53	13.68	-0.806	0.000	0.030
155.00	-5.34	-2.18	0.00	-17.20	0.00	17.20	1508.17	754.09	2130.69	1066.93	14.53	-0.815	0.000	0.020
160.00	-1.52	-0.51	0.00	-6.32	0.00	6.32	1491.37	745.68	2063.72	1033.39	15.39	-0.819	0.000	0.007
165.00	-1.12	-0.38	0.00	-3.77	0.00	3.77	1473.98	736.99	1996.93	999.95	16.25	-0.822	0.000	0.005
170.00	-0.74	-0.25	0.00	-1.88	0.00	1.88	1456.02	728.01	1930.38	966.63	17.11	-0.823	0.000	0.002
175.00	-0.37	-0.12	0.00	-0.62	0.00	0.62	1437.47	718.73	1864.13	933.45	17.97	-0.824	0.000	0.001
180.00	0.00	-0.12	0.00	0.00	0.00	0.00	1418.34	709.17	1798.21	900.44	18.84	-0.824	0.000	0.000

Final Analysis Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

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	22.2	0.00	46.29	0.00	0.00	2466.20
0.9D + 1.6W 89 mph Wind	22.2	0.00	34.71	0.00	0.00	2447.19
1.2D + 1.0Di + 1.0Wi 40 mph Wind	5.2	0.00	64.74	0.00	0.00	570.40
1.2D + 1.0E	1.3	0.00	46.31	0.00	0.00	140.02
0.9D + 1.0E	1.3	0.00	34.73	0.00	0.00	138.90
1.0D + 1.0W 60 mph Wind	6.3	0.00	38.59	0.00	0.00	697.10

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	-26.29	-17.84	0.00	-1391.1	0.00	-1391.1	3896.09	1948.0	7602.46	3806.88	52.75	0.372
0.9D + 1.6W 89 mph Wind	-19.63	-17.71	0.00	-1376.7	0.00	-1376.7	3896.09	1948.0	7602.46	3806.88	52.75	0.367
1.2D + 1.0Di + 1.0Wi 40 mph Wind	-40.06	-4.18	0.00	-318.25	0.00	-318.25	3896.09	1948.0	7602.46	3806.88	52.75	0.094
1.2D + 1.0E	-15.11	-0.68	0.00	-45.28	0.00	-45.28	2417.34	1208.6	4152.00	2079.09	98.41	0.028
0.9D + 1.0E	-11.33	-0.68	0.00	-44.82	0.00	-44.82	2417.34	1208.6	4152.00	2079.09	98.41	0.026
1.0D + 1.0W 60 mph Wind	-22.16	-5.04	0.00	-392.61	0.00	-392.61	3896.09	1948.0	7602.46	3806.88	52.75	0.109

Base Plate Summary

Structure:	CT22102-A		**Code:**	EIA/TIA-222-G	7/26/2021
Site Name:	Town of Norfolk DPW site		**Exposure:**	C	
Height:	180.00 (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

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	60.00	**Bolt Circle:**	61.84
Moment (kip-ft):	4527.00	**Width (in):**	68.89	**Number Bolts:**	20.00
Axial (kip):	45.94	**Style:**	Round	**Bolt Type:**	2.25" 18J
Shear (kip):	33.44	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
Analysis		**Clip Length (in):**	0.00	**Yield (ksi):**	75.00
Moment (kip-ft):	2466.20	**Effective Len (in):**	12.18	**Ultimate (ksi):**	100.00
Axial (kip):	46.29	**Moment (kip-in):**	363.15	**Arrangement:**	Radial
Shear (kip):	22.20	**Allow Stress (ksi):**	81.00	**Cluster Dist (in):**	6.00
		Applied Stress (ksi):	23.49	**Start Angle (deg):**	0.00
Moment Design %:	54.48	**Stress Ratio:**	0.29	Compression	
				Force (kip):	98.95
				Allowable (kip):	260.00
				Ratio:	0.39
				Tension	
				Force (kip):	92.48
				Allowable (kip):	260.00
				Ratio:	0.36

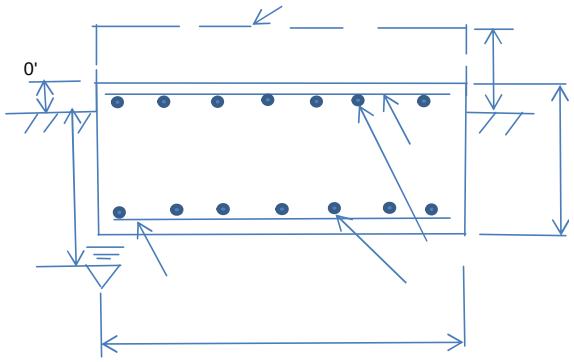
Monopole Mat Foundation Design

				Date
Customer Name:	SBA Communcations Corp	**EIA/TIA Standard:**	EIA-222-G	
Site Name:		**Structure Height (Ft.):**	180	
Site Number:	CT22102-VZW-072621	**Engineer Name:**	SBA Engineer	
Engr. Number:		**Engineer Login ID:**		

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

Analysis or Design? Analysis

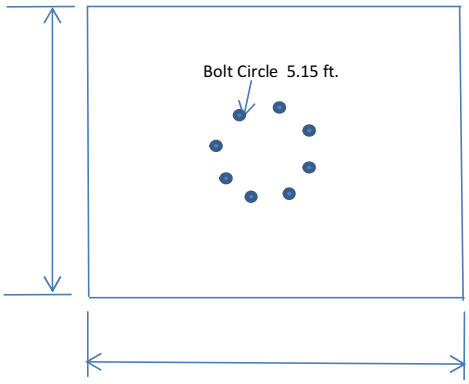


Base Reactions (Factored):

Axial Load (Kips):	46.3	Shear Force (Kips):	
Uplift Force (Kips):	0.0	Moment (Kips-ft):	
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	
Anchor Bolt Circle (ft.):	5.15	Depth of Base BG (ft.):	
Thickness of Pad (ft):			
Length of Pad (ft.):	30.5	Width of Pad (ft.):	
Final Length of pad (ft)	30.5	Final width of pad (ft):	



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):		Tie Spacing (in):		
Pad Steel Rebar Size (#):				
Concrete Cover (in.):		Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):		Qty. of Rebar in Pad (W):		
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):		Qty. of Rebar in Pad (W):		
Apply 1.35 factor for e/w Per G:				

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:		pcf	Angle from Top of Pad:	
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:		Psf	Angle from Bottm of Pad:	
Consider Friction for O.T.M. (Y/N):		Consider Friction for bearing (Y/N):			Angle from Bottm of Pad:	
Consider soil hor. resist. for OTM.:		Reduction factor on the maximum soil bearing pressure:				

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

Total Dry Soil Volume (cu. Ft.):		0.00	Total Dry Soil Weight (Kips):
Total Buoyant Soil Volume (cu. Ft.):		0.00	Total Buoyant Soil Weight (Kips):
Total Effective Soil Weight (Kips):		0.00	Weight from the Concrete Block at Top (K):
Total Dry Concrete Volume (cu. Ft.):		4186.13	Total Dry Concrete Weight (Kips):
Total Buoyant Concrete Volume (cu. Ft.):		0.00	Total Buoyant Concrete Weight (Kips):
Total Effective Concrete Weight (Kips):		627.92	Total Vertical Load on Base (Kips):

Check Soil Capacities:

Load/ Capacity Ratio

Calculated Maxium Net Soil Pressure under the base (psf):		<	Allowable Factored Soil Bearing (psf):	9000
Allowable Foundation Overturning Resistance (kips-ft.):			Design Factored Momont (kips-ft):	
Factor of Safety Against Overturning (O. R. Moment/Design Moment):				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):		One-Way Factored Shear (L-D. Kips):	268.3
One-Way Design Shear Capacity (W-Direction, Kips):		One-Way Factored Shear (W-D., Kips)	
One-Way Design Shear Capacity (Corner-Corner. Kips):		One-Way Factored Shear (C-C, Kips):	422.8
Lower Steel Pad Reinforcement Ratio (L-Direct.):		Lower Steel Pad Reinf. Ratio (W-Direct	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):		Moment at Bottom (L-Direct. K-Ft):	1102.4
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):		Moment at Bottom (W-Direct. K-Ft):	1102.4
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):		Moment at Bottom (C-C Dir. K-Ft):	
Upper Steel Pad Reinforcement Ratio (L-Direct.):		Upper Steel Reinf. Ratio (W-Direct.):	0.0020
Upper Steel Pad Moment Capacity (L-Direction. Kips-ft):		Moment at the top (L-Dir Kips-Ft):	
Upper Steel Pad Moment Capacity (W-Direction. Kips-ft):		Moment at the top (W-Dir Kips-Ft):	
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):		Moment at the top (C-C Direc. K-Ft):	408.0

Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
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peter.albano@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10080319
Maser Consulting Connecticut Project #: 21777241A (REV 2)

July 2, 2021

Site Information	*Site ID:*	*469051-VZW / NORFOLK EAST CT*
	Site Name:	*NORFOLK EAST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*599 Greenwoods Road* *Norfolk, Connecticut 06058* *Litchfield County*
	Latitude:	*41.983189°*
	Longitude:	*-73.153808°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.67-Ft Platform*

FUZE ID # 16272003

Analysis Results

Platform: **65.4% 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: Devin Castillo

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324523, dated June 16, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: SBA: CT22102, VZW:469051, dated April 5, 2021*
Construction Drawings	*Pro Terra Design Group, LLC, Site ID: 17-017, dated June 12, 2020*
Previous Mount Analysis	*Pro Terra Design Group, LLC, Site Name: Norfolk East CT, dated April 24, 2020*
Upgrade Drawings	*EFI Global, Inc, dated April 24, 2020*

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:	0.948
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 mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
160.00	160.00	6	Commscope	NHH-85B-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	Commscope	TD-850B-LTE78-43	

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

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 and field observations. 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. It is assumed that the mount modifications as considered in the analysis listed under sources of information have been installed per the design specs.

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
Standoff Horizontal	17.2%	Pass
Corner Plate	52.5%	Pass
Face Horizontal	32.8%	Pass
Mount Pipe	65.4%	Pass
Dual Antenna Mount Pipe	21.2%	Pass
Kicker	14.5%	Pass
Handrail	52.2%	Pass
Handrail Connection	24.0%	Pass
Connection Check	15.5%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**65.4%**

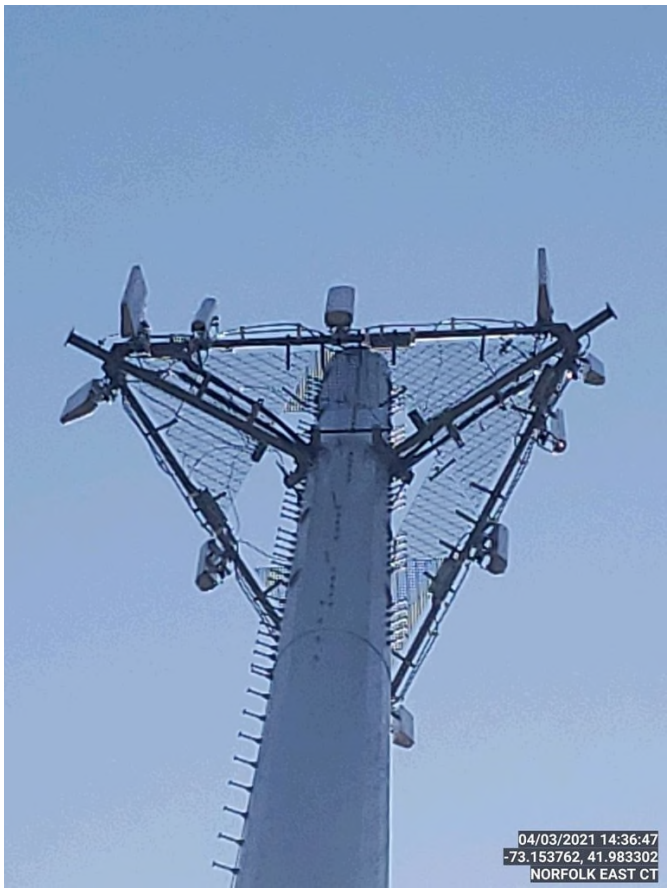
Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and does not require modifications.

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

Attachments:

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


04/03/2021 15:35:44
-73.399679, 41.862344972222225
NORFOLK EAST CT

V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	SBA	**Mapping Date:**	4/5/2021
Site Name:	SBA:Unknown, VZW:NORFOLK EAST CT	**Tower Type:**	Monopole
Site Number or ID:	SBA:CT22102, VZW:469051	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	160

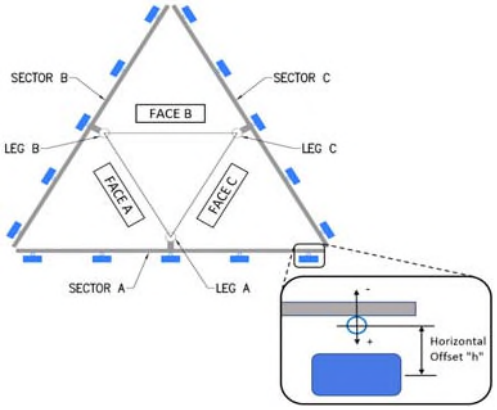
Mount Pipe Configuration and Geometries [Unit = Inches]

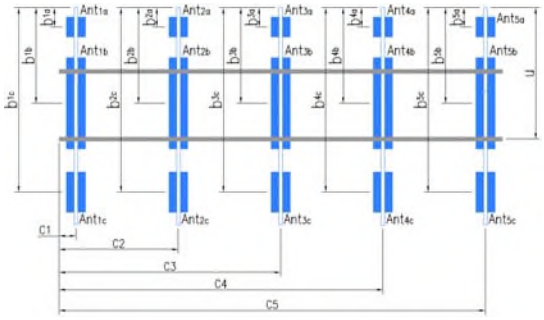
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.18" X 72" LONG	38.00	9.00	C1	PIPE 2.375"Ø X 0.18" X 72" LONG	38.00	9.00
A2	PIPE 2.375"Ø X 0.18" X 72" LONG	44.00	88.00	C2	PIPE 2.375"Ø X 0.18" X 72" LONG	44.00	88.00
A3	PIPE 2.375"Ø X 0.18" X 72" LONG	41.00	143.00	C3	PIPE 2.375"Ø X 0.18" X 72" LONG	41.00	143.00
A4	PIPE 2.375"Ø X 0.18" X 72" LONG	40.00	168.00	C4	PIPE 2.375"Ø X 0.18" X 72" LONG	40.00	168.00
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.18" X 72" LONG	38.00	9.00	D1			
B2	PIPE 2.375"Ø X 0.18" X 72" LONG	44.00	88.00	D2			
B3	PIPE 2.375"Ø X 0.18" X 72" LONG	41.00	143.00	D3			
B4	PIPE 2.375"Ø X 0.18" X 72" LONG	40.00	168.00	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.) :	
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.):	34.5



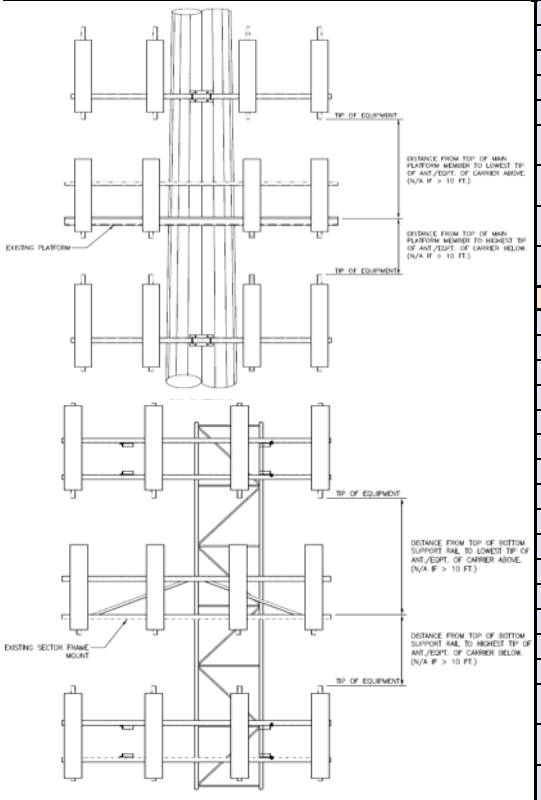


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	Unknown	6.50	0.75	5.50		161.25	23.00			19
Ant_{1b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.167	36.00	17.00	3.00	18
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN-	11.30	6.00	71.00		161	32.00	10.00	3.00	25
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Unknown	6.00	4.00	72.00		160.417	36.00	8.00	3.00	5
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Unknown	6.50	0.75	5.50		161.417	23.00			11
Ant_{4b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.333	36.00	17.00	3.00	16
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) Unknown									22, 9
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	32.00 Deg	Leg A:		Deg
Sector B:	152.00 Deg	Leg B:		Deg
Sector C:	272.00 Deg	Leg C:		Deg
Sector D:	Deg	Leg D:		Deg

Climbing Facility Information		
Location:	152.00 Deg	Sector B
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	Unknown	6.50	0.75	5.50		161.25	23.00			185
Ant_{1b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.167	36.00	17.00	175.00	185
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN-	11.30	6.00	71.00		161	32.00	10.00	175.00	185
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Unknown	6.00	4.00	72.00		160.417	36.00	8.00	175.00	186
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Unknown	6.50	0.75	5.50		161.417	23.00			186
Ant_{4b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.333	36.00	17.00	175.00	186
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) Unknown									185, 186
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	Unknown	6.50	0.75	5.50		161.25	23.00			196
Ant_{1b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.167	36.00	17.00	275.00	196
Ant_{1c}										
Ant_{2a}	BXA-70063-6CF-EDIN-	11.30	6.00	71.00		161	32.00	10.00	275.00	196
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	Unknown	6.00	4.00	72.00		160.417	36.00	8.00	275.00	197
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	Unknown	6.50	0.75	5.50		161.417	23.00			197
Ant_{4b}	LPA-80080/6CF E-DIN	5.50	13.20	70.90		160.333	36.00	17.00	275.00	197
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) Unknown									196, 197
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 #

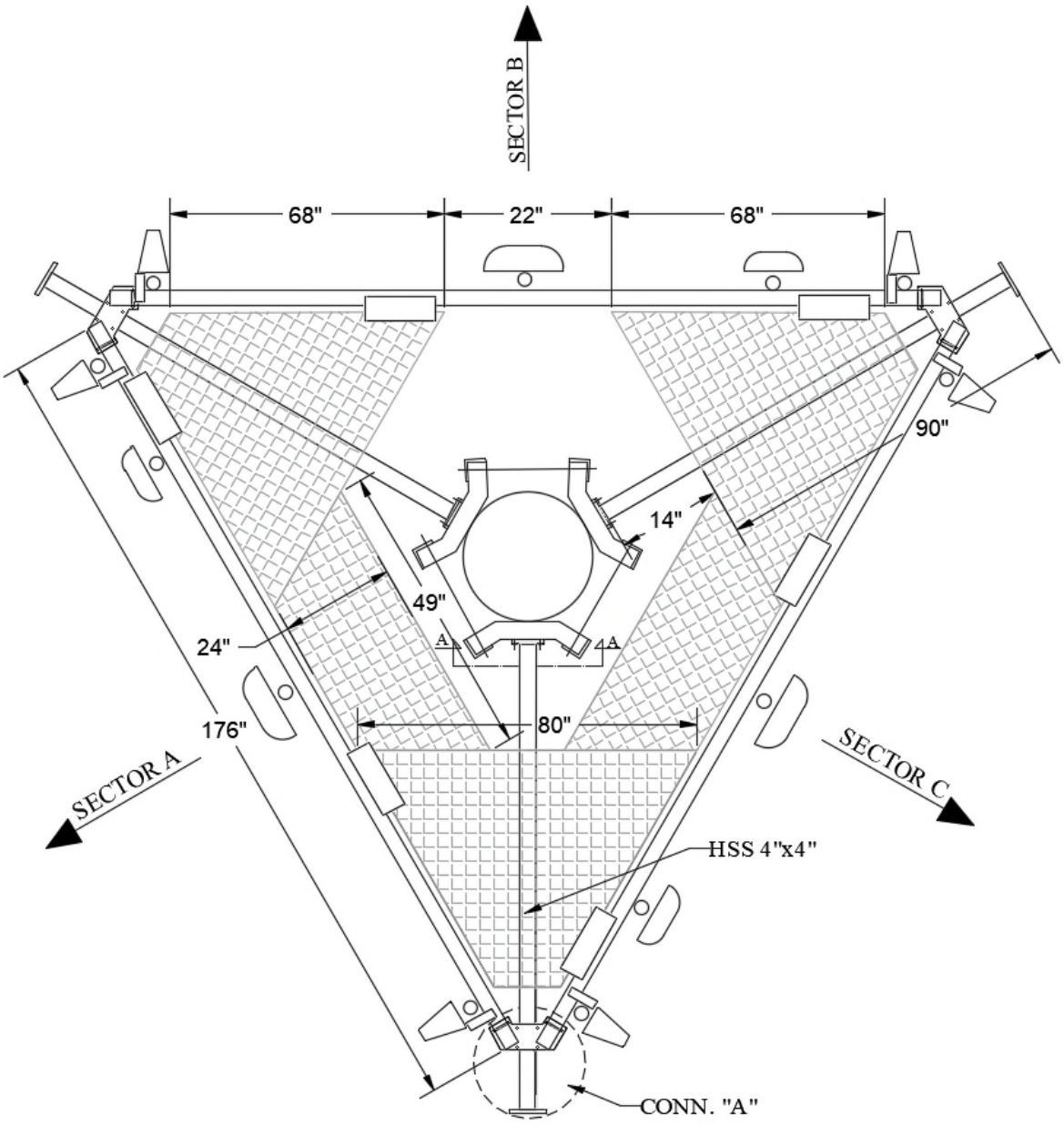
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

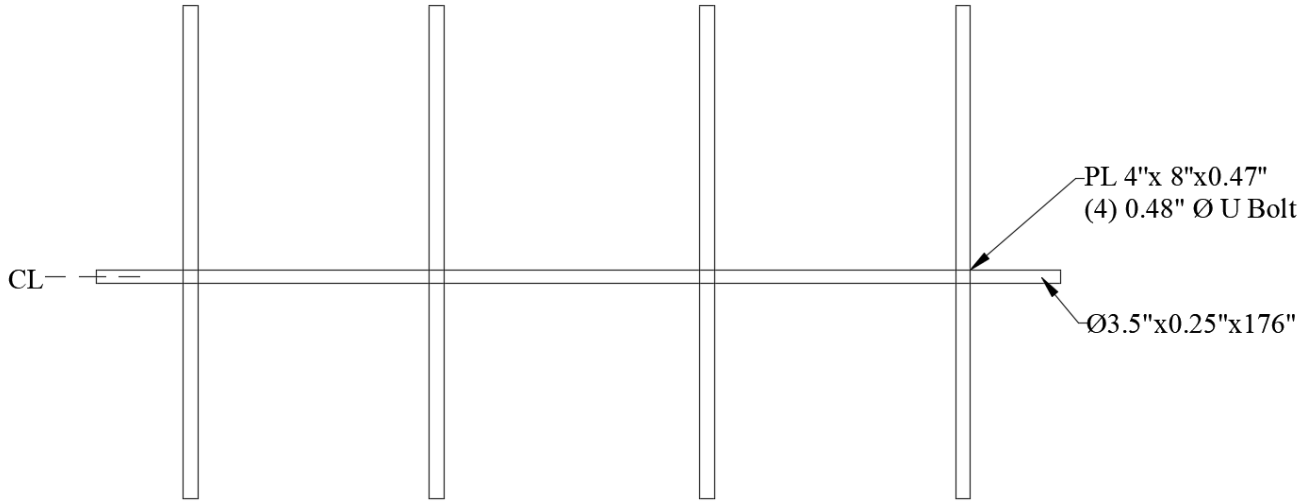
Tower Owner:	SBA	**Mapping Date:**	4/5/2021
Site Name:	SBA:Unknown, VZW:NORFOLK EAST CT	**Tower Type:**	Monopole
Site Number or ID:	SBA:CT22102, VZW:469051	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	160

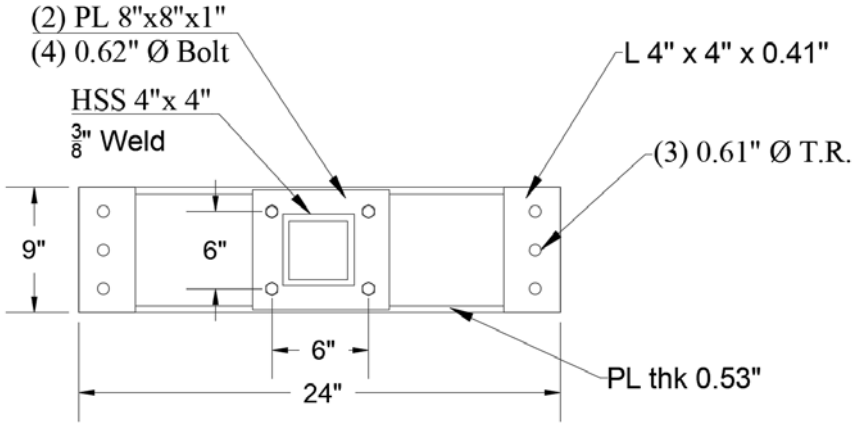
Please Insert Sketches of the Antenna Mount



Overall Mount Schematic

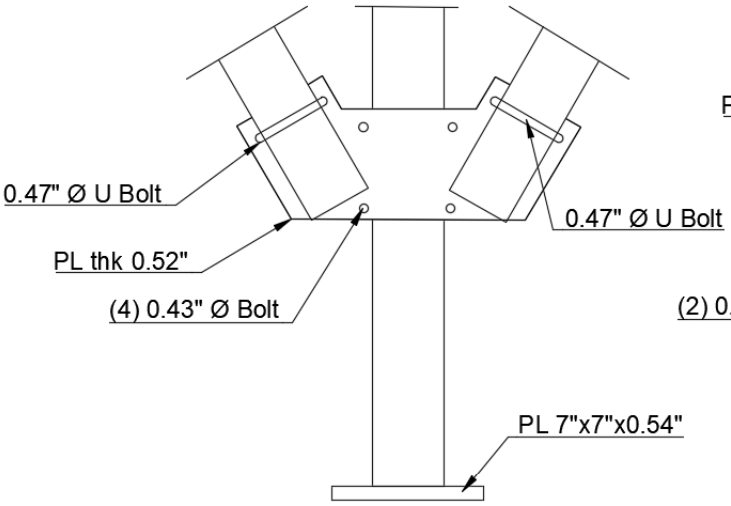
Please Insert Sketches of the Antenna Mount, cont'd

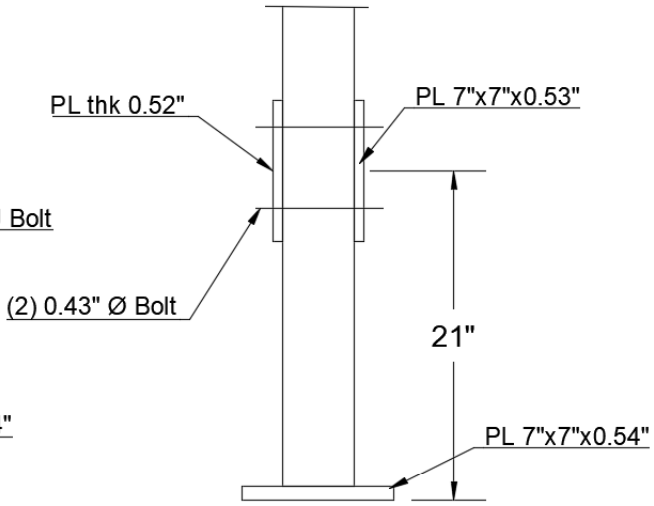


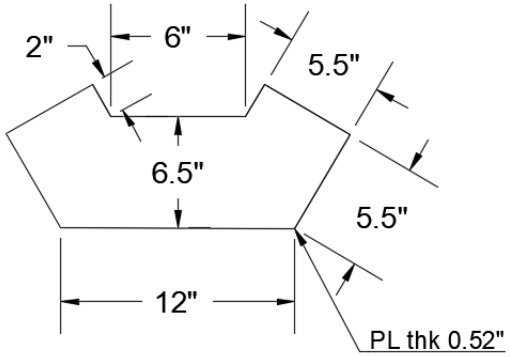


VIEW "A"

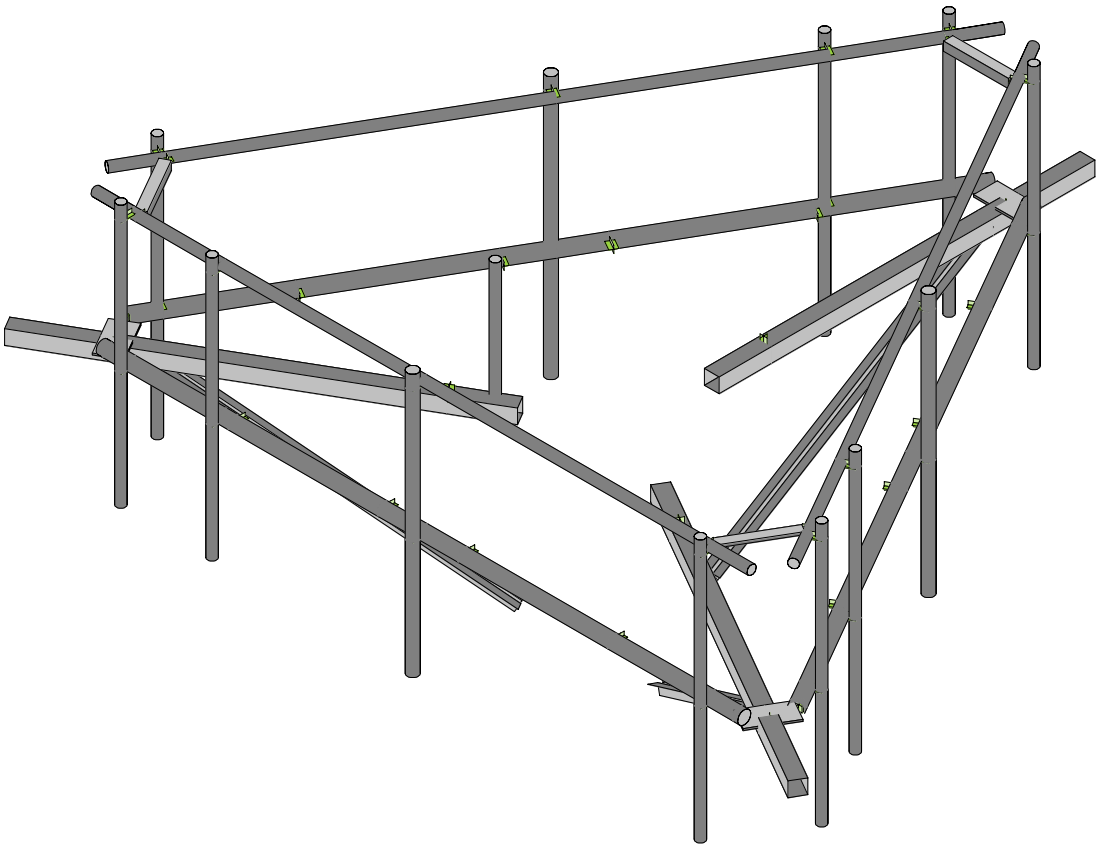
Please Insert Sketches of the Antenna Mount, cont'd



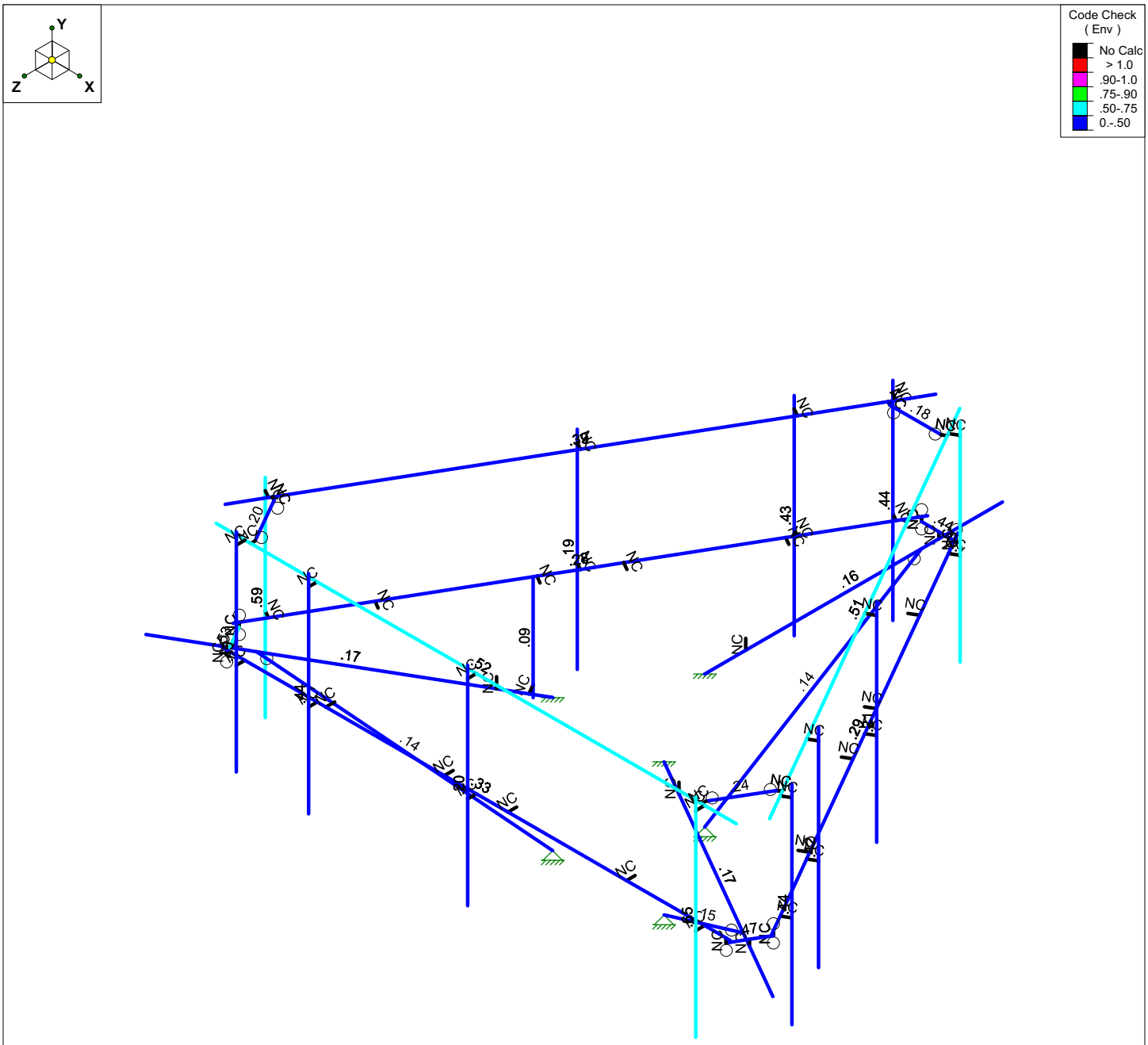




CONN. "A"

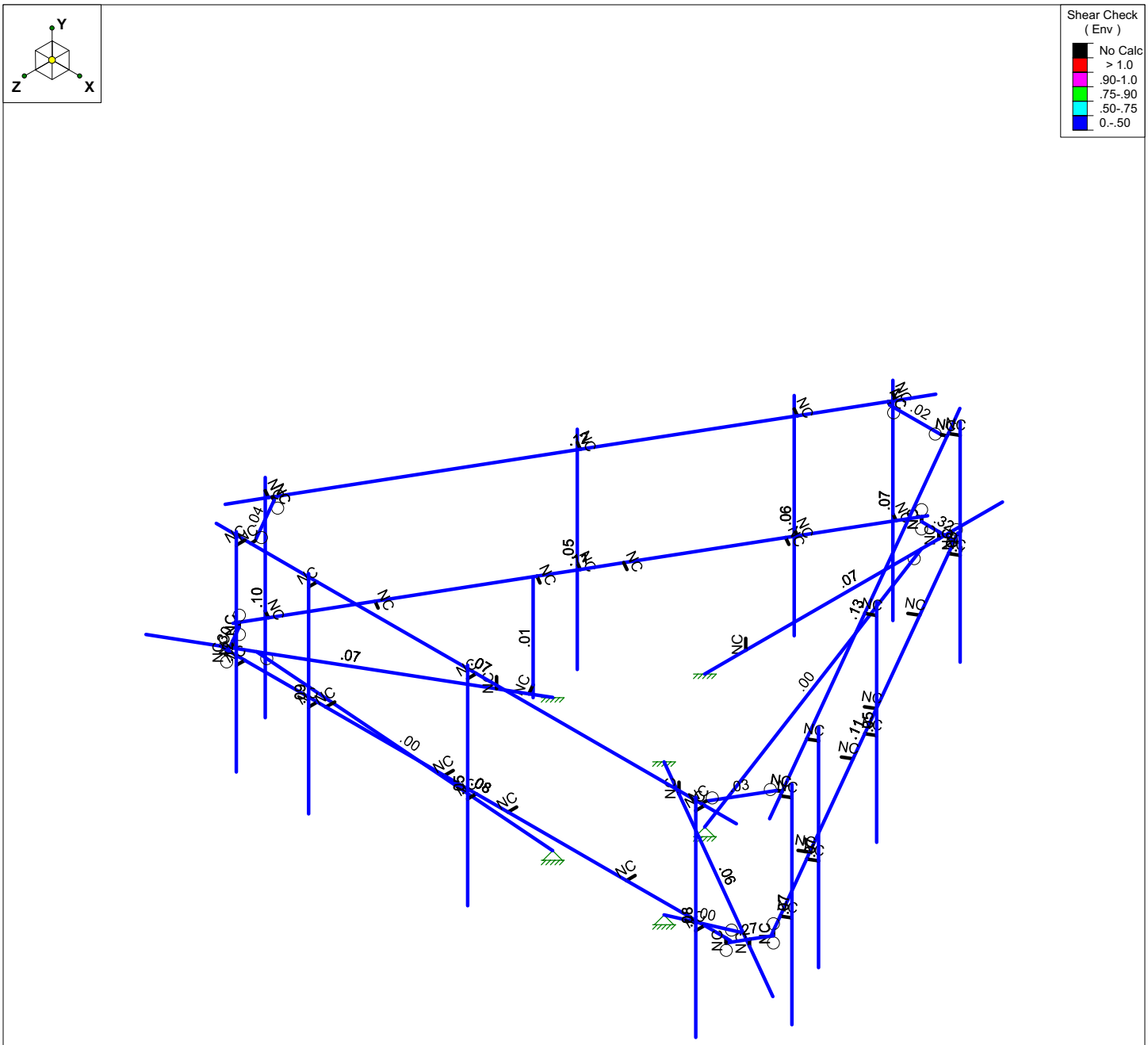


Maser Consulting	Antenna Mount Analysis	SK - 1
DC		July 1, 2021 at 10:58 AM
		469051-VZW_MT_LO_H.r3d



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

Maser Consulting	Antenna Mount Analysis	SK - 2
DC		July 1, 2021 at 10:58 AM
		469051-VZW_MT_LO_H.r3d



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

Maser Consulting	Antenna Mount Analysis	SK - 3
DC		July 1, 2021 at 10:59 AM
		469051-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area(M...	Surface...
1	Antenna D	None					84			
2	Antenna Di	None					84			
3	Antenna Wo (0 Deg)	None					84			
4	Antenna Wo (30 Deg)	None					84			
5	Antenna Wo (60 Deg)	None					84			
6	Antenna Wo (90 Deg)	None					84			
7	Antenna Wo (120 Deg)	None					84			
8	Antenna Wo (150 Deg)	None					84			
9	Antenna Wo (180 Deg)	None					84			
10	Antenna Wo (210 Deg)	None					84			
11	Antenna Wo (240 Deg)	None					84			
12	Antenna Wo (270 Deg)	None					84			
13	Antenna Wo (300 Deg)	None					84			
14	Antenna Wo (330 Deg)	None					84			
15	Antenna Wi (0 Deg)	None					84			
16	Antenna Wi (30 Deg)	None					84			
17	Antenna Wi (60 Deg)	None					84			
18	Antenna Wi (90 Deg)	None					84			
19	Antenna Wi (120 Deg)	None					84			
20	Antenna Wi (150 Deg)	None					84			
21	Antenna Wi (180 Deg)	None					84			
22	Antenna Wi (210 Deg)	None					84			
23	Antenna Wi (240 Deg)	None					84			
24	Antenna Wi (270 Deg)	None					84			
25	Antenna Wi (300 Deg)	None					84			
26	Antenna Wi (330 Deg)	None					84			
27	Antenna Wm (0 Deg)	None					84			
28	Antenna Wm (30 Deg)	None					84			
29	Antenna Wm (60 Deg)	None					84			
30	Antenna Wm (90 Deg)	None					84			
31	Antenna Wm (120 Deg)	None					84			
32	Antenna Wm (150 Deg)	None					84			
33	Antenna Wm (180 Deg)	None					84			
34	Antenna Wm (210 Deg)	None					84			
35	Antenna Wm (240 Deg)	None					84			
36	Antenna Wm (270 Deg)	None					84			
37	Antenna Wm (300 Deg)	None					84			
38	Antenna Wm (330 Deg)	None					84			
39	Structure D	None		-1					5	
40	Structure Di	None						31	5	
41	Structure Wo (0 Deg)	None						62		
42	Structure Wo (30 Deg)	None						62		
43	Structure Wo (60 Deg)	None						62		
44	Structure Wo (90 Deg)	None						62		
45	Structure Wo (120 Deg)	None						62		
46	Structure Wo (150 Deg)	None						62		
47	Structure Wo (180 Deg)	None						62		
48	Structure Wo (210 Deg)	None						62		
49	Structure Wo (240 Deg)	None						62		
50	Structure Wo (270 Deg)	None						62		
51	Structure Wo (300 Deg)	None						62		
52	Structure Wo (330 Deg)	None						62		
53	Structure Wi (0 Deg)	None						62		
54	Structure Wi (30 Deg)	None						62		
55	Structure Wi (60 Deg)	None						62		
56	Structure Wi (90 Deg)	None						62		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area(M...	Surface...
57	Structure Wi (120 Deg)	None						62		
58	Structure Wi (150 Deg)	None						62		
59	Structure Wi (180 Deg)	None						62		
60	Structure Wi (210 Deg)	None						62		
61	Structure Wi (240 Deg)	None						62		
62	Structure Wi (270 Deg)	None						62		
63	Structure Wi (300 Deg)	None						62		
64	Structure Wi (330 Deg)	None						62		
65	Structure Wm (0 Deg)	None						62		
66	Structure Wm (30 Deg)	None						62		
67	Structure Wm (60 Deg)	None						62		
68	Structure Wm (90 Deg)	None						62		
69	Structure Wm (120 Deg)	None						62		
70	Structure Wm (150 Deg)	None						62		
71	Structure Wm (180 Deg)	None						62		
72	Structure Wm (210 Deg)	None						62		
73	Structure Wm (240 Deg)	None						62		
74	Structure Wm (270 Deg)	None						62		
75	Structure Wm (300 Deg)	None						62		
76	Structure Wm (330 Deg)	None						62		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						39		
82	BLC 40 Transient Area Loads	None						39		

Load Combinations

	Description	S...	PDelta	S...	B...	F...	BLC	F...	BLC	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
1	1.2D+1.0Wo (0 Deg)	Y...	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Y...	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Y...	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Y...	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Y...	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Y...	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Y...	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Y...	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Y...	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Y...	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Y...	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Y...	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

	Description	S...	P	Delta S...	B...	F...	BLC	F...	BLC	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 D...	Y...	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 D...	Y...	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 D...	Y...	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 D...	Y...	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 D...	Y...	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 D...	Y...	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 D...	Y...	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 D...	Y...	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 D...	Y...	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 D...	Y...	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 D...	Y...	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 D...	Y...	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 D...	Y...	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 D...	Y...	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 D...	Y...	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 D...	Y...	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Y...	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Y...	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Y...	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 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-....										
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.8...	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.8...	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.8...										
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.8...										
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	-....	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	-....	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-....										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	-0.177083	-1.854167	0	
2	N27	-0.	-0.177083	-10.4375	0	
3	CP	0	0	0	0	
4	N4	-0.	-0.177083	-8.604167	0	
5	N5	.5	0	-8.604167	0	
6	N6	-.5	0	-8.604167	0	
7	N7	.5	.125	-8.604167	0	
8	N8	-.5	.125	-8.604167	0	
9	N9	-1.605755	-0.177083	0.927083	0	
10	N10	-9.03914	-0.177083	5.21875	0	
11	N12	-7.451427	-0.177083	4.302083	0	
12	N13	-7.701427	0	3.869071	0	
13	N14	-7.201427	0	4.735096	0	
14	N15	-7.701427	.125	3.869071	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16	-7.201427	.125	4.735096	0	
16	N17	1.605755	-0.177083	0.927083	0	
17	N18	9.03914	-0.177083	5.21875	0	
18	N20	7.451427	-0.177083	4.302083	0	
19	N21	7.201427	0	4.735096	0	
20	N22	7.701427	0	3.869071	0	
21	N23	7.201427	.125	4.735096	0	
22	N24	7.701427	.125	3.869071	0	
23	N23A	0.	.125	4.735096	0	
24	N24A	7.333333	.125	4.735096	0	
25	N25	-7.333333	.125	4.735096	0	
26	N31	0.434047	.125	-8.718401	0	
27	N32	7.76738	.125	3.983305	0	
28	N38	-7.76738	.125	3.983305	0	
29	N39	-0.434047	.125	-8.718401	0	
30	N30	-4.333333	.125	4.735096	0	
31	N31A	4.333333	.125	4.735096	0	
32	N32A	0.916667	.125	4.735096	0	
33	N33	-0.916667	.125	4.735096	0	
34	N35	-4.333333	.125	4.485096	0	
35	N36	4.333333	.125	4.485096	0	
36	N37	0.916667	.125	4.485096	0	
37	N38A	-0.916667	.125	4.485096	0	
38	N40	4.100713	.125	-2.367548	0	
39	N41	6.26738	.125	1.385229	0	
40	N42	1.934047	.125	-6.120325	0	
41	N43	3.64238	.125	-3.161405	0	
42	N44	4.559047	.125	-1.573691	0	
43	N46	6.050874	.125	1.510229	0	
44	N47	1.71754	.125	-5.995325	0	
45	N48	3.425874	.125	-3.036405	0	
46	N49	4.34254	.125	-1.448691	0	
47	N51	-4.100713	.125	-2.367548	0	
48	N52	-1.934047	.125	-6.120325	0	
49	N53	-6.26738	.125	1.385229	0	
50	N54	-4.559047	.125	-1.573691	0	
51	N55	-3.64238	.125	-3.161405	0	
52	N57	-1.71754	.125	-5.995325	0	
53	N58	-6.050874	.125	1.510229	0	
54	N59	-4.34254	.125	-1.448691	0	
55	N60	-3.425874	.125	-3.036405	0	
56	N71A	6.583333	.125	4.735096	0	
57	N72A	6.583333	.125	4.985096	0	
58	N73	6.583333	3.458333	4.985096	0	
59	N74	6.583333	-2.541667	4.985096	0	
60	N76	0.	.125	4.985096	0	
61	N77	0.	3.458333	4.985096	0	
62	N78	0.	-2.541667	4.985096	0	
63	N79	-4.583333	.125	4.735096	0	
64	N80	-4.583333	.125	4.985096	0	
65	N81	-4.583333	3.458333	4.985096	0	
66	N82	-4.583333	-2.541667	4.985096	0	
67	N83	-6.666667	.125	4.735096	0	
68	N84	-6.666667	.125	4.985096	0	
69	N85	-6.666667	3.458333	4.985096	0	
70	N86	-6.666667	-2.541667	4.985096	0	
71	N88	0.809047	.125	-8.068882	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N89	1.025553	.125	-8.193882	0	
73	N90	1.025553	3.458333	-8.193882	0	
74	N91	1.025553	-2.541667	-8.193882	0	
75	N92	4.31722	.125	-2.492548	0	
76	N93	4.31722	3.458333	-2.492548	0	
77	N94	4.31722	-2.541667	-2.492548	0	
78	N95	6.39238	.125	1.601735	0	
79	N96	6.608886	.125	1.476735	0	
80	N97	6.608886	3.458333	1.476735	0	
81	N98	6.608886	-2.541667	1.476735	0	
82	N99	7.434047	.125	3.405955	0	
83	N100	7.650553	.125	3.280955	0	
84	N101	7.650553	3.458333	3.280955	0	
85	N102	7.650553	-2.541667	3.280955	0	
86	N105	-7.39238	.125	3.333786	0	
87	N106	-7.608886	.125	3.208786	0	
88	N107	-7.608886	3.458333	3.208786	0	
89	N108	-7.608886	-2.541667	3.208786	0	
90	N109	-4.31722	.125	-2.492548	0	
91	N110	-4.31722	3.458333	-2.492548	0	
92	N111	-4.31722	-2.541667	-2.492548	0	
93	N112	-1.809047	.125	-6.336831	0	
94	N113	-2.025553	.125	-6.461831	0	
95	N114	-2.025553	3.458333	-6.461831	0	
96	N115	-2.025553	-2.541667	-6.461831	0	
97	N116	-0.76738	.125	-8.141051	0	
98	N117	-0.983886	.125	-8.266051	0	
99	N118	-0.983886	3.458333	-8.266051	0	
100	N119	-0.983886	-2.541667	-8.266051	0	
101	N101A	-2.038768	-0.177083	1.177083	0	
102	N102A	-2.205435	-0.177083	0.888408	0	
103	N103	-2.205435	-.5	0.888408	0	
104	N104	-2.205435	2.5	0.888408	0	
105	N105A	-0.	-4	-1.854167	0	
106	N106A	-1.605755	-4	0.927083	0	
107	N107A	1.605755	-4	0.927083	0	
108	N108A	-0.	-0.177083	-8.104167	0	
109	N110A	-7.018414	-0.177083	4.052083	0	
110	N112A	7.018414	-0.177083	4.052083	0	
111	N111A	0.	3.125	4.735096	0	
112	N112B	7.5	3.125	4.735096	0	
113	N113A	-7.5	3.125	4.735096	0	
114	N118A	4.100713	3.125	-2.367548	0	
115	N119A	-4.100713	3.125	-2.367548	0	
116	N120	6.583333	3.125	4.735096	0	
117	N121	6.583333	3.125	4.985096	0	
118	N122	0.	3.125	4.985096	0	
119	N123	-4.583333	3.125	4.735096	0	
120	N124	-4.583333	3.125	4.985096	0	
121	N125	-6.666667	3.125	4.735096	0	
122	N126	-6.666667	3.125	4.985096	0	
123	N127	0.809047	3.125	-8.068882	0	
124	N128	1.025553	3.125	-8.193882	0	
125	N129	4.31722	3.125	-2.492548	0	
126	N130	6.39238	3.125	1.601735	0	
127	N131	6.608886	3.125	1.476735	0	
128	N132	7.434047	3.125	3.405955	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N133	7.650553	3.125	3.280955	0	
130	N134	-7.39238	3.125	3.333786	0	
131	N135	-7.608886	3.125	3.208786	0	
132	N136	-4.31722	3.125	-2.492548	0	
133	N137	-1.809047	3.125	-6.336831	0	
134	N138	-2.025553	3.125	-6.461831	0	
135	N139	-0.76738	3.125	-8.141051	0	
136	N140	-0.983886	3.125	-8.266051	0	
137	N138A	0.350713	3.125	-8.862739	0	
138	N139A	7.850713	3.125	4.127643	0	
139	N141	-7.850713	3.125	4.127643	0	
140	N142	-0.350713	3.125	-8.862739	0	
141	N141A	-6.5	3.125	4.735096	0	
142	N142A	6.5	3.125	4.735096	0	
143	N143	-6.5	3.125	4.610096	0	
144	N144	6.5	3.125	4.610096	0	
145	N146	7.350713	3.125	3.261617	0	
146	N147	0.850713	3.125	-7.996713	0	
147	N148	7.24246	3.125	3.324117	0	
148	N149	0.74246	3.125	-7.934213	0	
149	N151	-0.850713	3.125	-7.996713	0	
150	N152	-7.350713	3.125	3.261617	0	
151	N153	-0.74246	3.125	-7.934213	0	
152	N154	-7.24246	3.125	3.324117	0	
153	N153A	0	.125	-3.036405	0	
154	N154A	0	-0.177083	-3.036405	0	
155	N155	-2.629604	.125	1.518202	0	
156	N156	-2.629604	-0.177083	1.518202	0	
157	N157	2.629604	.125	1.518202	0	
158	N158	2.629604	-0.177083	1.518202	0	
159	N159	-7.451427	0	4.302083	0	
160	N161	7.451427	0	4.302083	0	
161	N163	0.	0	-8.604167	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [i...	Izz [i...	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	Tube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6.5	Beam	RECT	A36 Gr.36	Typical	3.25	.068	11.443	.258
4	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Dual Antenna Mo...	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
6	TES Plate	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	Kicker	LL2.5X2.5X3	Column	Double Angle (3/8 Ga...	A36 Gr.36	Typical	1.92	2.096	1.158	.024
8	Handrail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Handrail Connecti...	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
10	TES Kicker	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
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	Tube	A500 Gr.B...	Typical
2	M2	N5	N6		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
3	M3	N5	N7			RIGID	None	None	RIGID	Typical
4	M4A	N6	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N10			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
6	M6	N13	N14		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
7	M7	N13	N15			RIGID	None	None	RIGID	Typical
8	M8	N14	N16			RIGID	None	None	RIGID	Typical
9	M9	N17	N18			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
10	M10	N21	N22		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
11	M11	N21	N23			RIGID	None	None	RIGID	Typical
12	M12	N22	N24			RIGID	None	None	RIGID	Typical
13	M13	N25	N24A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
14	M14	N22	N24		120	RIGID	None	None	RIGID	Typical
15	M15	N5	N7		120	RIGID	None	None	RIGID	Typical
16	M16	N32	N31			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
17	M17	N6	N8		240	RIGID	None	None	RIGID	Typical
18	M18	N13	N15		240	RIGID	None	None	RIGID	Typical
19	M19	N39	N38			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
20	M20	N30	N35			RIGID	None	None	RIGID	Typical
21	M21	N33	N38A			RIGID	None	None	RIGID	Typical
22	M23	N32A	N37			RIGID	None	None	RIGID	Typical
23	M24	N31A	N36			RIGID	None	None	RIGID	Typical
24	M25	N41	N46			RIGID	None	None	RIGID	Typical
25	M26	N44	N49			RIGID	None	None	RIGID	Typical
26	M28	N43	N48			RIGID	None	None	RIGID	Typical
27	M29	N42	N47			RIGID	None	None	RIGID	Typical
28	M30	N52	N57			RIGID	None	None	RIGID	Typical
29	M31	N55	N60			RIGID	None	None	RIGID	Typical
30	M33	N54	N59			RIGID	None	None	RIGID	Typical
31	M34	N53	N58			RIGID	None	None	RIGID	Typical
32	M41	N71A	N72A			RIGID	None	None	RIGID	Typical
33	MP1A	N73	N74			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
34	M43	N23A	N76			RIGID	None	None	RIGID	Typical
35	MP2A	N77	N78			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
36	M45	N79	N80			RIGID	None	None	RIGID	Typical
37	MP3A	N81	N82			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
38	M47	N83	N84			RIGID	None	None	RIGID	Typical
39	MP4A	N85	N86			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
40	M49	N88	N89			RIGID	None	None	RIGID	Typical
41	MP1C	N90	N91		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
42	M51	N40	N92			RIGID	None	None	RIGID	Typical
43	MP2C	N93	N94		240	Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
44	M53	N95	N96			RIGID	None	None	RIGID	Typical
45	MP3C	N97	N98		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
46	M55	N99	N100			RIGID	None	None	RIGID	Typical
47	MP4C	N101	N102		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
48	M57	N105	N106			RIGID	None	None	RIGID	Typical
49	MP1B	N107	N108		120	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
50	M59	N51	N109			RIGID	None	None	RIGID	Typical
51	MP2B	N110	N111		120	Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
52	M61	N112	N113			RIGID	None	None	RIGID	Typical
53	MP3B	N114	N115		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	M63	N116	N117			RIGID	None	None	RIGID	Typical
55	MP4B	N118	N119		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	M56	N101A	N102A			RIGID	None	None	RIGID	Typical
57	M57A	N104	N103			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
58	M58	N110A	N106A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
59	M59A	N108A	N105A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
60	M60	N112A	N107A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
61	M61A	N113A	N112B			Handrail	Beam	Pipe	A53 Gr.B	Typical
62	M64	N120	N121			RIGID	None	None	RIGID	Typical
63	M65	N111A	N122			RIGID	None	None	RIGID	Typical
64	M66	N123	N124			RIGID	None	None	RIGID	Typical
65	M67	N125	N126			RIGID	None	None	RIGID	Typical
66	M68	N127	N128			RIGID	None	None	RIGID	Typical
67	M69	N118A	N129			RIGID	None	None	RIGID	Typical
68	M70	N130	N131			RIGID	None	None	RIGID	Typical
69	M71	N132	N133			RIGID	None	None	RIGID	Typical
70	M72	N134	N135			RIGID	None	None	RIGID	Typical
71	M73	N119A	N136			RIGID	None	None	RIGID	Typical
72	M74	N137	N138			RIGID	None	None	RIGID	Typical
73	M75	N139	N140			RIGID	None	None	RIGID	Typical
74	M74A	N139A	N138A			Handrail	Beam	Pipe	A53 Gr.B	Typical
75	M75A	N142	N141			Handrail	Beam	Pipe	A53 Gr.B	Typical
76	M76	N141A	N143			RIGID	None	None	RIGID	Typical
77	M77	N142A	N144			RIGID	None	None	RIGID	Typical
78	M78	N146	N148			RIGID	None	None	RIGID	Typical
79	M79	N147	N149			RIGID	None	None	RIGID	Typical
80	M80	N151	N153			RIGID	None	None	RIGID	Typical
81	M81	N152	N154			RIGID	None	None	RIGID	Typical
82	M82	N154	N143		90	Handrail Conn...	Beam	Single Angle	A36 Gr.36	Typical
83	M83	N144	N148		90	Handrail Conn...	Beam	Single Angle	A36 Gr.36	Typical
84	M84	N149	N153		90	Handrail Conn...	Beam	Single Angle	A36 Gr.36	Typical
85	M85	N146	N148			RIGID	None	None	RIGID	Typical
86	M86	N147	N149			RIGID	None	None	RIGID	Typical
87	M87	N151	N153			RIGID	None	None	RIGID	Typical
88	M88	N152	N154			RIGID	None	None	RIGID	Typical
89	M89	N153A	N154A			RIGID	None	None	RIGID	Typical
90	M90	N155	N156		240	RIGID	None	None	RIGID	Typical
91	M91	N157	N158		120	RIGID	None	None	RIGID	Typical
92	M92	N159	N12			RIGID	None	None	RIGID	Typical
93	M93	N161	N20		240	RIGID	None	None	RIGID	Typical
94	M94	N163	N4		120	RIGID	None	None	RIGID	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
1	M4	Standoff Horizontal	8.583			Lbyy						Lateral
2	M2	Corner Plate	1			Lbyy						Lateral
3	M5	Standoff Horizontal	8.583			Lbyy						Lateral
4	M6	Corner Plate	1			Lbyy						Lateral
5	M9	Standoff Horizontal	8.583			Lbyy						Lateral
6	M10	Corner Plate	1			Lbyy						Lateral
7	M13	Face Horizontal	14.667			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
8	M16	Face Horizontal	14.667			Lbyy						Lateral
9	M19	Face Horizontal	14.667			Lbyy						Lateral
10	MP1A	Mount Pipe	6									Lateral
11	MP2A	Dual Antenna Mount ...	6									Lateral
12	MP3A	Mount Pipe	6									Lateral
13	MP4A	Mount Pipe	6									Lateral
14	MP1C	Mount Pipe	6									Lateral
15	MP2C	Dual Antenna Mount ...	6									Lateral
16	MP3C	Mount Pipe	6									Lateral
17	MP4C	Mount Pipe	6									Lateral
18	MP1B	Mount Pipe	6									Lateral
19	MP2B	Dual Antenna Mount ...	6									Lateral
20	MP3B	Mount Pipe	6									Lateral
21	MP4B	Mount Pipe	6									Lateral
22	M57A	Mount Pipe	3									Lateral
23	M58	Kicker	7.326									Lateral
24	M59A	Kicker	7.326									Lateral
25	M60	Kicker	7.326									Lateral
26	M61A	Handrail	15			Lbyy						Lateral
27	M74A	Handrail	15			Lbyy						Lateral
28	M75A	Handrail	15			Lbyy						Lateral
29	M82	Handrail Connection	1.485			Lbyy						Lateral
30	M83	Handrail Connection	1.485			Lbyy						Lateral
31	M84	Handrail Connection	1.485			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	1.5
2	MP2A	My	.005	1.5
3	MP2A	Mz	.016	1.5
4	MP2A	Y	-21.85	5.5
5	MP2A	My	.005	5.5
6	MP2A	Mz	.016	5.5
7	MP2B	Y	-21.85	1.5
8	MP2B	My	-.016	1.5
9	MP2B	Mz	-.004	1.5
10	MP2B	Y	-21.85	5.5
11	MP2B	My	-.016	5.5
12	MP2B	Mz	-.004	5.5
13	MP2C	Y	-21.85	1.5
14	MP2C	My	.012	1.5
15	MP2C	Mz	-.012	1.5
16	MP2C	Y	-21.85	5.5
17	MP2C	My	.012	5.5
18	MP2C	Mz	-.012	5.5
19	MP2A	Y	-21.85	1.5
20	MP2A	My	.015	1.5
21	MP2A	Mz	-.007	1.5
22	MP2A	Y	-21.85	5.5
23	MP2A	My	.015	5.5
24	MP2A	Mz	-.007	5.5
25	MP2B	Y	-21.85	1.5
26	MP2B	My	-.002	1.5
27	MP2B	Mz	.017	1.5
28	MP2B	Y	-21.85	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	My	-.002	5.5
30	MP2B	Mz	.017	5.5
31	MP2C	Y	-21.85	1.5
32	MP2C	My	-.014	1.5
33	MP2C	Mz	-.01	1.5
34	MP2C	Y	-21.85	5.5
35	MP2C	My	-.014	5.5
36	MP2C	Mz	-.01	5.5
37	MP3A	Y	-43.55	2.5
38	MP3A	My	-.02	2.5
39	MP3A	Mz	-.009	2.5
40	MP3A	Y	-43.55	4.5
41	MP3A	My	-.02	4.5
42	MP3A	Mz	-.009	4.5
43	MP3B	Y	-43.55	2.5
44	MP3B	My	.018	2.5
45	MP3B	Mz	-.012	2.5
46	MP3B	Y	-43.55	4.5
47	MP3B	My	.018	4.5
48	MP3B	Mz	-.012	4.5
49	MP3C	Y	-43.55	2.5
50	MP3C	My	.002	2.5
51	MP3C	Mz	.022	2.5
52	MP3C	Y	-43.55	4.5
53	MP3C	My	.002	4.5
54	MP3C	Mz	.022	4.5
55	M57A	Y	-32	1.5
56	M57A	My	0	1.5
57	M57A	Mz	0	1.5
58	MP2A	Y	-84.4	2
59	MP2A	My	.038	2
60	MP2A	Mz	.018	2
61	MP2B	Y	-84.4	2
62	MP2B	My	-.035	2
63	MP2B	Mz	.024	2
64	MP2C	Y	-84.4	2
65	MP2C	My	-.004	2
66	MP2C	Mz	-.042	2
67	MP3A	Y	-70.3	1.25
68	MP3A	My	.032	1.25
69	MP3A	Mz	.015	1.25
70	MP3B	Y	-70.3	1.25
71	MP3B	My	-.029	1.25
72	MP3B	Mz	.02	1.25
73	MP3C	Y	-70.3	1.25
74	MP3C	My	-.003	1.25
75	MP3C	Mz	-.035	1.25
76	MP2A	Y	-52.9	5
77	MP2A	My	.024	5
78	MP2A	Mz	.011	5
79	MP2B	Y	-52.9	5
80	MP2B	My	-.022	5
81	MP2B	Mz	.015	5
82	MP2C	Y	-52.9	5
83	MP2C	My	-.002	5
84	MP2C	Mz	-.026	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-62.294	1.5
2	MP2A	My	.013	1.5
3	MP2A	Mz	.046	1.5
4	MP2A	Y	-62.294	5.5
5	MP2A	My	.013	5.5
6	MP2A	Mz	.046	5.5
7	MP2B	Y	-62.294	1.5
8	MP2B	My	-.046	1.5
9	MP2B	Mz	-.012	1.5
10	MP2B	Y	-62.294	5.5
11	MP2B	My	-.046	5.5
12	MP2B	Mz	-.012	5.5
13	MP2C	Y	-62.294	1.5
14	MP2C	My	.033	1.5
15	MP2C	Mz	-.034	1.5
16	MP2C	Y	-62.294	5.5
17	MP2C	My	.033	5.5
18	MP2C	Mz	-.034	5.5
19	MP2A	Y	-62.294	1.5
20	MP2A	My	.044	1.5
21	MP2A	Mz	-.02	1.5
22	MP2A	Y	-62.294	5.5
23	MP2A	My	.044	5.5
24	MP2A	Mz	-.02	5.5
25	MP2B	Y	-62.294	1.5
26	MP2B	My	-.005	1.5
27	MP2B	Mz	.048	1.5
28	MP2B	Y	-62.294	5.5
29	MP2B	My	-.005	5.5
30	MP2B	Mz	.048	5.5
31	MP2C	Y	-62.294	1.5
32	MP2C	My	-.039	1.5
33	MP2C	Mz	-.028	1.5
34	MP2C	Y	-62.294	5.5
35	MP2C	My	-.039	5.5
36	MP2C	Mz	-.028	5.5
37	MP3A	Y	-36.199	2.5
38	MP3A	My	-.016	2.5
39	MP3A	Mz	-.008	2.5
40	MP3A	Y	-36.199	4.5
41	MP3A	My	-.016	4.5
42	MP3A	Mz	-.008	4.5
43	MP3B	Y	-36.199	2.5
44	MP3B	My	.015	2.5
45	MP3B	Mz	-.01	2.5
46	MP3B	Y	-36.199	4.5
47	MP3B	My	.015	4.5
48	MP3B	Mz	-.01	4.5
49	MP3C	Y	-36.199	2.5
50	MP3C	My	.002	2.5
51	MP3C	Mz	.018	2.5
52	MP3C	Y	-36.199	4.5
53	MP3C	My	.002	4.5
54	MP3C	Mz	.018	4.5
55	M57A	Y	-89.334	1.5
56	M57A	My	0	1.5
57	M57A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	-45.649	2
59	MP2A	My	.021	2
60	MP2A	Mz	.01	2
61	MP2B	Y	-45.649	2
62	MP2B	My	-.019	2
63	MP2B	Mz	.013	2
64	MP2C	Y	-45.649	2
65	MP2C	My	-.002	2
66	MP2C	Mz	-.023	2
67	MP3A	Y	-41.058	1.25
68	MP3A	My	.019	1.25
69	MP3A	Mz	.009	1.25
70	MP3B	Y	-41.058	1.25
71	MP3B	My	-.017	1.25
72	MP3B	Mz	.012	1.25
73	MP3C	Y	-41.058	1.25
74	MP3C	My	-.002	1.25
75	MP3C	Mz	-.02	1.25
76	MP2A	Y	-38.014	5
77	MP2A	My	.017	5
78	MP2A	Mz	.008	5
79	MP2B	Y	-38.014	5
80	MP2B	My	-.016	5
81	MP2B	Mz	.011	5
82	MP2C	Y	-38.014	5
83	MP2C	My	-.002	5
84	MP2C	Mz	-.019	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	-117.085	1.5
3	MP2A	Mx	-.087	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	-117.085	5.5
6	MP2A	Mx	-.087	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	-110.788	1.5
9	MP2B	Mx	.021	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	-110.788	5.5
12	MP2B	Mx	.021	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	-83.009	1.5
15	MP2C	Mx	.046	1.5
16	MP2C	X	0	5.5
17	MP2C	Z	-83.009	5.5
18	MP2C	Mx	.046	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	-117.085	1.5
21	MP2A	Mx	.037	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-117.085	5.5
24	MP2A	Mx	.037	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-110.788	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.085	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	-110.788	5.5
30	MP2B	Mx	-.085	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	-83.009	1.5
33	MP2C	Mx	.037	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-83.009	5.5
36	MP2C	Mx	.037	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	-63.87	2.5
39	MP3A	Mx	.013	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	-63.87	4.5
42	MP3A	Mx	.013	4.5
43	MP3B	X	0	2.5
44	MP3B	Z	-57.313	2.5
45	MP3B	Mx	.016	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	-57.313	4.5
48	MP3B	Mx	.016	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	-28.385	2.5
51	MP3C	Mx	-.014	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	-28.385	4.5
54	MP3C	Mx	-.014	4.5
55	M57A	X	0	1.5
56	M57A	Z	-123.578	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	0	2
59	MP2A	Z	-53.645	2
60	MP2A	Mx	-.011	2
61	MP2B	X	0	2
62	MP2B	Z	-50.802	2
63	MP2B	Mx	-.015	2
64	MP2C	X	0	2
65	MP2C	Z	-38.26	2
66	MP2C	Mx	.019	2
67	MP3A	X	0	1.25
68	MP3A	Z	-52.352	1.25
69	MP3A	Mx	-.011	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	-48.419	1.25
72	MP3B	Mx	-.014	1.25
73	MP3C	X	0	1.25
74	MP3C	Z	-31.073	1.25
75	MP3C	Mx	.015	1.25
76	MP2A	X	0	5
77	MP2A	Z	-53.565	5
78	MP2A	Mx	-.011	5
79	MP2B	X	0	5
80	MP2B	Z	-48.343	5
81	MP2B	Mx	-.014	5
82	MP2C	X	0	5
83	MP2C	Z	-25.309	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2C	Mx	.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	62.123	1.5
2	MP2A	Z	-107.6	1.5
3	MP2A	Mx	-.067	1.5
4	MP2A	X	62.123	5.5
5	MP2A	Z	-107.6	5.5
6	MP2A	Mx	-.067	5.5
7	MP2B	X	45.085	1.5
8	MP2B	Z	-78.089	1.5
9	MP2B	Mx	-.019	1.5
10	MP2B	X	45.085	5.5
11	MP2B	Z	-78.089	5.5
12	MP2B	Mx	-.019	5.5
13	MP2C	X	48.233	1.5
14	MP2C	Z	-83.543	1.5
15	MP2C	Mx	.072	1.5
16	MP2C	X	48.233	5.5
17	MP2C	Z	-83.543	5.5
18	MP2C	Mx	.072	5.5
19	MP2A	X	62.123	1.5
20	MP2A	Z	-107.6	1.5
21	MP2A	Mx	.078	1.5
22	MP2A	X	62.123	5.5
23	MP2A	Z	-107.6	5.5
24	MP2A	Mx	.078	5.5
25	MP2B	X	45.085	1.5
26	MP2B	Z	-78.089	1.5
27	MP2B	Mx	-.063	1.5
28	MP2B	X	45.085	5.5
29	MP2B	Z	-78.089	5.5
30	MP2B	Mx	-.063	5.5
31	MP2C	X	48.233	1.5
32	MP2C	Z	-83.543	1.5
33	MP2C	Mx	.007	1.5
34	MP2C	X	48.233	5.5
35	MP2C	Z	-83.543	5.5
36	MP2C	Mx	.007	5.5
37	MP3A	X	35.664	2.5
38	MP3A	Z	-61.771	2.5
39	MP3A	Mx	-.003	2.5
40	MP3A	X	35.664	4.5
41	MP3A	Z	-61.771	4.5
42	MP3A	Mx	-.003	4.5
43	MP3B	X	17.921	2.5
44	MP3B	Z	-31.04	2.5
45	MP3B	Mx	.016	2.5
46	MP3B	X	17.921	4.5
47	MP3B	Z	-31.04	4.5
48	MP3B	Mx	.016	4.5
49	MP3C	X	21.2	2.5
50	MP3C	Z	-36.719	2.5
51	MP3C	Mx	-.017	2.5
52	MP3C	X	21.2	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-36.719	4.5
54	MP3C	Mx	-.017	4.5
55	M57A	X	57.073	1.5
56	M57A	Z	-98.853	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	28.439	2
59	MP2A	Z	-49.258	2
60	MP2A	Mx	.002	2
61	MP2B	X	20.746	2
62	MP2B	Z	-35.934	2
63	MP2B	Mx	-.019	2
64	MP2C	X	22.168	2
65	MP2C	Z	-38.396	2
66	MP2C	Mx	.018	2
67	MP3A	X	28.412	1.25
68	MP3A	Z	-49.21	1.25
69	MP3A	Mx	.002	1.25
70	MP3B	X	17.772	1.25
71	MP3B	Z	-30.782	1.25
72	MP3B	Mx	-.016	1.25
73	MP3C	X	19.738	1.25
74	MP3C	Z	-34.188	1.25
75	MP3C	Mx	.016	1.25
76	MP2A	X	29.751	5
77	MP2A	Z	-51.531	5
78	MP2A	Mx	.003	5
79	MP2B	X	15.623	5
80	MP2B	Z	-27.06	5
81	MP2B	Mx	-.014	5
82	MP2C	X	18.234	5
83	MP2C	Z	-31.582	5
84	MP2C	Mx	.015	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	95.945	1.5
2	MP2A	Z	-55.394	1.5
3	MP2A	Mx	-.021	1.5
4	MP2A	X	95.945	5.5
5	MP2A	Z	-55.394	5.5
6	MP2A	Mx	-.021	5.5
7	MP2B	X	71.888	1.5
8	MP2B	Z	-41.505	1.5
9	MP2B	Mx	-.046	1.5
10	MP2B	X	71.888	5.5
11	MP2B	Z	-41.505	5.5
12	MP2B	Mx	-.046	5.5
13	MP2C	X	101.398	1.5
14	MP2C	Z	-58.542	1.5
15	MP2C	Mx	.087	1.5
16	MP2C	X	101.398	5.5
17	MP2C	Z	-58.542	5.5
18	MP2C	Mx	.087	5.5
19	MP2A	X	95.945	1.5
20	MP2A	Z	-55.394	1.5
21	MP2A	Mx	.085	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	95.945	5.5
23	MP2A	Z	-55.394	5.5
24	MP2A	Mx	.085	5.5
25	MP2B	X	71.888	1.5
26	MP2B	Z	-41.505	1.5
27	MP2B	Mx	-.037	1.5
28	MP2B	X	71.888	5.5
29	MP2B	Z	-41.505	5.5
30	MP2B	Mx	-.037	5.5
31	MP2C	X	101.398	1.5
32	MP2C	Z	-58.542	1.5
33	MP2C	Mx	-.037	1.5
34	MP2C	X	101.398	5.5
35	MP2C	Z	-58.542	5.5
36	MP2C	Mx	-.037	5.5
37	MP3A	X	49.635	2.5
38	MP3A	Z	-28.656	2.5
39	MP3A	Mx	-.016	2.5
40	MP3A	X	49.635	4.5
41	MP3A	Z	-28.656	4.5
42	MP3A	Mx	-.016	4.5
43	MP3B	X	24.582	2.5
44	MP3B	Z	-14.193	2.5
45	MP3B	Mx	.014	2.5
46	MP3B	X	24.582	4.5
47	MP3B	Z	-14.193	4.5
48	MP3B	Mx	.014	4.5
49	MP3C	X	55.313	2.5
50	MP3C	Z	-31.935	2.5
51	MP3C	Mx	-.013	2.5
52	MP3C	X	55.313	4.5
53	MP3C	Z	-31.935	4.5
54	MP3C	Mx	-.013	4.5
55	M57A	X	86.337	1.5
56	M57A	Z	-49.847	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	43.996	2
59	MP2A	Z	-25.401	2
60	MP2A	Mx	.015	2
61	MP2B	X	33.134	2
62	MP2B	Z	-19.13	2
63	MP2B	Mx	-.019	2
64	MP2C	X	46.458	2
65	MP2C	Z	-26.823	2
66	MP2C	Mx	.011	2
67	MP3A	X	41.932	1.25
68	MP3A	Z	-24.21	1.25
69	MP3A	Mx	.014	1.25
70	MP3B	X	26.91	1.25
71	MP3B	Z	-15.536	1.25
72	MP3B	Mx	-.015	1.25
73	MP3C	X	45.338	1.25
74	MP3C	Z	-26.176	1.25
75	MP3C	Mx	.011	1.25
76	MP2A	X	41.866	5
77	MP2A	Z	-24.172	5
78	MP2A	Mx	.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2B	X	21.918	5
80	MP2B	Z	-12.654	5
81	MP2B	Mx	-.013	5
82	MP2C	X	46.388	5
83	MP2C	Z	-26.782	5
84	MP2C	Mx	.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	90.17	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.019	1.5
4	MP2A	X	90.17	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.019	5.5
7	MP2B	X	96.467	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.072	1.5
10	MP2B	X	96.467	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.072	5.5
13	MP2C	X	124.245	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.067	1.5
16	MP2C	X	124.245	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.067	5.5
19	MP2A	X	90.17	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.063	1.5
22	MP2A	X	90.17	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.063	5.5
25	MP2B	X	96.467	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.007	1.5
28	MP2B	X	96.467	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	124.245	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.078	1.5
34	MP2C	X	124.245	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.078	5.5
37	MP3A	X	35.842	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.016	2.5
40	MP3A	X	35.842	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	-.016	4.5
43	MP3B	X	42.399	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	.017	2.5
46	MP3B	X	42.399	4.5
47	MP3B	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.017	4.5
49	MP3C	X	71.327	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	.003	2.5
52	MP3C	X	71.327	4.5
53	MP3C	Z	0	4.5
54	MP3C	Mx	.003	4.5
55	M57A	X	94.675	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	41.493	2
59	MP2A	Z	0	2
60	MP2A	Mx	.019	2
61	MP2B	X	44.336	2
62	MP2B	Z	0	2
63	MP2B	Mx	-.018	2
64	MP2C	X	56.878	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.002	2
67	MP3A	X	35.544	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	.016	1.25
70	MP3B	X	39.476	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	-.016	1.25
73	MP3C	X	56.823	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	-.002	1.25
76	MP2A	X	31.246	5
77	MP2A	Z	0	5
78	MP2A	Mx	.014	5
79	MP2B	X	36.468	5
80	MP2B	Z	0	5
81	MP2B	Mx	-.015	5
82	MP2C	X	59.502	5
83	MP2C	Z	0	5
84	MP2C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	71.888	1.5
2	MP2A	Z	41.505	1.5
3	MP2A	Mx	.046	1.5
4	MP2A	X	71.888	5.5
5	MP2A	Z	41.505	5.5
6	MP2A	Mx	.046	5.5
7	MP2B	X	101.398	1.5
8	MP2B	Z	58.542	1.5
9	MP2B	Mx	-.087	1.5
10	MP2B	X	101.398	5.5
11	MP2B	Z	58.542	5.5
12	MP2B	Mx	-.087	5.5
13	MP2C	X	95.945	1.5
14	MP2C	Z	55.394	1.5
15	MP2C	Mx	.021	1.5
16	MP2C	X	95.945	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	55.394	5.5
18	MP2C	Mx	.021	5.5
19	MP2A	X	71.888	1.5
20	MP2A	Z	41.505	1.5
21	MP2A	Mx	.037	1.5
22	MP2A	X	71.888	5.5
23	MP2A	Z	41.505	5.5
24	MP2A	Mx	.037	5.5
25	MP2B	X	101.398	1.5
26	MP2B	Z	58.542	1.5
27	MP2B	Mx	.037	1.5
28	MP2B	X	101.398	5.5
29	MP2B	Z	58.542	5.5
30	MP2B	Mx	.037	5.5
31	MP2C	X	95.945	1.5
32	MP2C	Z	55.394	1.5
33	MP2C	Mx	-.085	1.5
34	MP2C	X	95.945	5.5
35	MP2C	Z	55.394	5.5
36	MP2C	Mx	-.085	5.5
37	MP3A	X	24.582	2.5
38	MP3A	Z	14.193	2.5
39	MP3A	Mx	-.014	2.5
40	MP3A	X	24.582	4.5
41	MP3A	Z	14.193	4.5
42	MP3A	Mx	-.014	4.5
43	MP3B	X	55.313	2.5
44	MP3B	Z	31.935	2.5
45	MP3B	Mx	.013	2.5
46	MP3B	X	55.313	4.5
47	MP3B	Z	31.935	4.5
48	MP3B	Mx	.013	4.5
49	MP3C	X	49.635	2.5
50	MP3C	Z	28.656	2.5
51	MP3C	Mx	.016	2.5
52	MP3C	X	49.635	4.5
53	MP3C	Z	28.656	4.5
54	MP3C	Mx	.016	4.5
55	M57A	X	90.16	1.5
56	M57A	Z	52.054	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	33.134	2
59	MP2A	Z	19.13	2
60	MP2A	Mx	.019	2
61	MP2B	X	46.458	2
62	MP2B	Z	26.823	2
63	MP2B	Mx	-.011	2
64	MP2C	X	43.996	2
65	MP2C	Z	25.401	2
66	MP2C	Mx	-.015	2
67	MP3A	X	26.91	1.25
68	MP3A	Z	15.536	1.25
69	MP3A	Mx	.015	1.25
70	MP3B	X	45.338	1.25
71	MP3B	Z	26.176	1.25
72	MP3B	Mx	-.011	1.25
73	MP3C	X	41.932	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	24.21	1.25
75	MP3C	Mx	-.014	1.25
76	MP2A	X	21.918	5
77	MP2A	Z	12.654	5
78	MP2A	Mx	.013	5
79	MP2B	X	46.388	5
80	MP2B	Z	26.782	5
81	MP2B	Mx	-.011	5
82	MP2C	X	41.866	5
83	MP2C	Z	24.172	5
84	MP2C	Mx	-.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	48.233	1.5
2	MP2A	Z	83.543	1.5
3	MP2A	Mx	.072	1.5
4	MP2A	X	48.233	5.5
5	MP2A	Z	83.543	5.5
6	MP2A	Mx	.072	5.5
7	MP2B	X	62.123	1.5
8	MP2B	Z	107.6	1.5
9	MP2B	Mx	-.067	1.5
10	MP2B	X	62.123	5.5
11	MP2B	Z	107.6	5.5
12	MP2B	Mx	-.067	5.5
13	MP2C	X	45.085	1.5
14	MP2C	Z	78.089	1.5
15	MP2C	Mx	-.019	1.5
16	MP2C	X	45.085	5.5
17	MP2C	Z	78.089	5.5
18	MP2C	Mx	-.019	5.5
19	MP2A	X	48.233	1.5
20	MP2A	Z	83.543	1.5
21	MP2A	Mx	.007	1.5
22	MP2A	X	48.233	5.5
23	MP2A	Z	83.543	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	62.123	1.5
26	MP2B	Z	107.6	1.5
27	MP2B	Mx	.078	1.5
28	MP2B	X	62.123	5.5
29	MP2B	Z	107.6	5.5
30	MP2B	Mx	.078	5.5
31	MP2C	X	45.085	1.5
32	MP2C	Z	78.089	1.5
33	MP2C	Mx	-.063	1.5
34	MP2C	X	45.085	5.5
35	MP2C	Z	78.089	5.5
36	MP2C	Mx	-.063	5.5
37	MP3A	X	21.2	2.5
38	MP3A	Z	36.719	2.5
39	MP3A	Mx	-.017	2.5
40	MP3A	X	21.2	4.5
41	MP3A	Z	36.719	4.5
42	MP3A	Mx	-.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	35.664	2.5
44	MP3B	Z	61.771	2.5
45	MP3B	Mx	-.003	2.5
46	MP3B	X	35.664	4.5
47	MP3B	Z	61.771	4.5
48	MP3B	Mx	-.003	4.5
49	MP3C	X	17.921	2.5
50	MP3C	Z	31.04	2.5
51	MP3C	Mx	.016	2.5
52	MP3C	X	17.921	4.5
53	MP3C	Z	31.04	4.5
54	MP3C	Mx	.016	4.5
55	M57A	X	59.28	1.5
56	M57A	Z	102.675	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	22.168	2
59	MP2A	Z	38.396	2
60	MP2A	Mx	.018	2
61	MP2B	X	28.439	2
62	MP2B	Z	49.258	2
63	MP2B	Mx	.002	2
64	MP2C	X	20.746	2
65	MP2C	Z	35.934	2
66	MP2C	Mx	-.019	2
67	MP3A	X	19.738	1.25
68	MP3A	Z	34.188	1.25
69	MP3A	Mx	.016	1.25
70	MP3B	X	28.412	1.25
71	MP3B	Z	49.21	1.25
72	MP3B	Mx	.002	1.25
73	MP3C	X	17.772	1.25
74	MP3C	Z	30.782	1.25
75	MP3C	Mx	-.016	1.25
76	MP2A	X	18.234	5
77	MP2A	Z	31.582	5
78	MP2A	Mx	.015	5
79	MP2B	X	29.751	5
80	MP2B	Z	51.531	5
81	MP2B	Mx	.003	5
82	MP2C	X	15.623	5
83	MP2C	Z	27.06	5
84	MP2C	Mx	-.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	117.085	1.5
3	MP2A	Mx	.087	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	117.085	5.5
6	MP2A	Mx	.087	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	110.788	1.5
9	MP2B	Mx	-.021	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	110.788	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.021	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	83.009	1.5
15	MP2C	Mx	-.046	1.5
16	MP2C	X	0	5.5
17	MP2C	Z	83.009	5.5
18	MP2C	Mx	-.046	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	117.085	1.5
21	MP2A	Mx	-.037	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	117.085	5.5
24	MP2A	Mx	-.037	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	110.788	1.5
27	MP2B	Mx	.085	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	110.788	5.5
30	MP2B	Mx	.085	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	83.009	1.5
33	MP2C	Mx	-.037	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	83.009	5.5
36	MP2C	Mx	-.037	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	63.87	2.5
39	MP3A	Mx	-.013	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	63.87	4.5
42	MP3A	Mx	-.013	4.5
43	MP3B	X	0	2.5
44	MP3B	Z	57.313	2.5
45	MP3B	Mx	-.016	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	57.313	4.5
48	MP3B	Mx	-.016	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	28.385	2.5
51	MP3C	Mx	.014	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	28.385	4.5
54	MP3C	Mx	.014	4.5
55	M57A	X	0	1.5
56	M57A	Z	123.578	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	0	2
59	MP2A	Z	53.645	2
60	MP2A	Mx	.011	2
61	MP2B	X	0	2
62	MP2B	Z	50.802	2
63	MP2B	Mx	.015	2
64	MP2C	X	0	2
65	MP2C	Z	38.26	2
66	MP2C	Mx	-.019	2
67	MP3A	X	0	1.25
68	MP3A	Z	52.352	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	.011	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	48.419	1.25
72	MP3B	Mx	.014	1.25
73	MP3C	X	0	1.25
74	MP3C	Z	31.073	1.25
75	MP3C	Mx	-.015	1.25
76	MP2A	X	0	5
77	MP2A	Z	53.565	5
78	MP2A	Mx	.011	5
79	MP2B	X	0	5
80	MP2B	Z	48.343	5
81	MP2B	Mx	.014	5
82	MP2C	X	0	5
83	MP2C	Z	25.309	5
84	MP2C	Mx	-.013	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-62.123	1.5
2	MP2A	Z	107.6	1.5
3	MP2A	Mx	.067	1.5
4	MP2A	X	-62.123	5.5
5	MP2A	Z	107.6	5.5
6	MP2A	Mx	.067	5.5
7	MP2B	X	-45.085	1.5
8	MP2B	Z	78.089	1.5
9	MP2B	Mx	.019	1.5
10	MP2B	X	-45.085	5.5
11	MP2B	Z	78.089	5.5
12	MP2B	Mx	.019	5.5
13	MP2C	X	-48.233	1.5
14	MP2C	Z	83.543	1.5
15	MP2C	Mx	-.072	1.5
16	MP2C	X	-48.233	5.5
17	MP2C	Z	83.543	5.5
18	MP2C	Mx	-.072	5.5
19	MP2A	X	-62.123	1.5
20	MP2A	Z	107.6	1.5
21	MP2A	Mx	-.078	1.5
22	MP2A	X	-62.123	5.5
23	MP2A	Z	107.6	5.5
24	MP2A	Mx	-.078	5.5
25	MP2B	X	-45.085	1.5
26	MP2B	Z	78.089	1.5
27	MP2B	Mx	.063	1.5
28	MP2B	X	-45.085	5.5
29	MP2B	Z	78.089	5.5
30	MP2B	Mx	.063	5.5
31	MP2C	X	-48.233	1.5
32	MP2C	Z	83.543	1.5
33	MP2C	Mx	-.007	1.5
34	MP2C	X	-48.233	5.5
35	MP2C	Z	83.543	5.5
36	MP2C	Mx	-.007	5.5
37	MP3A	X	-35.664	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	61.771	2.5
39	MP3A	Mx	.003	2.5
40	MP3A	X	-35.664	4.5
41	MP3A	Z	61.771	4.5
42	MP3A	Mx	.003	4.5
43	MP3B	X	-17.921	2.5
44	MP3B	Z	31.04	2.5
45	MP3B	Mx	-.016	2.5
46	MP3B	X	-17.921	4.5
47	MP3B	Z	31.04	4.5
48	MP3B	Mx	-.016	4.5
49	MP3C	X	-21.2	2.5
50	MP3C	Z	36.719	2.5
51	MP3C	Mx	.017	2.5
52	MP3C	X	-21.2	4.5
53	MP3C	Z	36.719	4.5
54	MP3C	Mx	.017	4.5
55	M57A	X	-57.073	1.5
56	M57A	Z	98.853	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-28.439	2
59	MP2A	Z	49.258	2
60	MP2A	Mx	-.002	2
61	MP2B	X	-20.746	2
62	MP2B	Z	35.934	2
63	MP2B	Mx	.019	2
64	MP2C	X	-22.168	2
65	MP2C	Z	38.396	2
66	MP2C	Mx	-.018	2
67	MP3A	X	-28.412	1.25
68	MP3A	Z	49.21	1.25
69	MP3A	Mx	-.002	1.25
70	MP3B	X	-17.772	1.25
71	MP3B	Z	30.782	1.25
72	MP3B	Mx	.016	1.25
73	MP3C	X	-19.738	1.25
74	MP3C	Z	34.188	1.25
75	MP3C	Mx	-.016	1.25
76	MP2A	X	-29.751	5
77	MP2A	Z	51.531	5
78	MP2A	Mx	-.003	5
79	MP2B	X	-15.623	5
80	MP2B	Z	27.06	5
81	MP2B	Mx	.014	5
82	MP2C	X	-18.234	5
83	MP2C	Z	31.582	5
84	MP2C	Mx	-.015	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-95.945	1.5
2	MP2A	Z	55.394	1.5
3	MP2A	Mx	.021	1.5
4	MP2A	X	-95.945	5.5
5	MP2A	Z	55.394	5.5
6	MP2A	Mx	.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-71.888	1.5
8	MP2B	Z	41.505	1.5
9	MP2B	Mx	.046	1.5
10	MP2B	X	-71.888	5.5
11	MP2B	Z	41.505	5.5
12	MP2B	Mx	.046	5.5
13	MP2C	X	-101.398	1.5
14	MP2C	Z	58.542	1.5
15	MP2C	Mx	-.087	1.5
16	MP2C	X	-101.398	5.5
17	MP2C	Z	58.542	5.5
18	MP2C	Mx	-.087	5.5
19	MP2A	X	-95.945	1.5
20	MP2A	Z	55.394	1.5
21	MP2A	Mx	-.085	1.5
22	MP2A	X	-95.945	5.5
23	MP2A	Z	55.394	5.5
24	MP2A	Mx	-.085	5.5
25	MP2B	X	-71.888	1.5
26	MP2B	Z	41.505	1.5
27	MP2B	Mx	.037	1.5
28	MP2B	X	-71.888	5.5
29	MP2B	Z	41.505	5.5
30	MP2B	Mx	.037	5.5
31	MP2C	X	-101.398	1.5
32	MP2C	Z	58.542	1.5
33	MP2C	Mx	.037	1.5
34	MP2C	X	-101.398	5.5
35	MP2C	Z	58.542	5.5
36	MP2C	Mx	.037	5.5
37	MP3A	X	-49.635	2.5
38	MP3A	Z	28.656	2.5
39	MP3A	Mx	.016	2.5
40	MP3A	X	-49.635	4.5
41	MP3A	Z	28.656	4.5
42	MP3A	Mx	.016	4.5
43	MP3B	X	-24.582	2.5
44	MP3B	Z	14.193	2.5
45	MP3B	Mx	-.014	2.5
46	MP3B	X	-24.582	4.5
47	MP3B	Z	14.193	4.5
48	MP3B	Mx	-.014	4.5
49	MP3C	X	-55.313	2.5
50	MP3C	Z	31.935	2.5
51	MP3C	Mx	.013	2.5
52	MP3C	X	-55.313	4.5
53	MP3C	Z	31.935	4.5
54	MP3C	Mx	.013	4.5
55	M57A	X	-86.337	1.5
56	M57A	Z	49.847	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-43.996	2
59	MP2A	Z	25.401	2
60	MP2A	Mx	-.015	2
61	MP2B	X	-33.134	2
62	MP2B	Z	19.13	2
63	MP2B	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2C	X	-46.458	2
65	MP2C	Z	26.823	2
66	MP2C	Mx	-.011	2
67	MP3A	X	-41.932	1.25
68	MP3A	Z	24.21	1.25
69	MP3A	Mx	-.014	1.25
70	MP3B	X	-26.91	1.25
71	MP3B	Z	15.536	1.25
72	MP3B	Mx	.015	1.25
73	MP3C	X	-45.338	1.25
74	MP3C	Z	26.176	1.25
75	MP3C	Mx	-.011	1.25
76	MP2A	X	-41.866	5
77	MP2A	Z	24.172	5
78	MP2A	Mx	-.014	5
79	MP2B	X	-21.918	5
80	MP2B	Z	12.654	5
81	MP2B	Mx	.013	5
82	MP2C	X	-46.388	5
83	MP2C	Z	26.782	5
84	MP2C	Mx	-.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-90.17	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.019	1.5
4	MP2A	X	-90.17	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.019	5.5
7	MP2B	X	-96.467	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.072	1.5
10	MP2B	X	-96.467	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.072	5.5
13	MP2C	X	-124.245	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.067	1.5
16	MP2C	X	-124.245	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.067	5.5
19	MP2A	X	-90.17	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.063	1.5
22	MP2A	X	-90.17	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.063	5.5
25	MP2B	X	-96.467	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.007	1.5
28	MP2B	X	-96.467	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	-124.245	1.5
32	MP2C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.078	1.5
34	MP2C	X	-124.245	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.078	5.5
37	MP3A	X	-35.842	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	.016	2.5
40	MP3A	X	-35.842	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	.016	4.5
43	MP3B	X	-42.399	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	-.017	2.5
46	MP3B	X	-42.399	4.5
47	MP3B	Z	0	4.5
48	MP3B	Mx	-.017	4.5
49	MP3C	X	-71.327	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	-.003	2.5
52	MP3C	X	-71.327	4.5
53	MP3C	Z	0	4.5
54	MP3C	Mx	-.003	4.5
55	M57A	X	-94.675	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-41.493	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.019	2
61	MP2B	X	-44.336	2
62	MP2B	Z	0	2
63	MP2B	Mx	.018	2
64	MP2C	X	-56.878	2
65	MP2C	Z	0	2
66	MP2C	Mx	.002	2
67	MP3A	X	-35.544	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	-.016	1.25
70	MP3B	X	-39.476	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	.016	1.25
73	MP3C	X	-56.823	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	.002	1.25
76	MP2A	X	-31.246	5
77	MP2A	Z	0	5
78	MP2A	Mx	-.014	5
79	MP2B	X	-36.468	5
80	MP2B	Z	0	5
81	MP2B	Mx	.015	5
82	MP2C	X	-59.502	5
83	MP2C	Z	0	5
84	MP2C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-71.888	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-41.505	1.5
3	MP2A	Mx	-.046	1.5
4	MP2A	X	-71.888	5.5
5	MP2A	Z	-41.505	5.5
6	MP2A	Mx	-.046	5.5
7	MP2B	X	-101.398	1.5
8	MP2B	Z	-58.542	1.5
9	MP2B	Mx	.087	1.5
10	MP2B	X	-101.398	5.5
11	MP2B	Z	-58.542	5.5
12	MP2B	Mx	.087	5.5
13	MP2C	X	-95.945	1.5
14	MP2C	Z	-55.394	1.5
15	MP2C	Mx	-.021	1.5
16	MP2C	X	-95.945	5.5
17	MP2C	Z	-55.394	5.5
18	MP2C	Mx	-.021	5.5
19	MP2A	X	-71.888	1.5
20	MP2A	Z	-41.505	1.5
21	MP2A	Mx	-.037	1.5
22	MP2A	X	-71.888	5.5
23	MP2A	Z	-41.505	5.5
24	MP2A	Mx	-.037	5.5
25	MP2B	X	-101.398	1.5
26	MP2B	Z	-58.542	1.5
27	MP2B	Mx	-.037	1.5
28	MP2B	X	-101.398	5.5
29	MP2B	Z	-58.542	5.5
30	MP2B	Mx	-.037	5.5
31	MP2C	X	-95.945	1.5
32	MP2C	Z	-55.394	1.5
33	MP2C	Mx	.085	1.5
34	MP2C	X	-95.945	5.5
35	MP2C	Z	-55.394	5.5
36	MP2C	Mx	.085	5.5
37	MP3A	X	-24.582	2.5
38	MP3A	Z	-14.193	2.5
39	MP3A	Mx	.014	2.5
40	MP3A	X	-24.582	4.5
41	MP3A	Z	-14.193	4.5
42	MP3A	Mx	.014	4.5
43	MP3B	X	-55.313	2.5
44	MP3B	Z	-31.935	2.5
45	MP3B	Mx	-.013	2.5
46	MP3B	X	-55.313	4.5
47	MP3B	Z	-31.935	4.5
48	MP3B	Mx	-.013	4.5
49	MP3C	X	-49.635	2.5
50	MP3C	Z	-28.656	2.5
51	MP3C	Mx	-.016	2.5
52	MP3C	X	-49.635	4.5
53	MP3C	Z	-28.656	4.5
54	MP3C	Mx	-.016	4.5
55	M57A	X	-90.16	1.5
56	M57A	Z	-52.054	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-33.134	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2A	Z	-19.13	2
60	MP2A	Mx	-.019	2
61	MP2B	X	-46.458	2
62	MP2B	Z	-26.823	2
63	MP2B	Mx	.011	2
64	MP2C	X	-43.996	2
65	MP2C	Z	-25.401	2
66	MP2C	Mx	.015	2
67	MP3A	X	-26.91	1.25
68	MP3A	Z	-15.536	1.25
69	MP3A	Mx	-.015	1.25
70	MP3B	X	-45.338	1.25
71	MP3B	Z	-26.176	1.25
72	MP3B	Mx	.011	1.25
73	MP3C	X	-41.932	1.25
74	MP3C	Z	-24.21	1.25
75	MP3C	Mx	.014	1.25
76	MP2A	X	-21.918	5
77	MP2A	Z	-12.654	5
78	MP2A	Mx	-.013	5
79	MP2B	X	-46.388	5
80	MP2B	Z	-26.782	5
81	MP2B	Mx	.011	5
82	MP2C	X	-41.866	5
83	MP2C	Z	-24.172	5
84	MP2C	Mx	.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-48.233	1.5
2	MP2A	Z	-83.543	1.5
3	MP2A	Mx	-.072	1.5
4	MP2A	X	-48.233	5.5
5	MP2A	Z	-83.543	5.5
6	MP2A	Mx	-.072	5.5
7	MP2B	X	-62.123	1.5
8	MP2B	Z	-107.6	1.5
9	MP2B	Mx	.067	1.5
10	MP2B	X	-62.123	5.5
11	MP2B	Z	-107.6	5.5
12	MP2B	Mx	.067	5.5
13	MP2C	X	-45.085	1.5
14	MP2C	Z	-78.089	1.5
15	MP2C	Mx	.019	1.5
16	MP2C	X	-45.085	5.5
17	MP2C	Z	-78.089	5.5
18	MP2C	Mx	.019	5.5
19	MP2A	X	-48.233	1.5
20	MP2A	Z	-83.543	1.5
21	MP2A	Mx	-.007	1.5
22	MP2A	X	-48.233	5.5
23	MP2A	Z	-83.543	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	-62.123	1.5
26	MP2B	Z	-107.6	1.5
27	MP2B	Mx	-.078	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	-62.123	5.5
29	MP2B	Z	-107.6	5.5
30	MP2B	Mx	-.078	5.5
31	MP2C	X	-45.085	1.5
32	MP2C	Z	-78.089	1.5
33	MP2C	Mx	.063	1.5
34	MP2C	X	-45.085	5.5
35	MP2C	Z	-78.089	5.5
36	MP2C	Mx	.063	5.5
37	MP3A	X	-21.2	2.5
38	MP3A	Z	-36.719	2.5
39	MP3A	Mx	.017	2.5
40	MP3A	X	-21.2	4.5
41	MP3A	Z	-36.719	4.5
42	MP3A	Mx	.017	4.5
43	MP3B	X	-35.664	2.5
44	MP3B	Z	-61.771	2.5
45	MP3B	Mx	.003	2.5
46	MP3B	X	-35.664	4.5
47	MP3B	Z	-61.771	4.5
48	MP3B	Mx	.003	4.5
49	MP3C	X	-17.921	2.5
50	MP3C	Z	-31.04	2.5
51	MP3C	Mx	-.016	2.5
52	MP3C	X	-17.921	4.5
53	MP3C	Z	-31.04	4.5
54	MP3C	Mx	-.016	4.5
55	M57A	X	-59.28	1.5
56	M57A	Z	-102.675	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-22.168	2
59	MP2A	Z	-38.396	2
60	MP2A	Mx	-.018	2
61	MP2B	X	-28.439	2
62	MP2B	Z	-49.258	2
63	MP2B	Mx	-.002	2
64	MP2C	X	-20.746	2
65	MP2C	Z	-35.934	2
66	MP2C	Mx	.019	2
67	MP3A	X	-19.738	1.25
68	MP3A	Z	-34.188	1.25
69	MP3A	Mx	-.016	1.25
70	MP3B	X	-28.412	1.25
71	MP3B	Z	-49.21	1.25
72	MP3B	Mx	-.002	1.25
73	MP3C	X	-17.772	1.25
74	MP3C	Z	-30.782	1.25
75	MP3C	Mx	.016	1.25
76	MP2A	X	-18.234	5
77	MP2A	Z	-31.582	5
78	MP2A	Mx	-.015	5
79	MP2B	X	-29.751	5
80	MP2B	Z	-51.531	5
81	MP2B	Mx	-.003	5
82	MP2C	X	-15.623	5
83	MP2C	Z	-27.06	5
84	MP2C	Mx	.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	-16.055	1.5
3	MP2A	Mx	-.012	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	-16.055	5.5
6	MP2A	Mx	-.012	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	-15.263	1.5
9	MP2B	Mx	.003	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	-15.263	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	-11.769	1.5
15	MP2C	Mx	.006	1.5
16	MP2C	X	0	5.5
17	MP2C	Z	-11.769	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	-16.055	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-16.055	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-15.263	1.5
27	MP2B	Mx	-.012	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	-15.263	5.5
30	MP2B	Mx	-.012	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	-11.769	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-11.769	5.5
36	MP2C	Mx	.005	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	-8.961	2.5
39	MP3A	Mx	.002	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	-8.961	4.5
42	MP3A	Mx	.002	4.5
43	MP3B	X	0	2.5
44	MP3B	Z	-8.1	2.5
45	MP3B	Mx	.002	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	-8.1	4.5
48	MP3B	Mx	.002	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	-4.302	2.5
51	MP3C	Mx	-.002	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	-4.302	4.5
54	MP3C	Mx	-.002	4.5
55	M57A	X	0	1.5
56	M57A	Z	-17.265	1.5
57	M57A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	2
59	MP2A	Z	-7.964	2
60	MP2A	Mx	-.002	2
61	MP2B	X	0	2
62	MP2B	Z	-7.579	2
63	MP2B	Mx	-.002	2
64	MP2C	X	0	2
65	MP2C	Z	-5.881	2
66	MP2C	Mx	.003	2
67	MP3A	X	0	1.25
68	MP3A	Z	-7.79	1.25
69	MP3A	Mx	-.002	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	-7.259	1.25
72	MP3B	Mx	-.002	1.25
73	MP3C	X	0	1.25
74	MP3C	Z	-4.915	1.25
75	MP3C	Mx	.002	1.25
76	MP2A	X	0	5
77	MP2A	Z	-7.907	5
78	MP2A	Mx	-.002	5
79	MP2B	X	0	5
80	MP2B	Z	-7.212	5
81	MP2B	Mx	-.002	5
82	MP2C	X	0	5
83	MP2C	Z	-4.15	5
84	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.478	1.5
2	MP2A	Z	-14.684	1.5
3	MP2A	Mx	-.009	1.5
4	MP2A	X	8.478	5.5
5	MP2A	Z	-14.684	5.5
6	MP2A	Mx	-.009	5.5
7	MP2B	X	6.335	1.5
8	MP2B	Z	-10.972	1.5
9	MP2B	Mx	-.003	1.5
10	MP2B	X	6.335	5.5
11	MP2B	Z	-10.972	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	6.731	1.5
14	MP2C	Z	-11.658	1.5
15	MP2C	Mx	.01	1.5
16	MP2C	X	6.731	5.5
17	MP2C	Z	-11.658	5.5
18	MP2C	Mx	.01	5.5
19	MP2A	X	8.478	1.5
20	MP2A	Z	-14.684	1.5
21	MP2A	Mx	.011	1.5
22	MP2A	X	8.478	5.5
23	MP2A	Z	-14.684	5.5
24	MP2A	Mx	.011	5.5
25	MP2B	X	6.335	1.5
26	MP2B	Z	-10.972	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.009	1.5
28	MP2B	X	6.335	5.5
29	MP2B	Z	-10.972	5.5
30	MP2B	Mx	-.009	5.5
31	MP2C	X	6.731	1.5
32	MP2C	Z	-11.658	1.5
33	MP2C	Mx	.001	1.5
34	MP2C	X	6.731	5.5
35	MP2C	Z	-11.658	5.5
36	MP2C	Mx	.001	5.5
37	MP3A	X	4.97	2.5
38	MP3A	Z	-8.609	2.5
39	MP3A	Mx	-.000433	2.5
40	MP3A	X	4.97	4.5
41	MP3A	Z	-8.609	4.5
42	MP3A	Mx	-.000433	4.5
43	MP3B	X	2.64	2.5
44	MP3B	Z	-4.573	2.5
45	MP3B	Mx	.002	2.5
46	MP3B	X	2.64	4.5
47	MP3B	Z	-4.573	4.5
48	MP3B	Mx	.002	4.5
49	MP3C	X	3.071	2.5
50	MP3C	Z	-5.319	2.5
51	MP3C	Mx	-.003	2.5
52	MP3C	X	3.071	4.5
53	MP3C	Z	-5.319	4.5
54	MP3C	Mx	-.003	4.5
55	M57A	X	8.027	1.5
56	M57A	Z	-13.904	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	4.201	2
59	MP2A	Z	-7.276	2
60	MP2A	Mx	.000366	2
61	MP2B	X	3.159	2
62	MP2B	Z	-5.472	2
63	MP2B	Mx	-.003	2
64	MP2C	X	3.352	2
65	MP2C	Z	-5.805	2
66	MP2C	Mx	.003	2
67	MP3A	X	4.197	1.25
68	MP3A	Z	-7.27	1.25
69	MP3A	Mx	.000366	1.25
70	MP3B	X	2.76	1.25
71	MP3B	Z	-4.78	1.25
72	MP3B	Mx	-.003	1.25
73	MP3C	X	3.025	1.25
74	MP3C	Z	-5.24	1.25
75	MP3C	Mx	.002	1.25
76	MP2A	X	4.348	5
77	MP2A	Z	-7.531	5
78	MP2A	Mx	.000379	5
79	MP2B	X	2.47	5
80	MP2B	Z	-4.278	5
81	MP2B	Mx	-.002	5
82	MP2C	X	2.817	5
83	MP2C	Z	-4.879	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.218	1.5
2	MP2A	Z	-7.631	1.5
3	MP2A	Mx	-.003	1.5
4	MP2A	X	13.218	5.5
5	MP2A	Z	-7.631	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	10.192	1.5
8	MP2B	Z	-5.884	1.5
9	MP2B	Mx	-.006	1.5
10	MP2B	X	10.192	5.5
11	MP2B	Z	-5.884	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	13.904	1.5
14	MP2C	Z	-8.027	1.5
15	MP2C	Mx	.012	1.5
16	MP2C	X	13.904	5.5
17	MP2C	Z	-8.027	5.5
18	MP2C	Mx	.012	5.5
19	MP2A	X	13.218	1.5
20	MP2A	Z	-7.631	1.5
21	MP2A	Mx	.012	1.5
22	MP2A	X	13.218	5.5
23	MP2A	Z	-7.631	5.5
24	MP2A	Mx	.012	5.5
25	MP2B	X	10.192	1.5
26	MP2B	Z	-5.884	1.5
27	MP2B	Mx	-.005	1.5
28	MP2B	X	10.192	5.5
29	MP2B	Z	-5.884	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	13.904	1.5
32	MP2C	Z	-8.027	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	13.904	5.5
35	MP2C	Z	-8.027	5.5
36	MP2C	Mx	-.005	5.5
37	MP3A	X	7.015	2.5
38	MP3A	Z	-4.05	2.5
39	MP3A	Mx	-.002	2.5
40	MP3A	X	7.015	4.5
41	MP3A	Z	-4.05	4.5
42	MP3A	Mx	-.002	4.5
43	MP3B	X	3.725	2.5
44	MP3B	Z	-2.151	2.5
45	MP3B	Mx	.002	2.5
46	MP3B	X	3.725	4.5
47	MP3B	Z	-2.151	4.5
48	MP3B	Mx	.002	4.5
49	MP3C	X	7.761	2.5
50	MP3C	Z	-4.481	2.5
51	MP3C	Mx	-.002	2.5
52	MP3C	X	7.761	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-4.481	4.5
54	MP3C	Mx	-.002	4.5
55	M57A	X	12.298	1.5
56	M57A	Z	-7.1	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	6.564	2
59	MP2A	Z	-3.79	2
60	MP2A	Mx	.002	2
61	MP2B	X	5.093	2
62	MP2B	Z	-2.94	2
63	MP2B	Mx	-.003	2
64	MP2C	X	6.897	2
65	MP2C	Z	-3.982	2
66	MP2C	Mx	.002	2
67	MP3A	X	6.286	1.25
68	MP3A	Z	-3.63	1.25
69	MP3A	Mx	.002	1.25
70	MP3B	X	4.257	1.25
71	MP3B	Z	-2.458	1.25
72	MP3B	Mx	-.002	1.25
73	MP3C	X	6.747	1.25
74	MP3C	Z	-3.895	1.25
75	MP3C	Mx	.002	1.25
76	MP2A	X	6.246	5
77	MP2A	Z	-3.606	5
78	MP2A	Mx	.002	5
79	MP2B	X	3.594	5
80	MP2B	Z	-2.075	5
81	MP2B	Mx	-.002	5
82	MP2C	X	6.847	5
83	MP2C	Z	-3.953	5
84	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.669	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.003	1.5
4	MP2A	X	12.669	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	13.461	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.01	1.5
10	MP2B	X	13.461	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.01	5.5
13	MP2C	X	16.955	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.009	1.5
16	MP2C	X	16.955	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.009	5.5
19	MP2A	X	12.669	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.009	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	12.669	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.009	5.5
25	MP2B	X	13.461	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.001	1.5
28	MP2B	X	13.461	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	16.955	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.011	1.5
34	MP2C	X	16.955	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.011	5.5
37	MP3A	X	5.281	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.002	2.5
40	MP3A	X	5.281	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	-.002	4.5
43	MP3B	X	6.142	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	.003	2.5
46	MP3B	X	6.142	4.5
47	MP3B	Z	0	4.5
48	MP3B	Mx	.003	4.5
49	MP3C	X	9.94	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	.000433	2.5
52	MP3C	X	9.94	4.5
53	MP3C	Z	0	4.5
54	MP3C	Mx	.000433	4.5
55	M57A	X	13.556	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	6.318	2
59	MP2A	Z	0	2
60	MP2A	Mx	.003	2
61	MP2B	X	6.703	2
62	MP2B	Z	0	2
63	MP2B	Mx	-.003	2
64	MP2C	X	8.402	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.000366	2
67	MP3A	X	5.519	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	.003	1.25
70	MP3B	X	6.051	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	-.002	1.25
73	MP3C	X	8.394	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	-.000366	1.25
76	MP2A	X	4.94	5
77	MP2A	Z	0	5
78	MP2A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2B	X	5.634	5
80	MP2B	Z	0	5
81	MP2B	Mx	-.002	5
82	MP2C	X	8.696	5
83	MP2C	Z	0	5
84	MP2C	Mx	-.000379	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.192	1.5
2	MP2A	Z	5.884	1.5
3	MP2A	Mx	.006	1.5
4	MP2A	X	10.192	5.5
5	MP2A	Z	5.884	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	13.904	1.5
8	MP2B	Z	8.027	1.5
9	MP2B	Mx	-.012	1.5
10	MP2B	X	13.904	5.5
11	MP2B	Z	8.027	5.5
12	MP2B	Mx	-.012	5.5
13	MP2C	X	13.218	1.5
14	MP2C	Z	7.631	1.5
15	MP2C	Mx	.003	1.5
16	MP2C	X	13.218	5.5
17	MP2C	Z	7.631	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	10.192	1.5
20	MP2A	Z	5.884	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	10.192	5.5
23	MP2A	Z	5.884	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	13.904	1.5
26	MP2B	Z	8.027	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	13.904	5.5
29	MP2B	Z	8.027	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	13.218	1.5
32	MP2C	Z	7.631	1.5
33	MP2C	Mx	-.012	1.5
34	MP2C	X	13.218	5.5
35	MP2C	Z	7.631	5.5
36	MP2C	Mx	-.012	5.5
37	MP3A	X	3.725	2.5
38	MP3A	Z	2.151	2.5
39	MP3A	Mx	-.002	2.5
40	MP3A	X	3.725	4.5
41	MP3A	Z	2.151	4.5
42	MP3A	Mx	-.002	4.5
43	MP3B	X	7.761	2.5
44	MP3B	Z	4.481	2.5
45	MP3B	Mx	.002	2.5
46	MP3B	X	7.761	4.5
47	MP3B	Z	4.481	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.002	4.5
49	MP3C	X	7.015	2.5
50	MP3C	Z	4.05	2.5
51	MP3C	Mx	.002	2.5
52	MP3C	X	7.015	4.5
53	MP3C	Z	4.05	4.5
54	MP3C	Mx	.002	4.5
55	M57A	X	12.788	1.5
56	M57A	Z	7.383	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	5.093	2
59	MP2A	Z	2.94	2
60	MP2A	Mx	.003	2
61	MP2B	X	6.897	2
62	MP2B	Z	3.982	2
63	MP2B	Mx	-.002	2
64	MP2C	X	6.564	2
65	MP2C	Z	3.79	2
66	MP2C	Mx	-.002	2
67	MP3A	X	4.257	1.25
68	MP3A	Z	2.458	1.25
69	MP3A	Mx	.002	1.25
70	MP3B	X	6.747	1.25
71	MP3B	Z	3.895	1.25
72	MP3B	Mx	-.002	1.25
73	MP3C	X	6.286	1.25
74	MP3C	Z	3.63	1.25
75	MP3C	Mx	-.002	1.25
76	MP2A	X	3.594	5
77	MP2A	Z	2.075	5
78	MP2A	Mx	.002	5
79	MP2B	X	6.847	5
80	MP2B	Z	3.953	5
81	MP2B	Mx	-.002	5
82	MP2C	X	6.246	5
83	MP2C	Z	3.606	5
84	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.731	1.5
2	MP2A	Z	11.658	1.5
3	MP2A	Mx	.01	1.5
4	MP2A	X	6.731	5.5
5	MP2A	Z	11.658	5.5
6	MP2A	Mx	.01	5.5
7	MP2B	X	8.478	1.5
8	MP2B	Z	14.684	1.5
9	MP2B	Mx	-.009	1.5
10	MP2B	X	8.478	5.5
11	MP2B	Z	14.684	5.5
12	MP2B	Mx	-.009	5.5
13	MP2C	X	6.335	1.5
14	MP2C	Z	10.972	1.5
15	MP2C	Mx	-.003	1.5
16	MP2C	X	6.335	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	10.972	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	6.731	1.5
20	MP2A	Z	11.658	1.5
21	MP2A	Mx	.001	1.5
22	MP2A	X	6.731	5.5
23	MP2A	Z	11.658	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	8.478	1.5
26	MP2B	Z	14.684	1.5
27	MP2B	Mx	.011	1.5
28	MP2B	X	8.478	5.5
29	MP2B	Z	14.684	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	6.335	1.5
32	MP2C	Z	10.972	1.5
33	MP2C	Mx	-.009	1.5
34	MP2C	X	6.335	5.5
35	MP2C	Z	10.972	5.5
36	MP2C	Mx	-.009	5.5
37	MP3A	X	3.071	2.5
38	MP3A	Z	5.319	2.5
39	MP3A	Mx	-.003	2.5
40	MP3A	X	3.071	4.5
41	MP3A	Z	5.319	4.5
42	MP3A	Mx	-.003	4.5
43	MP3B	X	4.97	2.5
44	MP3B	Z	8.609	2.5
45	MP3B	Mx	-.000433	2.5
46	MP3B	X	4.97	4.5
47	MP3B	Z	8.609	4.5
48	MP3B	Mx	-.000433	4.5
49	MP3C	X	2.64	2.5
50	MP3C	Z	4.573	2.5
51	MP3C	Mx	.002	2.5
52	MP3C	X	2.64	4.5
53	MP3C	Z	4.573	4.5
54	MP3C	Mx	.002	4.5
55	M57A	X	8.311	1.5
56	M57A	Z	14.394	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	3.352	2
59	MP2A	Z	5.805	2
60	MP2A	Mx	.003	2
61	MP2B	X	4.201	2
62	MP2B	Z	7.276	2
63	MP2B	Mx	.000366	2
64	MP2C	X	3.159	2
65	MP2C	Z	5.472	2
66	MP2C	Mx	-.003	2
67	MP3A	X	3.025	1.25
68	MP3A	Z	5.24	1.25
69	MP3A	Mx	.002	1.25
70	MP3B	X	4.197	1.25
71	MP3B	Z	7.27	1.25
72	MP3B	Mx	.000366	1.25
73	MP3C	X	2.76	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	4.78	1.25
75	MP3C	Mx	-.003	1.25
76	MP2A	X	2.817	5
77	MP2A	Z	4.879	5
78	MP2A	Mx	.002	5
79	MP2B	X	4.348	5
80	MP2B	Z	7.531	5
81	MP2B	Mx	.000379	5
82	MP2C	X	2.47	5
83	MP2C	Z	4.278	5
84	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	16.055	1.5
3	MP2A	Mx	.012	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	16.055	5.5
6	MP2A	Mx	.012	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	15.263	1.5
9	MP2B	Mx	-.003	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	15.263	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	11.769	1.5
15	MP2C	Mx	-.006	1.5
16	MP2C	X	0	5.5
17	MP2C	Z	11.769	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	16.055	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	16.055	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	15.263	1.5
27	MP2B	Mx	.012	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	15.263	5.5
30	MP2B	Mx	.012	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	11.769	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	11.769	5.5
36	MP2C	Mx	-.005	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	8.961	2.5
39	MP3A	Mx	-.002	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	8.961	4.5
42	MP3A	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	0	2.5
44	MP3B	Z	8.1	2.5
45	MP3B	Mx	-.002	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	8.1	4.5
48	MP3B	Mx	-.002	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	4.302	2.5
51	MP3C	Mx	.002	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	4.302	4.5
54	MP3C	Mx	.002	4.5
55	M57A	X	0	1.5
56	M57A	Z	17.265	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	0	2
59	MP2A	Z	7.964	2
60	MP2A	Mx	.002	2
61	MP2B	X	0	2
62	MP2B	Z	7.579	2
63	MP2B	Mx	.002	2
64	MP2C	X	0	2
65	MP2C	Z	5.881	2
66	MP2C	Mx	-.003	2
67	MP3A	X	0	1.25
68	MP3A	Z	7.79	1.25
69	MP3A	Mx	.002	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	7.259	1.25
72	MP3B	Mx	.002	1.25
73	MP3C	X	0	1.25
74	MP3C	Z	4.915	1.25
75	MP3C	Mx	-.002	1.25
76	MP2A	X	0	5
77	MP2A	Z	7.907	5
78	MP2A	Mx	.002	5
79	MP2B	X	0	5
80	MP2B	Z	7.212	5
81	MP2B	Mx	.002	5
82	MP2C	X	0	5
83	MP2C	Z	4.15	5
84	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.478	1.5
2	MP2A	Z	14.684	1.5
3	MP2A	Mx	.009	1.5
4	MP2A	X	-8.478	5.5
5	MP2A	Z	14.684	5.5
6	MP2A	Mx	.009	5.5
7	MP2B	X	-6.335	1.5
8	MP2B	Z	10.972	1.5
9	MP2B	Mx	.003	1.5
10	MP2B	X	-6.335	5.5
11	MP2B	Z	10.972	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.003	5.5
13	MP2C	X	-6.731	1.5
14	MP2C	Z	11.658	1.5
15	MP2C	Mx	-.01	1.5
16	MP2C	X	-6.731	5.5
17	MP2C	Z	11.658	5.5
18	MP2C	Mx	-.01	5.5
19	MP2A	X	-8.478	1.5
20	MP2A	Z	14.684	1.5
21	MP2A	Mx	-.011	1.5
22	MP2A	X	-8.478	5.5
23	MP2A	Z	14.684	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	-6.335	1.5
26	MP2B	Z	10.972	1.5
27	MP2B	Mx	.009	1.5
28	MP2B	X	-6.335	5.5
29	MP2B	Z	10.972	5.5
30	MP2B	Mx	.009	5.5
31	MP2C	X	-6.731	1.5
32	MP2C	Z	11.658	1.5
33	MP2C	Mx	-.001	1.5
34	MP2C	X	-6.731	5.5
35	MP2C	Z	11.658	5.5
36	MP2C	Mx	-.001	5.5
37	MP3A	X	-4.97	2.5
38	MP3A	Z	8.609	2.5
39	MP3A	Mx	.000433	2.5
40	MP3A	X	-4.97	4.5
41	MP3A	Z	8.609	4.5
42	MP3A	Mx	.000433	4.5
43	MP3B	X	-2.64	2.5
44	MP3B	Z	4.573	2.5
45	MP3B	Mx	-.002	2.5
46	MP3B	X	-2.64	4.5
47	MP3B	Z	4.573	4.5
48	MP3B	Mx	-.002	4.5
49	MP3C	X	-3.071	2.5
50	MP3C	Z	5.319	2.5
51	MP3C	Mx	.003	2.5
52	MP3C	X	-3.071	4.5
53	MP3C	Z	5.319	4.5
54	MP3C	Mx	.003	4.5
55	M57A	X	-8.027	1.5
56	M57A	Z	13.904	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-4.201	2
59	MP2A	Z	7.276	2
60	MP2A	Mx	-.000366	2
61	MP2B	X	-3.159	2
62	MP2B	Z	5.472	2
63	MP2B	Mx	.003	2
64	MP2C	X	-3.352	2
65	MP2C	Z	5.805	2
66	MP2C	Mx	-.003	2
67	MP3A	X	-4.197	1.25
68	MP3A	Z	7.27	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.000366	1.25
70	MP3B	X	-2.76	1.25
71	MP3B	Z	4.78	1.25
72	MP3B	Mx	.003	1.25
73	MP3C	X	-3.025	1.25
74	MP3C	Z	5.24	1.25
75	MP3C	Mx	-.002	1.25
76	MP2A	X	-4.348	5
77	MP2A	Z	7.531	5
78	MP2A	Mx	-.000379	5
79	MP2B	X	-2.47	5
80	MP2B	Z	4.278	5
81	MP2B	Mx	.002	5
82	MP2C	X	-2.817	5
83	MP2C	Z	4.879	5
84	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.218	1.5
2	MP2A	Z	7.631	1.5
3	MP2A	Mx	.003	1.5
4	MP2A	X	-13.218	5.5
5	MP2A	Z	7.631	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-10.192	1.5
8	MP2B	Z	5.884	1.5
9	MP2B	Mx	.006	1.5
10	MP2B	X	-10.192	5.5
11	MP2B	Z	5.884	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	-13.904	1.5
14	MP2C	Z	8.027	1.5
15	MP2C	Mx	-.012	1.5
16	MP2C	X	-13.904	5.5
17	MP2C	Z	8.027	5.5
18	MP2C	Mx	-.012	5.5
19	MP2A	X	-13.218	1.5
20	MP2A	Z	7.631	1.5
21	MP2A	Mx	-.012	1.5
22	MP2A	X	-13.218	5.5
23	MP2A	Z	7.631	5.5
24	MP2A	Mx	-.012	5.5
25	MP2B	X	-10.192	1.5
26	MP2B	Z	5.884	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	-10.192	5.5
29	MP2B	Z	5.884	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	-13.904	1.5
32	MP2C	Z	8.027	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	-13.904	5.5
35	MP2C	Z	8.027	5.5
36	MP2C	Mx	.005	5.5
37	MP3A	X	-7.015	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	4.05	2.5
39	MP3A	Mx	.002	2.5
40	MP3A	X	-7.015	4.5
41	MP3A	Z	4.05	4.5
42	MP3A	Mx	.002	4.5
43	MP3B	X	-3.725	2.5
44	MP3B	Z	2.151	2.5
45	MP3B	Mx	-.002	2.5
46	MP3B	X	-3.725	4.5
47	MP3B	Z	2.151	4.5
48	MP3B	Mx	-.002	4.5
49	MP3C	X	-7.761	2.5
50	MP3C	Z	4.481	2.5
51	MP3C	Mx	.002	2.5
52	MP3C	X	-7.761	4.5
53	MP3C	Z	4.481	4.5
54	MP3C	Mx	.002	4.5
55	M57A	X	-12.298	1.5
56	M57A	Z	7.1	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-6.564	2
59	MP2A	Z	3.79	2
60	MP2A	Mx	-.002	2
61	MP2B	X	-5.093	2
62	MP2B	Z	2.94	2
63	MP2B	Mx	.003	2
64	MP2C	X	-6.897	2
65	MP2C	Z	3.982	2
66	MP2C	Mx	-.002	2
67	MP3A	X	-6.286	1.25
68	MP3A	Z	3.63	1.25
69	MP3A	Mx	-.002	1.25
70	MP3B	X	-4.257	1.25
71	MP3B	Z	2.458	1.25
72	MP3B	Mx	.002	1.25
73	MP3C	X	-6.747	1.25
74	MP3C	Z	3.895	1.25
75	MP3C	Mx	-.002	1.25
76	MP2A	X	-6.246	5
77	MP2A	Z	3.606	5
78	MP2A	Mx	-.002	5
79	MP2B	X	-3.594	5
80	MP2B	Z	2.075	5
81	MP2B	Mx	.002	5
82	MP2C	X	-6.847	5
83	MP2C	Z	3.953	5
84	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.669	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.003	1.5
4	MP2A	X	-12.669	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-13.461	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.01	1.5
10	MP2B	X	-13.461	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.01	5.5
13	MP2C	X	-16.955	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.009	1.5
16	MP2C	X	-16.955	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.009	5.5
19	MP2A	X	-12.669	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.009	1.5
22	MP2A	X	-12.669	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.009	5.5
25	MP2B	X	-13.461	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.001	1.5
28	MP2B	X	-13.461	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	-16.955	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.011	1.5
34	MP2C	X	-16.955	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.011	5.5
37	MP3A	X	-5.281	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	.002	2.5
40	MP3A	X	-5.281	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	.002	4.5
43	MP3B	X	-6.142	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	-.003	2.5
46	MP3B	X	-6.142	4.5
47	MP3B	Z	0	4.5
48	MP3B	Mx	-.003	4.5
49	MP3C	X	-9.94	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	-.000433	2.5
52	MP3C	X	-9.94	4.5
53	MP3C	Z	0	4.5
54	MP3C	Mx	-.000433	4.5
55	M57A	X	-13.556	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-6.318	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.003	2
61	MP2B	X	-6.703	2
62	MP2B	Z	0	2
63	MP2B	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2C	X	-8.402	2
65	MP2C	Z	0	2
66	MP2C	Mx	.000366	2
67	MP3A	X	-5.519	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	-.003	1.25
70	MP3B	X	-6.051	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	.002	1.25
73	MP3C	X	-8.394	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	.000366	1.25
76	MP2A	X	-4.94	5
77	MP2A	Z	0	5
78	MP2A	Mx	-.002	5
79	MP2B	X	-5.634	5
80	MP2B	Z	0	5
81	MP2B	Mx	.002	5
82	MP2C	X	-8.696	5
83	MP2C	Z	0	5
84	MP2C	Mx	.000379	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.192	1.5
2	MP2A	Z	-5.884	1.5
3	MP2A	Mx	-.006	1.5
4	MP2A	X	-10.192	5.5
5	MP2A	Z	-5.884	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	-13.904	1.5
8	MP2B	Z	-8.027	1.5
9	MP2B	Mx	.012	1.5
10	MP2B	X	-13.904	5.5
11	MP2B	Z	-8.027	5.5
12	MP2B	Mx	.012	5.5
13	MP2C	X	-13.218	1.5
14	MP2C	Z	-7.631	1.5
15	MP2C	Mx	-.003	1.5
16	MP2C	X	-13.218	5.5
17	MP2C	Z	-7.631	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	-10.192	1.5
20	MP2A	Z	-5.884	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	-10.192	5.5
23	MP2A	Z	-5.884	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	-13.904	1.5
26	MP2B	Z	-8.027	1.5
27	MP2B	Mx	-.005	1.5
28	MP2B	X	-13.904	5.5
29	MP2B	Z	-8.027	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	-13.218	1.5
32	MP2C	Z	-7.631	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.012	1.5
34	MP2C	X	-13.218	5.5
35	MP2C	Z	-7.631	5.5
36	MP2C	Mx	.012	5.5
37	MP3A	X	-3.725	2.5
38	MP3A	Z	-2.151	2.5
39	MP3A	Mx	.002	2.5
40	MP3A	X	-3.725	4.5
41	MP3A	Z	-2.151	4.5
42	MP3A	Mx	.002	4.5
43	MP3B	X	-7.761	2.5
44	MP3B	Z	-4.481	2.5
45	MP3B	Mx	-.002	2.5
46	MP3B	X	-7.761	4.5
47	MP3B	Z	-4.481	4.5
48	MP3B	Mx	-.002	4.5
49	MP3C	X	-7.015	2.5
50	MP3C	Z	-4.05	2.5
51	MP3C	Mx	-.002	2.5
52	MP3C	X	-7.015	4.5
53	MP3C	Z	-4.05	4.5
54	MP3C	Mx	-.002	4.5
55	M57A	X	-12.788	1.5
56	M57A	Z	-7.383	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-5.093	2
59	MP2A	Z	-2.94	2
60	MP2A	Mx	-.003	2
61	MP2B	X	-6.897	2
62	MP2B	Z	-3.982	2
63	MP2B	Mx	.002	2
64	MP2C	X	-6.564	2
65	MP2C	Z	-3.79	2
66	MP2C	Mx	.002	2
67	MP3A	X	-4.257	1.25
68	MP3A	Z	-2.458	1.25
69	MP3A	Mx	-.002	1.25
70	MP3B	X	-6.747	1.25
71	MP3B	Z	-3.895	1.25
72	MP3B	Mx	.002	1.25
73	MP3C	X	-6.286	1.25
74	MP3C	Z	-3.63	1.25
75	MP3C	Mx	.002	1.25
76	MP2A	X	-3.594	5
77	MP2A	Z	-2.075	5
78	MP2A	Mx	-.002	5
79	MP2B	X	-6.847	5
80	MP2B	Z	-3.953	5
81	MP2B	Mx	.002	5
82	MP2C	X	-6.246	5
83	MP2C	Z	-3.606	5
84	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.731	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-11.658	1.5
3	MP2A	Mx	-.01	1.5
4	MP2A	X	-6.731	5.5
5	MP2A	Z	-11.658	5.5
6	MP2A	Mx	-.01	5.5
7	MP2B	X	-8.478	1.5
8	MP2B	Z	-14.684	1.5
9	MP2B	Mx	.009	1.5
10	MP2B	X	-8.478	5.5
11	MP2B	Z	-14.684	5.5
12	MP2B	Mx	.009	5.5
13	MP2C	X	-6.335	1.5
14	MP2C	Z	-10.972	1.5
15	MP2C	Mx	.003	1.5
16	MP2C	X	-6.335	5.5
17	MP2C	Z	-10.972	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	-6.731	1.5
20	MP2A	Z	-11.658	1.5
21	MP2A	Mx	-.001	1.5
22	MP2A	X	-6.731	5.5
23	MP2A	Z	-11.658	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	-8.478	1.5
26	MP2B	Z	-14.684	1.5
27	MP2B	Mx	-.011	1.5
28	MP2B	X	-8.478	5.5
29	MP2B	Z	-14.684	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	-6.335	1.5
32	MP2C	Z	-10.972	1.5
33	MP2C	Mx	.009	1.5
34	MP2C	X	-6.335	5.5
35	MP2C	Z	-10.972	5.5
36	MP2C	Mx	.009	5.5
37	MP3A	X	-3.071	2.5
38	MP3A	Z	-5.319	2.5
39	MP3A	Mx	.003	2.5
40	MP3A	X	-3.071	4.5
41	MP3A	Z	-5.319	4.5
42	MP3A	Mx	.003	4.5
43	MP3B	X	-4.97	2.5
44	MP3B	Z	-8.609	2.5
45	MP3B	Mx	.000433	2.5
46	MP3B	X	-4.97	4.5
47	MP3B	Z	-8.609	4.5
48	MP3B	Mx	.000433	4.5
49	MP3C	X	-2.64	2.5
50	MP3C	Z	-4.573	2.5
51	MP3C	Mx	-.002	2.5
52	MP3C	X	-2.64	4.5
53	MP3C	Z	-4.573	4.5
54	MP3C	Mx	-.002	4.5
55	M57A	X	-8.311	1.5
56	M57A	Z	-14.394	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-3.352	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2A	Z	-5.805	2
60	MP2A	Mx	-.003	2
61	MP2B	X	-4.201	2
62	MP2B	Z	-7.276	2
63	MP2B	Mx	-.000366	2
64	MP2C	X	-3.159	2
65	MP2C	Z	-5.472	2
66	MP2C	Mx	.003	2
67	MP3A	X	-3.025	1.25
68	MP3A	Z	-5.24	1.25
69	MP3A	Mx	-.002	1.25
70	MP3B	X	-4.197	1.25
71	MP3B	Z	-7.27	1.25
72	MP3B	Mx	-.000366	1.25
73	MP3C	X	-2.76	1.25
74	MP3C	Z	-4.78	1.25
75	MP3C	Mx	.003	1.25
76	MP2A	X	-2.817	5
77	MP2A	Z	-4.879	5
78	MP2A	Mx	-.002	5
79	MP2B	X	-4.348	5
80	MP2B	Z	-7.531	5
81	MP2B	Mx	-.000379	5
82	MP2C	X	-2.47	5
83	MP2C	Z	-4.278	5
84	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	-8.108	1.5
3	MP2A	Mx	-.006	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	-8.108	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	-7.672	1.5
9	MP2B	Mx	.001	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	-7.672	5.5
12	MP2B	Mx	.001	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	-5.749	1.5
15	MP2C	Mx	.003	1.5
16	MP2C	X	0	5.5
17	MP2C	Z	-5.749	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	-8.108	1.5
21	MP2A	Mx	.003	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-8.108	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-7.672	1.5
27	MP2B	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	0	5.5
29	MP2B	Z	-7.672	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	-5.749	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-5.749	5.5
36	MP2C	Mx	.003	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	-4.423	2.5
39	MP3A	Mx	.000935	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	-4.423	4.5
42	MP3A	Mx	.000935	4.5
43	MP3B	X	0	2.5
44	MP3B	Z	-3.969	2.5
45	MP3B	Mx	.001	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	-3.969	4.5
48	MP3B	Mx	.001	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	-1.966	2.5
51	MP3C	Mx	-.000979	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	-1.966	4.5
54	MP3C	Mx	-.000979	4.5
55	M57A	X	0	1.5
56	M57A	Z	-8.558	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	0	2
59	MP2A	Z	-3.715	2
60	MP2A	Mx	-.000785	2
61	MP2B	X	0	2
62	MP2B	Z	-3.518	2
63	MP2B	Mx	-.001	2
64	MP2C	X	0	2
65	MP2C	Z	-2.65	2
66	MP2C	Mx	.001	2
67	MP3A	X	0	1.25
68	MP3A	Z	-3.625	1.25
69	MP3A	Mx	-.000766	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	-3.353	1.25
72	MP3B	Mx	-.000962	1.25
73	MP3C	X	0	1.25
74	MP3C	Z	-2.152	1.25
75	MP3C	Mx	.001	1.25
76	MP2A	X	0	5
77	MP2A	Z	-3.709	5
78	MP2A	Mx	-.000784	5
79	MP2B	X	0	5
80	MP2B	Z	-3.348	5
81	MP2B	Mx	-.00096	5
82	MP2C	X	0	5
83	MP2C	Z	-1.753	5
84	MP2C	Mx	.000873	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.302	1.5
2	MP2A	Z	-7.452	1.5
3	MP2A	Mx	-.005	1.5
4	MP2A	X	4.302	5.5
5	MP2A	Z	-7.452	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	3.122	1.5
8	MP2B	Z	-5.408	1.5
9	MP2B	Mx	-.001	1.5
10	MP2B	X	3.122	5.5
11	MP2B	Z	-5.408	5.5
12	MP2B	Mx	-.001	5.5
13	MP2C	X	3.34	1.5
14	MP2C	Z	-5.785	1.5
15	MP2C	Mx	.005	1.5
16	MP2C	X	3.34	5.5
17	MP2C	Z	-5.785	5.5
18	MP2C	Mx	.005	5.5
19	MP2A	X	4.302	1.5
20	MP2A	Z	-7.452	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	4.302	5.5
23	MP2A	Z	-7.452	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	3.122	1.5
26	MP2B	Z	-5.408	1.5
27	MP2B	Mx	-.004	1.5
28	MP2B	X	3.122	5.5
29	MP2B	Z	-5.408	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	3.34	1.5
32	MP2C	Z	-5.785	1.5
33	MP2C	Mx	.000501	1.5
34	MP2C	X	3.34	5.5
35	MP2C	Z	-5.785	5.5
36	MP2C	Mx	.000501	5.5
37	MP3A	X	2.47	2.5
38	MP3A	Z	-4.278	2.5
39	MP3A	Mx	-.000215	2.5
40	MP3A	X	2.47	4.5
41	MP3A	Z	-4.278	4.5
42	MP3A	Mx	-.000215	4.5
43	MP3B	X	1.241	2.5
44	MP3B	Z	-2.15	2.5
45	MP3B	Mx	.001	2.5
46	MP3B	X	1.241	4.5
47	MP3B	Z	-2.15	4.5
48	MP3B	Mx	.001	4.5
49	MP3C	X	1.468	2.5
50	MP3C	Z	-2.543	2.5
51	MP3C	Mx	-.001	2.5
52	MP3C	X	1.468	4.5
53	MP3C	Z	-2.543	4.5
54	MP3C	Mx	-.001	4.5
55	M57A	X	3.952	1.5
56	M57A	Z	-6.846	1.5
57	M57A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	1.969	2
59	MP2A	Z	-3.411	2
60	MP2A	Mx	.000171	2
61	MP2B	X	1.437	2
62	MP2B	Z	-2.488	2
63	MP2B	Mx	-.001	2
64	MP2C	X	1.535	2
65	MP2C	Z	-2.659	2
66	MP2C	Mx	.001	2
67	MP3A	X	1.968	1.25
68	MP3A	Z	-3.408	1.25
69	MP3A	Mx	.000172	1.25
70	MP3B	X	1.231	1.25
71	MP3B	Z	-2.132	1.25
72	MP3B	Mx	-.001	1.25
73	MP3C	X	1.367	1.25
74	MP3C	Z	-2.368	1.25
75	MP3C	Mx	.001	1.25
76	MP2A	X	2.06	5
77	MP2A	Z	-3.569	5
78	MP2A	Mx	.000179	5
79	MP2B	X	1.082	5
80	MP2B	Z	-1.874	5
81	MP2B	Mx	-.000981	5
82	MP2C	X	1.263	5
83	MP2C	Z	-2.187	5
84	MP2C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.644	1.5
2	MP2A	Z	-3.836	1.5
3	MP2A	Mx	-.001	1.5
4	MP2A	X	6.644	5.5
5	MP2A	Z	-3.836	5.5
6	MP2A	Mx	-.001	5.5
7	MP2B	X	4.978	1.5
8	MP2B	Z	-2.874	1.5
9	MP2B	Mx	-.003	1.5
10	MP2B	X	4.978	5.5
11	MP2B	Z	-2.874	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	7.022	1.5
14	MP2C	Z	-4.054	1.5
15	MP2C	Mx	.006	1.5
16	MP2C	X	7.022	5.5
17	MP2C	Z	-4.054	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	6.644	1.5
20	MP2A	Z	-3.836	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	6.644	5.5
23	MP2A	Z	-3.836	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	4.978	1.5
26	MP2B	Z	-2.874	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.003	1.5
28	MP2B	X	4.978	5.5
29	MP2B	Z	-2.874	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	7.022	1.5
32	MP2C	Z	-4.054	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	7.022	5.5
35	MP2C	Z	-4.054	5.5
36	MP2C	Mx	-.003	5.5
37	MP3A	X	3.437	2.5
38	MP3A	Z	-1.985	2.5
39	MP3A	Mx	-.001	2.5
40	MP3A	X	3.437	4.5
41	MP3A	Z	-1.985	4.5
42	MP3A	Mx	-.001	4.5
43	MP3B	X	1.702	2.5
44	MP3B	Z	-.983	2.5
45	MP3B	Mx	.000979	2.5
46	MP3B	X	1.702	4.5
47	MP3B	Z	-.983	4.5
48	MP3B	Mx	.000979	4.5
49	MP3C	X	3.831	2.5
50	MP3C	Z	-2.212	2.5
51	MP3C	Mx	-.000935	2.5
52	MP3C	X	3.831	4.5
53	MP3C	Z	-2.212	4.5
54	MP3C	Mx	-.000935	4.5
55	M57A	X	5.979	1.5
56	M57A	Z	-3.452	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	3.047	2
59	MP2A	Z	-1.759	2
60	MP2A	Mx	.001	2
61	MP2B	X	2.295	2
62	MP2B	Z	-1.325	2
63	MP2B	Mx	-.001	2
64	MP2C	X	3.217	2
65	MP2C	Z	-1.858	2
66	MP2C	Mx	.000785	2
67	MP3A	X	2.904	1.25
68	MP3A	Z	-1.677	1.25
69	MP3A	Mx	.000962	1.25
70	MP3B	X	1.864	1.25
71	MP3B	Z	-1.076	1.25
72	MP3B	Mx	-.001	1.25
73	MP3C	X	3.14	1.25
74	MP3C	Z	-1.813	1.25
75	MP3C	Mx	.000766	1.25
76	MP2A	X	2.899	5
77	MP2A	Z	-1.674	5
78	MP2A	Mx	.00096	5
79	MP2B	X	1.518	5
80	MP2B	Z	-.876	5
81	MP2B	Mx	-.000873	5
82	MP2C	X	3.212	5
83	MP2C	Z	-1.855	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2C	Mx	.000784	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.244	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.001	1.5
4	MP2A	X	6.244	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.001	5.5
7	MP2B	X	6.681	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.005	1.5
10	MP2B	X	6.681	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	8.604	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.005	1.5
16	MP2C	X	8.604	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.005	5.5
19	MP2A	X	6.244	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.004	1.5
22	MP2A	X	6.244	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	6.681	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.000501	1.5
28	MP2B	X	6.681	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.000501	5.5
31	MP2C	X	8.604	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	8.604	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.005	5.5
37	MP3A	X	2.482	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.001	2.5
40	MP3A	X	2.482	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	-.001	4.5
43	MP3B	X	2.936	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	.001	2.5
46	MP3B	X	2.936	4.5
47	MP3B	Z	0	4.5
48	MP3B	Mx	.001	4.5
49	MP3C	X	4.94	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	.000215	2.5
52	MP3C	X	4.94	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	4.5
54	MP3C	Mx	.000215	4.5
55	M57A	X	6.556	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	2.873	2
59	MP2A	Z	0	2
60	MP2A	Mx	.001	2
61	MP2B	X	3.07	2
62	MP2B	Z	0	2
63	MP2B	Mx	-.001	2
64	MP2C	X	3.939	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.000172	2
67	MP3A	X	2.462	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	.001	1.25
70	MP3B	X	2.734	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	-.001	1.25
73	MP3C	X	3.935	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	-.000171	1.25
76	MP2A	X	2.164	5
77	MP2A	Z	0	5
78	MP2A	Mx	.000981	5
79	MP2B	X	2.525	5
80	MP2B	Z	0	5
81	MP2B	Mx	-.001	5
82	MP2C	X	4.121	5
83	MP2C	Z	0	5
84	MP2C	Mx	-.00018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.978	1.5
2	MP2A	Z	2.874	1.5
3	MP2A	Mx	.003	1.5
4	MP2A	X	4.978	5.5
5	MP2A	Z	2.874	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	7.022	1.5
8	MP2B	Z	4.054	1.5
9	MP2B	Mx	-.006	1.5
10	MP2B	X	7.022	5.5
11	MP2B	Z	4.054	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	6.644	1.5
14	MP2C	Z	3.836	1.5
15	MP2C	Mx	.001	1.5
16	MP2C	X	6.644	5.5
17	MP2C	Z	3.836	5.5
18	MP2C	Mx	.001	5.5
19	MP2A	X	4.978	1.5
20	MP2A	Z	2.874	1.5
21	MP2A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	4.978	5.5
23	MP2A	Z	2.874	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	7.022	1.5
26	MP2B	Z	4.054	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	7.022	5.5
29	MP2B	Z	4.054	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	6.644	1.5
32	MP2C	Z	3.836	1.5
33	MP2C	Mx	-.006	1.5
34	MP2C	X	6.644	5.5
35	MP2C	Z	3.836	5.5
36	MP2C	Mx	-.006	5.5
37	MP3A	X	1.702	2.5
38	MP3A	Z	.983	2.5
39	MP3A	Mx	-.000979	2.5
40	MP3A	X	1.702	4.5
41	MP3A	Z	.983	4.5
42	MP3A	Mx	-.000979	4.5
43	MP3B	X	3.831	2.5
44	MP3B	Z	2.212	2.5
45	MP3B	Mx	.000935	2.5
46	MP3B	X	3.831	4.5
47	MP3B	Z	2.212	4.5
48	MP3B	Mx	.000935	4.5
49	MP3C	X	3.437	2.5
50	MP3C	Z	1.985	2.5
51	MP3C	Mx	.001	2.5
52	MP3C	X	3.437	4.5
53	MP3C	Z	1.985	4.5
54	MP3C	Mx	.001	4.5
55	M57A	X	6.244	1.5
56	M57A	Z	3.605	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	2.295	2
59	MP2A	Z	1.325	2
60	MP2A	Mx	.001	2
61	MP2B	X	3.217	2
62	MP2B	Z	1.858	2
63	MP2B	Mx	-.000785	2
64	MP2C	X	3.047	2
65	MP2C	Z	1.759	2
66	MP2C	Mx	-.001	2
67	MP3A	X	1.864	1.25
68	MP3A	Z	1.076	1.25
69	MP3A	Mx	.001	1.25
70	MP3B	X	3.14	1.25
71	MP3B	Z	1.813	1.25
72	MP3B	Mx	-.000766	1.25
73	MP3C	X	2.904	1.25
74	MP3C	Z	1.677	1.25
75	MP3C	Mx	-.000962	1.25
76	MP2A	X	1.518	5
77	MP2A	Z	.876	5
78	MP2A	Mx	.000873	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2B	X	3.212	5
80	MP2B	Z	1.855	5
81	MP2B	Mx	-.000784	5
82	MP2C	X	2.899	5
83	MP2C	Z	1.674	5
84	MP2C	Mx	-.00096	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.34	1.5
2	MP2A	Z	5.785	1.5
3	MP2A	Mx	.005	1.5
4	MP2A	X	3.34	5.5
5	MP2A	Z	5.785	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	4.302	1.5
8	MP2B	Z	7.452	1.5
9	MP2B	Mx	-.005	1.5
10	MP2B	X	4.302	5.5
11	MP2B	Z	7.452	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	3.122	1.5
14	MP2C	Z	5.408	1.5
15	MP2C	Mx	-.001	1.5
16	MP2C	X	3.122	5.5
17	MP2C	Z	5.408	5.5
18	MP2C	Mx	-.001	5.5
19	MP2A	X	3.34	1.5
20	MP2A	Z	5.785	1.5
21	MP2A	Mx	.000501	1.5
22	MP2A	X	3.34	5.5
23	MP2A	Z	5.785	5.5
24	MP2A	Mx	.000501	5.5
25	MP2B	X	4.302	1.5
26	MP2B	Z	7.452	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	4.302	5.5
29	MP2B	Z	7.452	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	3.122	1.5
32	MP2C	Z	5.408	1.5
33	MP2C	Mx	-.004	1.5
34	MP2C	X	3.122	5.5
35	MP2C	Z	5.408	5.5
36	MP2C	Mx	-.004	5.5
37	MP3A	X	1.468	2.5
38	MP3A	Z	2.543	2.5
39	MP3A	Mx	-.001	2.5
40	MP3A	X	1.468	4.5
41	MP3A	Z	2.543	4.5
42	MP3A	Mx	-.001	4.5
43	MP3B	X	2.47	2.5
44	MP3B	Z	4.278	2.5
45	MP3B	Mx	-.000215	2.5
46	MP3B	X	2.47	4.5
47	MP3B	Z	4.278	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	-.000215	4.5
49	MP3C	X	1.241	2.5
50	MP3C	Z	2.15	2.5
51	MP3C	Mx	.001	2.5
52	MP3C	X	1.241	4.5
53	MP3C	Z	2.15	4.5
54	MP3C	Mx	.001	4.5
55	M57A	X	4.105	1.5
56	M57A	Z	7.11	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	1.535	2
59	MP2A	Z	2.659	2
60	MP2A	Mx	.001	2
61	MP2B	X	1.969	2
62	MP2B	Z	3.411	2
63	MP2B	Mx	.000172	2
64	MP2C	X	1.437	2
65	MP2C	Z	2.488	2
66	MP2C	Mx	-.001	2
67	MP3A	X	1.367	1.25
68	MP3A	Z	2.368	1.25
69	MP3A	Mx	.001	1.25
70	MP3B	X	1.968	1.25
71	MP3B	Z	3.408	1.25
72	MP3B	Mx	.000171	1.25
73	MP3C	X	1.231	1.25
74	MP3C	Z	2.132	1.25
75	MP3C	Mx	-.001	1.25
76	MP2A	X	1.263	5
77	MP2A	Z	2.187	5
78	MP2A	Mx	.001	5
79	MP2B	X	2.06	5
80	MP2B	Z	3.569	5
81	MP2B	Mx	.00018	5
82	MP2C	X	1.082	5
83	MP2C	Z	1.874	5
84	MP2C	Mx	-.000981	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	8.108	1.5
3	MP2A	Mx	.006	1.5
4	MP2A	X	0	5.5
5	MP2A	Z	8.108	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	0	1.5
8	MP2B	Z	7.672	1.5
9	MP2B	Mx	-.001	1.5
10	MP2B	X	0	5.5
11	MP2B	Z	7.672	5.5
12	MP2B	Mx	-.001	5.5
13	MP2C	X	0	1.5
14	MP2C	Z	5.749	1.5
15	MP2C	Mx	-.003	1.5
16	MP2C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	5.749	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	0	1.5
20	MP2A	Z	8.108	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	8.108	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	7.672	1.5
27	MP2B	Mx	.006	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.672	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	5.749	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	5.749	5.5
36	MP2C	Mx	-.003	5.5
37	MP3A	X	0	2.5
38	MP3A	Z	4.423	2.5
39	MP3A	Mx	-.000935	2.5
40	MP3A	X	0	4.5
41	MP3A	Z	4.423	4.5
42	MP3A	Mx	-.000935	4.5
43	MP3B	X	0	2.5
44	MP3B	Z	3.969	2.5
45	MP3B	Mx	-.001	2.5
46	MP3B	X	0	4.5
47	MP3B	Z	3.969	4.5
48	MP3B	Mx	-.001	4.5
49	MP3C	X	0	2.5
50	MP3C	Z	1.966	2.5
51	MP3C	Mx	.000979	2.5
52	MP3C	X	0	4.5
53	MP3C	Z	1.966	4.5
54	MP3C	Mx	.000979	4.5
55	M57A	X	0	1.5
56	M57A	Z	8.558	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	0	2
59	MP2A	Z	3.715	2
60	MP2A	Mx	.000785	2
61	MP2B	X	0	2
62	MP2B	Z	3.518	2
63	MP2B	Mx	.001	2
64	MP2C	X	0	2
65	MP2C	Z	2.65	2
66	MP2C	Mx	-.001	2
67	MP3A	X	0	1.25
68	MP3A	Z	3.625	1.25
69	MP3A	Mx	.000766	1.25
70	MP3B	X	0	1.25
71	MP3B	Z	3.353	1.25
72	MP3B	Mx	.000962	1.25
73	MP3C	X	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	2.152	1.25
75	MP3C	Mx	-.001	1.25
76	MP2A	X	0	5
77	MP2A	Z	3.709	5
78	MP2A	Mx	.000784	5
79	MP2B	X	0	5
80	MP2B	Z	3.348	5
81	MP2B	Mx	.00096	5
82	MP2C	X	0	5
83	MP2C	Z	1.753	5
84	MP2C	Mx	-.000873	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.302	1.5
2	MP2A	Z	7.452	1.5
3	MP2A	Mx	.005	1.5
4	MP2A	X	-4.302	5.5
5	MP2A	Z	7.452	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-3.122	1.5
8	MP2B	Z	5.408	1.5
9	MP2B	Mx	.001	1.5
10	MP2B	X	-3.122	5.5
11	MP2B	Z	5.408	5.5
12	MP2B	Mx	.001	5.5
13	MP2C	X	-3.34	1.5
14	MP2C	Z	5.785	1.5
15	MP2C	Mx	-.005	1.5
16	MP2C	X	-3.34	5.5
17	MP2C	Z	5.785	5.5
18	MP2C	Mx	-.005	5.5
19	MP2A	X	-4.302	1.5
20	MP2A	Z	7.452	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	-4.302	5.5
23	MP2A	Z	7.452	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	-3.122	1.5
26	MP2B	Z	5.408	1.5
27	MP2B	Mx	.004	1.5
28	MP2B	X	-3.122	5.5
29	MP2B	Z	5.408	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	-3.34	1.5
32	MP2C	Z	5.785	1.5
33	MP2C	Mx	-.000501	1.5
34	MP2C	X	-3.34	5.5
35	MP2C	Z	5.785	5.5
36	MP2C	Mx	-.000501	5.5
37	MP3A	X	-2.47	2.5
38	MP3A	Z	4.278	2.5
39	MP3A	Mx	.000215	2.5
40	MP3A	X	-2.47	4.5
41	MP3A	Z	4.278	4.5
42	MP3A	Mx	.000215	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-1.241	2.5
44	MP3B	Z	2.15	2.5
45	MP3B	Mx	-.001	2.5
46	MP3B	X	-1.241	4.5
47	MP3B	Z	2.15	4.5
48	MP3B	Mx	-.001	4.5
49	MP3C	X	-1.468	2.5
50	MP3C	Z	2.543	2.5
51	MP3C	Mx	.001	2.5
52	MP3C	X	-1.468	4.5
53	MP3C	Z	2.543	4.5
54	MP3C	Mx	.001	4.5
55	M57A	X	-3.952	1.5
56	M57A	Z	6.846	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-1.969	2
59	MP2A	Z	3.411	2
60	MP2A	Mx	-.000171	2
61	MP2B	X	-1.437	2
62	MP2B	Z	2.488	2
63	MP2B	Mx	.001	2
64	MP2C	X	-1.535	2
65	MP2C	Z	2.659	2
66	MP2C	Mx	-.001	2
67	MP3A	X	-1.968	1.25
68	MP3A	Z	3.408	1.25
69	MP3A	Mx	-.000172	1.25
70	MP3B	X	-1.231	1.25
71	MP3B	Z	2.132	1.25
72	MP3B	Mx	.001	1.25
73	MP3C	X	-1.367	1.25
74	MP3C	Z	2.368	1.25
75	MP3C	Mx	-.001	1.25
76	MP2A	X	-2.06	5
77	MP2A	Z	3.569	5
78	MP2A	Mx	-.000179	5
79	MP2B	X	-1.082	5
80	MP2B	Z	1.874	5
81	MP2B	Mx	.000981	5
82	MP2C	X	-1.263	5
83	MP2C	Z	2.187	5
84	MP2C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.644	1.5
2	MP2A	Z	3.836	1.5
3	MP2A	Mx	.001	1.5
4	MP2A	X	-6.644	5.5
5	MP2A	Z	3.836	5.5
6	MP2A	Mx	.001	5.5
7	MP2B	X	-4.978	1.5
8	MP2B	Z	2.874	1.5
9	MP2B	Mx	.003	1.5
10	MP2B	X	-4.978	5.5
11	MP2B	Z	2.874	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.003	5.5
13	MP2C	X	-7.022	1.5
14	MP2C	Z	4.054	1.5
15	MP2C	Mx	-.006	1.5
16	MP2C	X	-7.022	5.5
17	MP2C	Z	4.054	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	-6.644	1.5
20	MP2A	Z	3.836	1.5
21	MP2A	Mx	-.006	1.5
22	MP2A	X	-6.644	5.5
23	MP2A	Z	3.836	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	-4.978	1.5
26	MP2B	Z	2.874	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	-4.978	5.5
29	MP2B	Z	2.874	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	-7.022	1.5
32	MP2C	Z	4.054	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	-7.022	5.5
35	MP2C	Z	4.054	5.5
36	MP2C	Mx	.003	5.5
37	MP3A	X	-3.437	2.5
38	MP3A	Z	1.985	2.5
39	MP3A	Mx	.001	2.5
40	MP3A	X	-3.437	4.5
41	MP3A	Z	1.985	4.5
42	MP3A	Mx	.001	4.5
43	MP3B	X	-1.702	2.5
44	MP3B	Z	.983	2.5
45	MP3B	Mx	-.000979	2.5
46	MP3B	X	-1.702	4.5
47	MP3B	Z	.983	4.5
48	MP3B	Mx	-.000979	4.5
49	MP3C	X	-3.831	2.5
50	MP3C	Z	2.212	2.5
51	MP3C	Mx	.000935	2.5
52	MP3C	X	-3.831	4.5
53	MP3C	Z	2.212	4.5
54	MP3C	Mx	.000935	4.5
55	M57A	X	-5.979	1.5
56	M57A	Z	3.452	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-3.047	2
59	MP2A	Z	1.759	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-2.295	2
62	MP2B	Z	1.325	2
63	MP2B	Mx	.001	2
64	MP2C	X	-3.217	2
65	MP2C	Z	1.858	2
66	MP2C	Mx	-.000785	2
67	MP3A	X	-2.904	1.25
68	MP3A	Z	1.677	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.000962	1.25
70	MP3B	X	-1.864	1.25
71	MP3B	Z	1.076	1.25
72	MP3B	Mx	.001	1.25
73	MP3C	X	-3.14	1.25
74	MP3C	Z	1.813	1.25
75	MP3C	Mx	-.000766	1.25
76	MP2A	X	-2.899	5
77	MP2A	Z	1.674	5
78	MP2A	Mx	-.00096	5
79	MP2B	X	-1.518	5
80	MP2B	Z	.876	5
81	MP2B	Mx	.000873	5
82	MP2C	X	-3.212	5
83	MP2C	Z	1.855	5
84	MP2C	Mx	-.000784	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.244	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.001	1.5
4	MP2A	X	-6.244	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.001	5.5
7	MP2B	X	-6.681	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.005	1.5
10	MP2B	X	-6.681	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	-8.604	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.005	1.5
16	MP2C	X	-8.604	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.005	5.5
19	MP2A	X	-6.244	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.004	1.5
22	MP2A	X	-6.244	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	-6.681	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.000501	1.5
28	MP2B	X	-6.681	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.000501	5.5
31	MP2C	X	-8.604	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	-8.604	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.005	5.5
37	MP3A	X	-2.482	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	0	2.5
39	MP3A	Mx	.001	2.5
40	MP3A	X	-2.482	4.5
41	MP3A	Z	0	4.5
42	MP3A	Mx	.001	4.5
43	MP3B	X	-2.936	2.5
44	MP3B	Z	0	2.5
45	MP3B	Mx	-.001	2.5
46	MP3B	X	-2.936	4.5
47	MP3B	Z	0	4.5
48	MP3B	Mx	-.001	4.5
49	MP3C	X	-4.94	2.5
50	MP3C	Z	0	2.5
51	MP3C	Mx	-.000215	2.5
52	MP3C	X	-4.94	4.5
53	MP3C	Z	0	4.5
54	MP3C	Mx	-.000215	4.5
55	M57A	X	-6.556	1.5
56	M57A	Z	0	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-2.873	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-3.07	2
62	MP2B	Z	0	2
63	MP2B	Mx	.001	2
64	MP2C	X	-3.939	2
65	MP2C	Z	0	2
66	MP2C	Mx	.000172	2
67	MP3A	X	-2.462	1.25
68	MP3A	Z	0	1.25
69	MP3A	Mx	-.001	1.25
70	MP3B	X	-2.734	1.25
71	MP3B	Z	0	1.25
72	MP3B	Mx	.001	1.25
73	MP3C	X	-3.935	1.25
74	MP3C	Z	0	1.25
75	MP3C	Mx	.000171	1.25
76	MP2A	X	-2.164	5
77	MP2A	Z	0	5
78	MP2A	Mx	-.000981	5
79	MP2B	X	-2.525	5
80	MP2B	Z	0	5
81	MP2B	Mx	.001	5
82	MP2C	X	-4.121	5
83	MP2C	Z	0	5
84	MP2C	Mx	.00018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.978	1.5
2	MP2A	Z	-2.874	1.5
3	MP2A	Mx	-.003	1.5
4	MP2A	X	-4.978	5.5
5	MP2A	Z	-2.874	5.5
6	MP2A	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-7.022	1.5
8	MP2B	Z	-4.054	1.5
9	MP2B	Mx	.006	1.5
10	MP2B	X	-7.022	5.5
11	MP2B	Z	-4.054	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	-6.644	1.5
14	MP2C	Z	-3.836	1.5
15	MP2C	Mx	-.001	1.5
16	MP2C	X	-6.644	5.5
17	MP2C	Z	-3.836	5.5
18	MP2C	Mx	-.001	5.5
19	MP2A	X	-4.978	1.5
20	MP2A	Z	-2.874	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	-4.978	5.5
23	MP2A	Z	-2.874	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	-7.022	1.5
26	MP2B	Z	-4.054	1.5
27	MP2B	Mx	-.003	1.5
28	MP2B	X	-7.022	5.5
29	MP2B	Z	-4.054	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	-6.644	1.5
32	MP2C	Z	-3.836	1.5
33	MP2C	Mx	.006	1.5
34	MP2C	X	-6.644	5.5
35	MP2C	Z	-3.836	5.5
36	MP2C	Mx	.006	5.5
37	MP3A	X	-1.702	2.5
38	MP3A	Z	-.983	2.5
39	MP3A	Mx	.000979	2.5
40	MP3A	X	-1.702	4.5
41	MP3A	Z	-.983	4.5
42	MP3A	Mx	.000979	4.5
43	MP3B	X	-3.831	2.5
44	MP3B	Z	-2.212	2.5
45	MP3B	Mx	-.000935	2.5
46	MP3B	X	-3.831	4.5
47	MP3B	Z	-2.212	4.5
48	MP3B	Mx	-.000935	4.5
49	MP3C	X	-3.437	2.5
50	MP3C	Z	-1.985	2.5
51	MP3C	Mx	-.001	2.5
52	MP3C	X	-3.437	4.5
53	MP3C	Z	-1.985	4.5
54	MP3C	Mx	-.001	4.5
55	M57A	X	-6.244	1.5
56	M57A	Z	-3.605	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-2.295	2
59	MP2A	Z	-1.325	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-3.217	2
62	MP2B	Z	-1.858	2
63	MP2B	Mx	.000785	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2C	X	-3.047	2
65	MP2C	Z	-1.759	2
66	MP2C	Mx	.001	2
67	MP3A	X	-1.864	1.25
68	MP3A	Z	-1.076	1.25
69	MP3A	Mx	-.001	1.25
70	MP3B	X	-3.14	1.25
71	MP3B	Z	-1.813	1.25
72	MP3B	Mx	.000766	1.25
73	MP3C	X	-2.904	1.25
74	MP3C	Z	-1.677	1.25
75	MP3C	Mx	.000962	1.25
76	MP2A	X	-1.518	5
77	MP2A	Z	-.876	5
78	MP2A	Mx	-.000873	5
79	MP2B	X	-3.212	5
80	MP2B	Z	-1.855	5
81	MP2B	Mx	.000784	5
82	MP2C	X	-2.899	5
83	MP2C	Z	-1.674	5
84	MP2C	Mx	.00096	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.34	1.5
2	MP2A	Z	-5.785	1.5
3	MP2A	Mx	-.005	1.5
4	MP2A	X	-3.34	5.5
5	MP2A	Z	-5.785	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	-4.302	1.5
8	MP2B	Z	-7.452	1.5
9	MP2B	Mx	.005	1.5
10	MP2B	X	-4.302	5.5
11	MP2B	Z	-7.452	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	-3.122	1.5
14	MP2C	Z	-5.408	1.5
15	MP2C	Mx	.001	1.5
16	MP2C	X	-3.122	5.5
17	MP2C	Z	-5.408	5.5
18	MP2C	Mx	.001	5.5
19	MP2A	X	-3.34	1.5
20	MP2A	Z	-5.785	1.5
21	MP2A	Mx	-.000501	1.5
22	MP2A	X	-3.34	5.5
23	MP2A	Z	-5.785	5.5
24	MP2A	Mx	-.000501	5.5
25	MP2B	X	-4.302	1.5
26	MP2B	Z	-7.452	1.5
27	MP2B	Mx	-.005	1.5
28	MP2B	X	-4.302	5.5
29	MP2B	Z	-7.452	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	-3.122	1.5
32	MP2C	Z	-5.408	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.004	1.5
34	MP2C	X	-3.122	5.5
35	MP2C	Z	-5.408	5.5
36	MP2C	Mx	.004	5.5
37	MP3A	X	-1.468	2.5
38	MP3A	Z	-2.543	2.5
39	MP3A	Mx	.001	2.5
40	MP3A	X	-1.468	4.5
41	MP3A	Z	-2.543	4.5
42	MP3A	Mx	.001	4.5
43	MP3B	X	-2.47	2.5
44	MP3B	Z	-4.278	2.5
45	MP3B	Mx	.000215	2.5
46	MP3B	X	-2.47	4.5
47	MP3B	Z	-4.278	4.5
48	MP3B	Mx	.000215	4.5
49	MP3C	X	-1.241	2.5
50	MP3C	Z	-2.15	2.5
51	MP3C	Mx	-.001	2.5
52	MP3C	X	-1.241	4.5
53	MP3C	Z	-2.15	4.5
54	MP3C	Mx	-.001	4.5
55	M57A	X	-4.105	1.5
56	M57A	Z	-7.11	1.5
57	M57A	Mx	0	1.5
58	MP2A	X	-1.535	2
59	MP2A	Z	-2.659	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-1.969	2
62	MP2B	Z	-3.411	2
63	MP2B	Mx	-.000172	2
64	MP2C	X	-1.437	2
65	MP2C	Z	-2.488	2
66	MP2C	Mx	.001	2
67	MP3A	X	-1.367	1.25
68	MP3A	Z	-2.368	1.25
69	MP3A	Mx	-.001	1.25
70	MP3B	X	-1.968	1.25
71	MP3B	Z	-3.408	1.25
72	MP3B	Mx	-.000171	1.25
73	MP3C	X	-1.231	1.25
74	MP3C	Z	-2.132	1.25
75	MP3C	Mx	.001	1.25
76	MP2A	X	-1.263	5
77	MP2A	Z	-2.187	5
78	MP2A	Mx	-.001	5
79	MP2B	X	-2.06	5
80	MP2B	Z	-3.569	5
81	MP2B	Mx	-.00018	5
82	MP2C	X	-1.082	5
83	MP2C	Z	-1.874	5
84	MP2C	Mx	.000981	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M13	Y	-500	%50

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M13	Y	-500	%19

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M13	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M13	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	Y	-9.768	-9.768	0	%100
2	M2	Y	-5.788	-5.788	0	%100
3	M5	Y	-9.768	-9.768	0	%100
4	M6	Y	-5.788	-5.788	0	%100
5	M9	Y	-9.768	-9.768	0	%100
6	M10	Y	-5.788	-5.788	0	%100
7	M13	Y	-6.683	-6.683	0	%100
8	M16	Y	-6.683	-6.683	0	%100
9	M19	Y	-6.683	-6.683	0	%100
10	MP1A	Y	-5.073	-5.073	0	%100
11	MP2A	Y	-5.788	-5.788	0	%100
12	MP3A	Y	-5.073	-5.073	0	%100
13	MP4A	Y	-5.073	-5.073	0	%100
14	MP1C	Y	-5.073	-5.073	0	%100
15	MP2C	Y	-5.788	-5.788	0	%100
16	MP3C	Y	-5.073	-5.073	0	%100
17	MP4C	Y	-5.073	-5.073	0	%100
18	MP1B	Y	-5.073	-5.073	0	%100
19	MP2B	Y	-5.788	-5.788	0	%100
20	MP3B	Y	-5.073	-5.073	0	%100
21	MP4B	Y	-5.073	-5.073	0	%100
22	M57A	Y	-5.073	-5.073	0	%100
23	M58	Y	-6.733	-6.733	0	%100
24	M59A	Y	-6.733	-6.733	0	%100
25	M60	Y	-6.733	-6.733	0	%100
26	M61A	Y	-5.073	-5.073	0	%100
27	M74A	Y	-5.073	-5.073	0	%100
28	M75A	Y	-5.073	-5.073	0	%100
29	M82	Y	-6.733	-6.733	0	%100
30	M83	Y	-6.733	-6.733	0	%100
31	M84	Y	-6.733	-6.733	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-5.386	-5.386	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-9.529	-9.529	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-1.346	-1.346	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
9	M9	X	0	0	0	%100
10	M9	Z	-9.529	-9.529	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-1.346	-1.346	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-10.673	-10.673	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-2.668	-2.668	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-2.668	-2.668	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-7.242	-7.242	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-8.767	-8.767	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-7.242	-7.242	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-7.242	-7.242	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-7.242	-7.242	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-8.767	-8.767	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-7.242	-7.242	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-7.242	-7.242	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-7.242	-7.242	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	-8.767	-8.767	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-7.242	-7.242	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-7.242	-7.242	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-5.922	-5.922	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	-10.394	-10.394	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	-3.459	-3.459	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	-10.394	-10.394	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	-7.242	-7.242	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	-1.811	-1.811	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	-1.811	-1.811	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	-2.23	-2.23	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	-2.23	-2.23	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	-8.921	-8.921	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	1.588	1.588	0	%100
2	M4	Z	-2.751	-2.751	0	%100
3	M2	X	2.02	2.02	0	%100
4	M2	Z	-3.498	-3.498	0	%100
5	M5	X	1.588	1.588	0	%100
6	M5	Z	-2.751	-2.751	0	%100
7	M6	X	2.02	2.02	0	%100
8	M6	Z	-3.498	-3.498	0	%100
9	M9	X	6.353	6.353	0	%100
10	M9	Z	-11.003	-11.003	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	4.002	4.002	0	%100
14	M13	Z	-6.932	-6.932	0	%100
15	M16	X	4.002	4.002	0	%100
16	M16	Z	-6.932	-6.932	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	3.621	3.621	0	%100
20	MP1A	Z	-6.272	-6.272	0	%100
21	MP2A	X	4.383	4.383	0	%100
22	MP2A	Z	-7.592	-7.592	0	%100
23	MP3A	X	3.621	3.621	0	%100
24	MP3A	Z	-6.272	-6.272	0	%100
25	MP4A	X	3.621	3.621	0	%100
26	MP4A	Z	-6.272	-6.272	0	%100
27	MP1C	X	3.621	3.621	0	%100
28	MP1C	Z	-6.272	-6.272	0	%100
29	MP2C	X	4.383	4.383	0	%100
30	MP2C	Z	-7.592	-7.592	0	%100
31	MP3C	X	3.621	3.621	0	%100
32	MP3C	Z	-6.272	-6.272	0	%100
33	MP4C	X	3.621	3.621	0	%100
34	MP4C	Z	-6.272	-6.272	0	%100
35	MP1B	X	3.621	3.621	0	%100
36	MP1B	Z	-6.272	-6.272	0	%100
37	MP2B	X	4.383	4.383	0	%100
38	MP2B	Z	-7.592	-7.592	0	%100
39	MP3B	X	3.621	3.621	0	%100
40	MP3B	Z	-6.272	-6.272	0	%100
41	MP4B	X	3.621	3.621	0	%100
42	MP4B	Z	-6.272	-6.272	0	%100
43	M57A	X	2.961	2.961	0	%100
44	M57A	Z	-5.129	-5.129	0	%100
45	M58	X	2.885	2.885	0	%100
46	M58	Z	-4.998	-4.998	0	%100
47	M59A	X	2.885	2.885	0	%100
48	M59A	Z	-4.998	-4.998	0	%100
49	M60	X	6.353	6.353	0	%100
50	M60	Z	-11.003	-11.003	0	%100
51	M61A	X	2.716	2.716	0	%100
52	M61A	Z	-4.704	-4.704	0	%100
53	M74A	X	2.716	2.716	0	%100
54	M74A	Z	-4.704	-4.704	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	3.345	3.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
58	M82	Z	-5.794	-5.794	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	3.345	3.345	0	%100
62	M84	Z	-5.794	-5.794	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	8.252	8.252	0	%100
2	M4	Z	-4.765	-4.765	0	%100
3	M2	X	1.166	1.166	0	%100
4	M2	Z	-.673	-.673	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	4.664	4.664	0	%100
8	M6	Z	-2.693	-2.693	0	%100
9	M9	X	8.252	8.252	0	%100
10	M9	Z	-4.765	-4.765	0	%100
11	M10	X	1.166	1.166	0	%100
12	M10	Z	-.673	-.673	0	%100
13	M13	X	2.311	2.311	0	%100
14	M13	Z	-1.334	-1.334	0	%100
15	M16	X	9.243	9.243	0	%100
16	M16	Z	-5.336	-5.336	0	%100
17	M19	X	2.311	2.311	0	%100
18	M19	Z	-1.334	-1.334	0	%100
19	MP1A	X	6.272	6.272	0	%100
20	MP1A	Z	-3.621	-3.621	0	%100
21	MP2A	X	7.592	7.592	0	%100
22	MP2A	Z	-4.383	-4.383	0	%100
23	MP3A	X	6.272	6.272	0	%100
24	MP3A	Z	-3.621	-3.621	0	%100
25	MP4A	X	6.272	6.272	0	%100
26	MP4A	Z	-3.621	-3.621	0	%100
27	MP1C	X	6.272	6.272	0	%100
28	MP1C	Z	-3.621	-3.621	0	%100
29	MP2C	X	7.592	7.592	0	%100
30	MP2C	Z	-4.383	-4.383	0	%100
31	MP3C	X	6.272	6.272	0	%100
32	MP3C	Z	-3.621	-3.621	0	%100
33	MP4C	X	6.272	6.272	0	%100
34	MP4C	Z	-3.621	-3.621	0	%100
35	MP1B	X	6.272	6.272	0	%100
36	MP1B	Z	-3.621	-3.621	0	%100
37	MP2B	X	7.592	7.592	0	%100
38	MP2B	Z	-4.383	-4.383	0	%100
39	MP3B	X	6.272	6.272	0	%100
40	MP3B	Z	-3.621	-3.621	0	%100
41	MP4B	X	6.272	6.272	0	%100
42	MP4B	Z	-3.621	-3.621	0	%100
43	M57A	X	5.129	5.129	0	%100
44	M57A	Z	-2.961	-2.961	0	%100
45	M58	X	2.996	2.996	0	%100
46	M58	Z	-1.73	-1.73	0	%100
47	M59A	X	9.001	9.001	0	%100
48	M59A	Z	-5.197	-5.197	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
49	M60	X	9.001	9.001	0	%100
50	M60	Z	-5.197	-5.197	0	%100
51	M61A	X	1.568	1.568	0	%100
52	M61A	Z	-.905	-.905	0	%100
53	M74A	X	6.272	6.272	0	%100
54	M74A	Z	-3.621	-3.621	0	%100
55	M75A	X	1.568	1.568	0	%100
56	M75A	Z	-.905	-.905	0	%100
57	M82	X	7.726	7.726	0	%100
58	M82	Z	-4.46	-4.46	0	%100
59	M83	X	1.931	1.931	0	%100
60	M83	Z	-1.115	-1.115	0	%100
61	M84	X	1.931	1.931	0	%100
62	M84	Z	-1.115	-1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	12.705	12.705	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	3.176	3.176	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	4.039	4.039	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	3.176	3.176	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	4.039	4.039	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	8.004	8.004	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	8.004	8.004	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	7.242	7.242	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	8.767	8.767	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	7.242	7.242	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	7.242	7.242	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	7.242	7.242	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	8.767	8.767	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	7.242	7.242	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	7.242	7.242	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	7.242	7.242	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	8.767	8.767	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	7.242	7.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
40	MP3B	Z	0	0	0	%100
41	MP4B	X	7.242	7.242	0	%100
42	MP4B	Z	0	0	0	%100
43	M57A	X	5.922	5.922	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	5.771	5.771	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	12.705	12.705	0	%100
48	M59A	Z	0	0	0	%100
49	M60	X	5.771	5.771	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	0	0	0	%100
53	M74A	X	5.432	5.432	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	5.432	5.432	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	6.691	6.691	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	6.691	6.691	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	8.252	8.252	0	%100
2	M4	Z	4.765	4.765	0	%100
3	M2	X	1.166	1.166	0	%100
4	M2	Z	.673	.673	0	%100
5	M5	X	8.252	8.252	0	%100
6	M5	Z	4.765	4.765	0	%100
7	M6	X	1.166	1.166	0	%100
8	M6	Z	.673	.673	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	4.664	4.664	0	%100
12	M10	Z	2.693	2.693	0	%100
13	M13	X	2.311	2.311	0	%100
14	M13	Z	1.334	1.334	0	%100
15	M16	X	2.311	2.311	0	%100
16	M16	Z	1.334	1.334	0	%100
17	M19	X	9.243	9.243	0	%100
18	M19	Z	5.336	5.336	0	%100
19	MP1A	X	6.272	6.272	0	%100
20	MP1A	Z	3.621	3.621	0	%100
21	MP2A	X	7.592	7.592	0	%100
22	MP2A	Z	4.383	4.383	0	%100
23	MP3A	X	6.272	6.272	0	%100
24	MP3A	Z	3.621	3.621	0	%100
25	MP4A	X	6.272	6.272	0	%100
26	MP4A	Z	3.621	3.621	0	%100
27	MP1C	X	6.272	6.272	0	%100
28	MP1C	Z	3.621	3.621	0	%100
29	MP2C	X	7.592	7.592	0	%100
30	MP2C	Z	4.383	4.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
31	MP3C	X	6.272	6.272	0	%100
32	MP3C	Z	3.621	3.621	0	%100
33	MP4C	X	6.272	6.272	0	%100
34	MP4C	Z	3.621	3.621	0	%100
35	MP1B	X	6.272	6.272	0	%100
36	MP1B	Z	3.621	3.621	0	%100
37	MP2B	X	7.592	7.592	0	%100
38	MP2B	Z	4.383	4.383	0	%100
39	MP3B	X	6.272	6.272	0	%100
40	MP3B	Z	3.621	3.621	0	%100
41	MP4B	X	6.272	6.272	0	%100
42	MP4B	Z	3.621	3.621	0	%100
43	M57A	X	5.129	5.129	0	%100
44	M57A	Z	2.961	2.961	0	%100
45	M58	X	9.001	9.001	0	%100
46	M58	Z	5.197	5.197	0	%100
47	M59A	X	9.001	9.001	0	%100
48	M59A	Z	5.197	5.197	0	%100
49	M60	X	2.996	2.996	0	%100
50	M60	Z	1.73	1.73	0	%100
51	M61A	X	1.568	1.568	0	%100
52	M61A	Z	.905	.905	0	%100
53	M74A	X	1.568	1.568	0	%100
54	M74A	Z	.905	.905	0	%100
55	M75A	X	6.272	6.272	0	%100
56	M75A	Z	3.621	3.621	0	%100
57	M82	X	1.931	1.931	0	%100
58	M82	Z	1.115	1.115	0	%100
59	M83	X	7.726	7.726	0	%100
60	M83	Z	4.46	4.46	0	%100
61	M84	X	1.931	1.931	0	%100
62	M84	Z	1.115	1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	1.588	1.588	0	%100
2	M4	Z	2.751	2.751	0	%100
3	M2	X	2.02	2.02	0	%100
4	M2	Z	3.498	3.498	0	%100
5	M5	X	6.353	6.353	0	%100
6	M5	Z	11.003	11.003	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	1.588	1.588	0	%100
10	M9	Z	2.751	2.751	0	%100
11	M10	X	2.02	2.02	0	%100
12	M10	Z	3.498	3.498	0	%100
13	M13	X	4.002	4.002	0	%100
14	M13	Z	6.932	6.932	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	4.002	4.002	0	%100
18	M19	Z	6.932	6.932	0	%100
19	MP1A	X	3.621	3.621	0	%100
20	MP1A	Z	6.272	6.272	0	%100
21	MP2A	X	4.383	4.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
22	MP2A	Z	7.592	7.592	0	%100
23	MP3A	X	3.621	3.621	0	%100
24	MP3A	Z	6.272	6.272	0	%100
25	MP4A	X	3.621	3.621	0	%100
26	MP4A	Z	6.272	6.272	0	%100
27	MP1C	X	3.621	3.621	0	%100
28	MP1C	Z	6.272	6.272	0	%100
29	MP2C	X	4.383	4.383	0	%100
30	MP2C	Z	7.592	7.592	0	%100
31	MP3C	X	3.621	3.621	0	%100
32	MP3C	Z	6.272	6.272	0	%100
33	MP4C	X	3.621	3.621	0	%100
34	MP4C	Z	6.272	6.272	0	%100
35	MP1B	X	3.621	3.621	0	%100
36	MP1B	Z	6.272	6.272	0	%100
37	MP2B	X	4.383	4.383	0	%100
38	MP2B	Z	7.592	7.592	0	%100
39	MP3B	X	3.621	3.621	0	%100
40	MP3B	Z	6.272	6.272	0	%100
41	MP4B	X	3.621	3.621	0	%100
42	MP4B	Z	6.272	6.272	0	%100
43	M57A	X	2.961	2.961	0	%100
44	M57A	Z	5.129	5.129	0	%100
45	M58	X	6.353	6.353	0	%100
46	M58	Z	11.003	11.003	0	%100
47	M59A	X	2.885	2.885	0	%100
48	M59A	Z	4.998	4.998	0	%100
49	M60	X	2.885	2.885	0	%100
50	M60	Z	4.998	4.998	0	%100
51	M61A	X	2.716	2.716	0	%100
52	M61A	Z	4.704	4.704	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	2.716	2.716	0	%100
56	M75A	Z	4.704	4.704	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	3.345	3.345	0	%100
60	M83	Z	5.794	5.794	0	%100
61	M84	X	3.345	3.345	0	%100
62	M84	Z	5.794	5.794	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.386	5.386	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	9.529	9.529	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	1.346	1.346	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	9.529	9.529	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	1.346	1.346	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
13	M13	X	0	0	0	%100
14	M13	Z	10.673	10.673	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	2.668	2.668	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	2.668	2.668	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	7.242	7.242	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	8.767	8.767	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	7.242	7.242	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	7.242	7.242	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	7.242	7.242	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	8.767	8.767	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	7.242	7.242	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	7.242	7.242	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	7.242	7.242	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	8.767	8.767	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	7.242	7.242	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	7.242	7.242	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	5.922	5.922	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	10.394	10.394	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	3.459	3.459	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	10.394	10.394	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	7.242	7.242	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	1.811	1.811	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	1.811	1.811	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	2.23	2.23	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	2.23	2.23	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	8.921	8.921	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-1.588	-1.588	0	%100
2	M4	Z	2.751	2.751	0	%100
3	M2	X	-2.02	-2.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
4	M2	Z	3.498	3.498	0	%100
5	M5	X	-1.588	-1.588	0	%100
6	M5	Z	2.751	2.751	0	%100
7	M6	X	-2.02	-2.02	0	%100
8	M6	Z	3.498	3.498	0	%100
9	M9	X	-6.353	-6.353	0	%100
10	M9	Z	11.003	11.003	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	-4.002	-4.002	0	%100
14	M13	Z	6.932	6.932	0	%100
15	M16	X	-4.002	-4.002	0	%100
16	M16	Z	6.932	6.932	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-3.621	-3.621	0	%100
20	MP1A	Z	6.272	6.272	0	%100
21	MP2A	X	-4.383	-4.383	0	%100
22	MP2A	Z	7.592	7.592	0	%100
23	MP3A	X	-3.621	-3.621	0	%100
24	MP3A	Z	6.272	6.272	0	%100
25	MP4A	X	-3.621	-3.621	0	%100
26	MP4A	Z	6.272	6.272	0	%100
27	MP1C	X	-3.621	-3.621	0	%100
28	MP1C	Z	6.272	6.272	0	%100
29	MP2C	X	-4.383	-4.383	0	%100
30	MP2C	Z	7.592	7.592	0	%100
31	MP3C	X	-3.621	-3.621	0	%100
32	MP3C	Z	6.272	6.272	0	%100
33	MP4C	X	-3.621	-3.621	0	%100
34	MP4C	Z	6.272	6.272	0	%100
35	MP1B	X	-3.621	-3.621	0	%100
36	MP1B	Z	6.272	6.272	0	%100
37	MP2B	X	-4.383	-4.383	0	%100
38	MP2B	Z	7.592	7.592	0	%100
39	MP3B	X	-3.621	-3.621	0	%100
40	MP3B	Z	6.272	6.272	0	%100
41	MP4B	X	-3.621	-3.621	0	%100
42	MP4B	Z	6.272	6.272	0	%100
43	M57A	X	-2.961	-2.961	0	%100
44	M57A	Z	5.129	5.129	0	%100
45	M58	X	-2.885	-2.885	0	%100
46	M58	Z	4.998	4.998	0	%100
47	M59A	X	-2.885	-2.885	0	%100
48	M59A	Z	4.998	4.998	0	%100
49	M60	X	-6.353	-6.353	0	%100
50	M60	Z	11.003	11.003	0	%100
51	M61A	X	-2.716	-2.716	0	%100
52	M61A	Z	4.704	4.704	0	%100
53	M74A	X	-2.716	-2.716	0	%100
54	M74A	Z	4.704	4.704	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-3.345	-3.345	0	%100
58	M82	Z	5.794	5.794	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
61	M84	X	-3.345	-3.345	0	%100
62	M84	Z	5.794	5.794	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-8.252	-8.252	0	%100
2	M4	Z	4.765	4.765	0	%100
3	M2	X	-1.166	-1.166	0	%100
4	M2	Z	.673	.673	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-4.664	-4.664	0	%100
8	M6	Z	2.693	2.693	0	%100
9	M9	X	-8.252	-8.252	0	%100
10	M9	Z	4.765	4.765	0	%100
11	M10	X	-1.166	-1.166	0	%100
12	M10	Z	.673	.673	0	%100
13	M13	X	-2.311	-2.311	0	%100
14	M13	Z	1.334	1.334	0	%100
15	M16	X	-9.243	-9.243	0	%100
16	M16	Z	5.336	5.336	0	%100
17	M19	X	-2.311	-2.311	0	%100
18	M19	Z	1.334	1.334	0	%100
19	MP1A	X	-6.272	-6.272	0	%100
20	MP1A	Z	3.621	3.621	0	%100
21	MP2A	X	-7.592	-7.592	0	%100
22	MP2A	Z	4.383	4.383	0	%100
23	MP3A	X	-6.272	-6.272	0	%100
24	MP3A	Z	3.621	3.621	0	%100
25	MP4A	X	-6.272	-6.272	0	%100
26	MP4A	Z	3.621	3.621	0	%100
27	MP1C	X	-6.272	-6.272	0	%100
28	MP1C	Z	3.621	3.621	0	%100
29	MP2C	X	-7.592	-7.592	0	%100
30	MP2C	Z	4.383	4.383	0	%100
31	MP3C	X	-6.272	-6.272	0	%100
32	MP3C	Z	3.621	3.621	0	%100
33	MP4C	X	-6.272	-6.272	0	%100
34	MP4C	Z	3.621	3.621	0	%100
35	MP1B	X	-6.272	-6.272	0	%100
36	MP1B	Z	3.621	3.621	0	%100
37	MP2B	X	-7.592	-7.592	0	%100
38	MP2B	Z	4.383	4.383	0	%100
39	MP3B	X	-6.272	-6.272	0	%100
40	MP3B	Z	3.621	3.621	0	%100
41	MP4B	X	-6.272	-6.272	0	%100
42	MP4B	Z	3.621	3.621	0	%100
43	M57A	X	-5.129	-5.129	0	%100
44	M57A	Z	2.961	2.961	0	%100
45	M58	X	-2.996	-2.996	0	%100
46	M58	Z	1.73	1.73	0	%100
47	M59A	X	-9.001	-9.001	0	%100
48	M59A	Z	5.197	5.197	0	%100
49	M60	X	-9.001	-9.001	0	%100
50	M60	Z	5.197	5.197	0	%100
51	M61A	X	-1.568	-1.568	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
52	M61A	Z	.905	.905	0	%100
53	M74A	X	-6.272	-6.272	0	%100
54	M74A	Z	3.621	3.621	0	%100
55	M75A	X	-1.568	-1.568	0	%100
56	M75A	Z	.905	.905	0	%100
57	M82	X	-7.726	-7.726	0	%100
58	M82	Z	4.46	4.46	0	%100
59	M83	X	-1.931	-1.931	0	%100
60	M83	Z	1.115	1.115	0	%100
61	M84	X	-1.931	-1.931	0	%100
62	M84	Z	1.115	1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-12.705	-12.705	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-3.176	-3.176	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-4.039	-4.039	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-3.176	-3.176	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-4.039	-4.039	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	-8.004	-8.004	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-8.004	-8.004	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-7.242	-7.242	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-8.767	-8.767	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	-7.242	-7.242	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	-7.242	-7.242	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	-7.242	-7.242	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-8.767	-8.767	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-7.242	-7.242	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-7.242	-7.242	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	-7.242	-7.242	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	-8.767	-8.767	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	-7.242	-7.242	0	%100
40	MP3B	Z	0	0	0	%100
41	MP4B	X	-7.242	-7.242	0	%100
42	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
43	M57A	X	-5.922	-5.922	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	-5.771	-5.771	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	-12.705	-12.705	0	%100
48	M59A	Z	0	0	0	%100
49	M60	X	-5.771	-5.771	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	0	0	0	%100
53	M74A	X	-5.432	-5.432	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-5.432	-5.432	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-6.691	-6.691	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-6.691	-6.691	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-8.252	-8.252	0	%100
2	M4	Z	-4.765	-4.765	0	%100
3	M2	X	-1.166	-1.166	0	%100
4	M2	Z	-.673	-.673	0	%100
5	M5	X	-8.252	-8.252	0	%100
6	M5	Z	-4.765	-4.765	0	%100
7	M6	X	-1.166	-1.166	0	%100
8	M6	Z	-.673	-.673	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-4.664	-4.664	0	%100
12	M10	Z	-2.693	-2.693	0	%100
13	M13	X	-2.311	-2.311	0	%100
14	M13	Z	-1.334	-1.334	0	%100
15	M16	X	-2.311	-2.311	0	%100
16	M16	Z	-1.334	-1.334	0	%100
17	M19	X	-9.243	-9.243	0	%100
18	M19	Z	-5.336	-5.336	0	%100
19	MP1A	X	-6.272	-6.272	0	%100
20	MP1A	Z	-3.621	-3.621	0	%100
21	MP2A	X	-7.592	-7.592	0	%100
22	MP2A	Z	-4.383	-4.383	0	%100
23	MP3A	X	-6.272	-6.272	0	%100
24	MP3A	Z	-3.621	-3.621	0	%100
25	MP4A	X	-6.272	-6.272	0	%100
26	MP4A	Z	-3.621	-3.621	0	%100
27	MP1C	X	-6.272	-6.272	0	%100
28	MP1C	Z	-3.621	-3.621	0	%100
29	MP2C	X	-7.592	-7.592	0	%100
30	MP2C	Z	-4.383	-4.383	0	%100
31	MP3C	X	-6.272	-6.272	0	%100
32	MP3C	Z	-3.621	-3.621	0	%100
33	MP4C	X	-6.272	-6.272	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
34	MP4C	Z	-3.621	-3.621	0	%100
35	MP1B	X	-6.272	-6.272	0	%100
36	MP1B	Z	-3.621	-3.621	0	%100
37	MP2B	X	-7.592	-7.592	0	%100
38	MP2B	Z	-4.383	-4.383	0	%100
39	MP3B	X	-6.272	-6.272	0	%100
40	MP3B	Z	-3.621	-3.621	0	%100
41	MP4B	X	-6.272	-6.272	0	%100
42	MP4B	Z	-3.621	-3.621	0	%100
43	M57A	X	-5.129	-5.129	0	%100
44	M57A	Z	-2.961	-2.961	0	%100
45	M58	X	-9.001	-9.001	0	%100
46	M58	Z	-5.197	-5.197	0	%100
47	M59A	X	-9.001	-9.001	0	%100
48	M59A	Z	-5.197	-5.197	0	%100
49	M60	X	-2.996	-2.996	0	%100
50	M60	Z	-1.73	-1.73	0	%100
51	M61A	X	-1.568	-1.568	0	%100
52	M61A	Z	-.905	-.905	0	%100
53	M74A	X	-1.568	-1.568	0	%100
54	M74A	Z	-.905	-.905	0	%100
55	M75A	X	-6.272	-6.272	0	%100
56	M75A	Z	-3.621	-3.621	0	%100
57	M82	X	-1.931	-1.931	0	%100
58	M82	Z	-1.115	-1.115	0	%100
59	M83	X	-7.726	-7.726	0	%100
60	M83	Z	-4.46	-4.46	0	%100
61	M84	X	-1.931	-1.931	0	%100
62	M84	Z	-1.115	-1.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-1.588	-1.588	0	%100
2	M4	Z	-2.751	-2.751	0	%100
3	M2	X	-2.02	-2.02	0	%100
4	M2	Z	-3.498	-3.498	0	%100
5	M5	X	-6.353	-6.353	0	%100
6	M5	Z	-11.003	-11.003	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-1.588	-1.588	0	%100
10	M9	Z	-2.751	-2.751	0	%100
11	M10	X	-2.02	-2.02	0	%100
12	M10	Z	-3.498	-3.498	0	%100
13	M13	X	-4.002	-4.002	0	%100
14	M13	Z	-6.932	-6.932	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-4.002	-4.002	0	%100
18	M19	Z	-6.932	-6.932	0	%100
19	MP1A	X	-3.621	-3.621	0	%100
20	MP1A	Z	-6.272	-6.272	0	%100
21	MP2A	X	-4.383	-4.383	0	%100
22	MP2A	Z	-7.592	-7.592	0	%100
23	MP3A	X	-3.621	-3.621	0	%100
24	MP3A	Z	-6.272	-6.272	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
25	MP4A	X	-3.621	-3.621	0	%100
26	MP4A	Z	-6.272	-6.272	0	%100
27	MP1C	X	-3.621	-3.621	0	%100
28	MP1C	Z	-6.272	-6.272	0	%100
29	MP2C	X	-4.383	-4.383	0	%100
30	MP2C	Z	-7.592	-7.592	0	%100
31	MP3C	X	-3.621	-3.621	0	%100
32	MP3C	Z	-6.272	-6.272	0	%100
33	MP4C	X	-3.621	-3.621	0	%100
34	MP4C	Z	-6.272	-6.272	0	%100
35	MP1B	X	-3.621	-3.621	0	%100
36	MP1B	Z	-6.272	-6.272	0	%100
37	MP2B	X	-4.383	-4.383	0	%100
38	MP2B	Z	-7.592	-7.592	0	%100
39	MP3B	X	-3.621	-3.621	0	%100
40	MP3B	Z	-6.272	-6.272	0	%100
41	MP4B	X	-3.621	-3.621	0	%100
42	MP4B	Z	-6.272	-6.272	0	%100
43	M57A	X	-2.961	-2.961	0	%100
44	M57A	Z	-5.129	-5.129	0	%100
45	M58	X	-6.353	-6.353	0	%100
46	M58	Z	-11.003	-11.003	0	%100
47	M59A	X	-2.885	-2.885	0	%100
48	M59A	Z	-4.998	-4.998	0	%100
49	M60	X	-2.885	-2.885	0	%100
50	M60	Z	-4.998	-4.998	0	%100
51	M61A	X	-2.716	-2.716	0	%100
52	M61A	Z	-4.704	-4.704	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-2.716	-2.716	0	%100
56	M75A	Z	-4.704	-4.704	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-3.345	-3.345	0	%100
60	M83	Z	-5.794	-5.794	0	%100
61	M84	X	-3.345	-3.345	0	%100
62	M84	Z	-5.794	-5.794	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.219	-1.219	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-1.833	-1.833	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.305	-.305	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.833	-1.833	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.305	-.305	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-2.193	-2.193	0	%100
15	M16	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
16	M16	Z	-.548	-.548	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.548	-.548	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-1.771	-1.771	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-1.959	-1.959	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-1.771	-1.771	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-1.771	-1.771	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-1.771	-1.771	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-1.959	-1.959	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-1.771	-1.771	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-1.771	-1.771	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-1.771	-1.771	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	-1.959	-1.959	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-1.771	-1.771	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-1.771	-1.771	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-1.452	-1.452	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	-1.999	-1.999	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	-.665	-.665	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	-1.999	-1.999	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	-1.771	-1.771	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	-.443	-.443	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	-.443	-.443	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	-.424	-.424	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	-.424	-.424	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	-1.694	-1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.305	.305	0	%100
2	M4	Z	-.529	-.529	0	%100
3	M2	X	.457	.457	0	%100
4	M2	Z	-.792	-.792	0	%100
5	M5	X	.305	.305	0	%100
6	M5	Z	-.529	-.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
7	M6	X	.457	.457	0	%100
8	M6	Z	-.792	-.792	0	%100
9	M9	X	1.222	1.222	0	%100
10	M9	Z	-2.116	-2.116	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	.822	.822	0	%100
14	M13	Z	-1.425	-1.425	0	%100
15	M16	X	.822	.822	0	%100
16	M16	Z	-1.425	-1.425	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	.885	.885	0	%100
20	MP1A	Z	-1.534	-1.534	0	%100
21	MP2A	X	.979	.979	0	%100
22	MP2A	Z	-1.696	-1.696	0	%100
23	MP3A	X	.885	.885	0	%100
24	MP3A	Z	-1.534	-1.534	0	%100
25	MP4A	X	.885	.885	0	%100
26	MP4A	Z	-1.534	-1.534	0	%100
27	MP1C	X	.885	.885	0	%100
28	MP1C	Z	-1.534	-1.534	0	%100
29	MP2C	X	.979	.979	0	%100
30	MP2C	Z	-1.696	-1.696	0	%100
31	MP3C	X	.885	.885	0	%100
32	MP3C	Z	-1.534	-1.534	0	%100
33	MP4C	X	.885	.885	0	%100
34	MP4C	Z	-1.534	-1.534	0	%100
35	MP1B	X	.885	.885	0	%100
36	MP1B	Z	-1.534	-1.534	0	%100
37	MP2B	X	.979	.979	0	%100
38	MP2B	Z	-1.696	-1.696	0	%100
39	MP3B	X	.885	.885	0	%100
40	MP3B	Z	-1.534	-1.534	0	%100
41	MP4B	X	.885	.885	0	%100
42	MP4B	Z	-1.534	-1.534	0	%100
43	M57A	X	.726	.726	0	%100
44	M57A	Z	-1.257	-1.257	0	%100
45	M58	X	.555	.555	0	%100
46	M58	Z	-.961	-.961	0	%100
47	M59A	X	.555	.555	0	%100
48	M59A	Z	-.961	-.961	0	%100
49	M60	X	1.222	1.222	0	%100
50	M60	Z	-2.116	-2.116	0	%100
51	M61A	X	.664	.664	0	%100
52	M61A	Z	-1.15	-1.15	0	%100
53	M74A	X	.664	.664	0	%100
54	M74A	Z	-1.15	-1.15	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	.635	.635	0	%100
58	M82	Z	-1.101	-1.101	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	.635	.635	0	%100
62	M84	Z	-1.101	-1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	1.587	1.587	0	%100
2	M4	Z	-.916	-.916	0	%100
3	M2	X	.264	.264	0	%100
4	M2	Z	-.152	-.152	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	1.055	1.055	0	%100
8	M6	Z	-.609	-.609	0	%100
9	M9	X	1.587	1.587	0	%100
10	M9	Z	-.916	-.916	0	%100
11	M10	X	.264	.264	0	%100
12	M10	Z	-.152	-.152	0	%100
13	M13	X	.475	.475	0	%100
14	M13	Z	-.274	-.274	0	%100
15	M16	X	1.899	1.899	0	%100
16	M16	Z	-1.097	-1.097	0	%100
17	M19	X	.475	.475	0	%100
18	M19	Z	-.274	-.274	0	%100
19	MP1A	X	1.534	1.534	0	%100
20	MP1A	Z	-.885	-.885	0	%100
21	MP2A	X	1.696	1.696	0	%100
22	MP2A	Z	-.979	-.979	0	%100
23	MP3A	X	1.534	1.534	0	%100
24	MP3A	Z	-.885	-.885	0	%100
25	MP4A	X	1.534	1.534	0	%100
26	MP4A	Z	-.885	-.885	0	%100
27	MP1C	X	1.534	1.534	0	%100
28	MP1C	Z	-.885	-.885	0	%100
29	MP2C	X	1.696	1.696	0	%100
30	MP2C	Z	-.979	-.979	0	%100
31	MP3C	X	1.534	1.534	0	%100
32	MP3C	Z	-.885	-.885	0	%100
33	MP4C	X	1.534	1.534	0	%100
34	MP4C	Z	-.885	-.885	0	%100
35	MP1B	X	1.534	1.534	0	%100
36	MP1B	Z	-.885	-.885	0	%100
37	MP2B	X	1.696	1.696	0	%100
38	MP2B	Z	-.979	-.979	0	%100
39	MP3B	X	1.534	1.534	0	%100
40	MP3B	Z	-.885	-.885	0	%100
41	MP4B	X	1.534	1.534	0	%100
42	MP4B	Z	-.885	-.885	0	%100
43	M57A	X	1.257	1.257	0	%100
44	M57A	Z	-.726	-.726	0	%100
45	M58	X	.576	.576	0	%100
46	M58	Z	-.333	-.333	0	%100
47	M59A	X	1.731	1.731	0	%100
48	M59A	Z	-.999	-.999	0	%100
49	M60	X	1.731	1.731	0	%100
50	M60	Z	-.999	-.999	0	%100
51	M61A	X	.383	.383	0	%100
52	M61A	Z	-.221	-.221	0	%100
53	M74A	X	1.534	1.534	0	%100
54	M74A	Z	-.885	-.885	0	%100
55	M75A	X	.383	.383	0	%100
56	M75A	Z	-.221	-.221	0	%100
57	M82	X	1.467	1.467	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
58	M82	Z	-.847	-.847	0	%100
59	M83	X	.367	.367	0	%100
60	M83	Z	-.212	-.212	0	%100
61	M84	X	.367	.367	0	%100
62	M84	Z	-.212	-.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	2.443	2.443	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.611	.611	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.914	.914	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	.611	.611	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.914	.914	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	1.645	1.645	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	1.645	1.645	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	1.771	1.771	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	1.959	1.959	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	1.771	1.771	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	1.771	1.771	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	1.771	1.771	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	1.959	1.959	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	1.771	1.771	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	1.771	1.771	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	1.771	1.771	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	1.959	1.959	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	1.771	1.771	0	%100
40	MP3B	Z	0	0	0	%100
41	MP4B	X	1.771	1.771	0	%100
42	MP4B	Z	0	0	0	%100
43	M57A	X	1.452	1.452	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	1.11	1.11	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	2.443	2.443	0	%100
48	M59A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
49	M60	X	1.11	1.11	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	0	0	0	%100
53	M74A	X	1.328	1.328	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	1.328	1.328	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	1.271	1.271	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	1.271	1.271	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	1.587	1.587	0	%100
2	M4	Z	.916	.916	0	%100
3	M2	X	.264	.264	0	%100
4	M2	Z	.152	.152	0	%100
5	M5	X	1.587	1.587	0	%100
6	M5	Z	.916	.916	0	%100
7	M6	X	.264	.264	0	%100
8	M6	Z	.152	.152	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	1.055	1.055	0	%100
12	M10	Z	.609	.609	0	%100
13	M13	X	.475	.475	0	%100
14	M13	Z	.274	.274	0	%100
15	M16	X	.475	.475	0	%100
16	M16	Z	.274	.274	0	%100
17	M19	X	1.899	1.899	0	%100
18	M19	Z	1.097	1.097	0	%100
19	MP1A	X	1.534	1.534	0	%100
20	MP1A	Z	.885	.885	0	%100
21	MP2A	X	1.696	1.696	0	%100
22	MP2A	Z	.979	.979	0	%100
23	MP3A	X	1.534	1.534	0	%100
24	MP3A	Z	.885	.885	0	%100
25	MP4A	X	1.534	1.534	0	%100
26	MP4A	Z	.885	.885	0	%100
27	MP1C	X	1.534	1.534	0	%100
28	MP1C	Z	.885	.885	0	%100
29	MP2C	X	1.696	1.696	0	%100
30	MP2C	Z	.979	.979	0	%100
31	MP3C	X	1.534	1.534	0	%100
32	MP3C	Z	.885	.885	0	%100
33	MP4C	X	1.534	1.534	0	%100
34	MP4C	Z	.885	.885	0	%100
35	MP1B	X	1.534	1.534	0	%100
36	MP1B	Z	.885	.885	0	%100
37	MP2B	X	1.696	1.696	0	%100
38	MP2B	Z	.979	.979	0	%100
39	MP3B	X	1.534	1.534	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
40	MP3B	Z	.885	.885	0	%100
41	MP4B	X	1.534	1.534	0	%100
42	MP4B	Z	.885	.885	0	%100
43	M57A	X	1.257	1.257	0	%100
44	M57A	Z	.726	.726	0	%100
45	M58	X	1.731	1.731	0	%100
46	M58	Z	.999	.999	0	%100
47	M59A	X	1.731	1.731	0	%100
48	M59A	Z	.999	.999	0	%100
49	M60	X	.576	.576	0	%100
50	M60	Z	.333	.333	0	%100
51	M61A	X	.383	.383	0	%100
52	M61A	Z	.221	.221	0	%100
53	M74A	X	.383	.383	0	%100
54	M74A	Z	.221	.221	0	%100
55	M75A	X	1.534	1.534	0	%100
56	M75A	Z	.885	.885	0	%100
57	M82	X	.367	.367	0	%100
58	M82	Z	.212	.212	0	%100
59	M83	X	1.467	1.467	0	%100
60	M83	Z	.847	.847	0	%100
61	M84	X	.367	.367	0	%100
62	M84	Z	.212	.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.305	.305	0	%100
2	M4	Z	.529	.529	0	%100
3	M2	X	.457	.457	0	%100
4	M2	Z	.792	.792	0	%100
5	M5	X	1.222	1.222	0	%100
6	M5	Z	2.116	2.116	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	.305	.305	0	%100
10	M9	Z	.529	.529	0	%100
11	M10	X	.457	.457	0	%100
12	M10	Z	.792	.792	0	%100
13	M13	X	.822	.822	0	%100
14	M13	Z	1.425	1.425	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	.822	.822	0	%100
18	M19	Z	1.425	1.425	0	%100
19	MP1A	X	.885	.885	0	%100
20	MP1A	Z	1.534	1.534	0	%100
21	MP2A	X	.979	.979	0	%100
22	MP2A	Z	1.696	1.696	0	%100
23	MP3A	X	.885	.885	0	%100
24	MP3A	Z	1.534	1.534	0	%100
25	MP4A	X	.885	.885	0	%100
26	MP4A	Z	1.534	1.534	0	%100
27	MP1C	X	.885	.885	0	%100
28	MP1C	Z	1.534	1.534	0	%100
29	MP2C	X	.979	.979	0	%100
30	MP2C	Z	1.696	1.696	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
31	MP3C	X	.885	.885	0	%100
32	MP3C	Z	1.534	1.534	0	%100
33	MP4C	X	.885	.885	0	%100
34	MP4C	Z	1.534	1.534	0	%100
35	MP1B	X	.885	.885	0	%100
36	MP1B	Z	1.534	1.534	0	%100
37	MP2B	X	.979	.979	0	%100
38	MP2B	Z	1.696	1.696	0	%100
39	MP3B	X	.885	.885	0	%100
40	MP3B	Z	1.534	1.534	0	%100
41	MP4B	X	.885	.885	0	%100
42	MP4B	Z	1.534	1.534	0	%100
43	M57A	X	.726	.726	0	%100
44	M57A	Z	1.257	1.257	0	%100
45	M58	X	1.222	1.222	0	%100
46	M58	Z	2.116	2.116	0	%100
47	M59A	X	.555	.555	0	%100
48	M59A	Z	.961	.961	0	%100
49	M60	X	.555	.555	0	%100
50	M60	Z	.961	.961	0	%100
51	M61A	X	.664	.664	0	%100
52	M61A	Z	1.15	1.15	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	.664	.664	0	%100
56	M75A	Z	1.15	1.15	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	.635	.635	0	%100
60	M83	Z	1.101	1.101	0	%100
61	M84	X	.635	.635	0	%100
62	M84	Z	1.101	1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.219	1.219	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	1.833	1.833	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.305	.305	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.833	1.833	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.305	.305	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	2.193	2.193	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	.548	.548	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.548	.548	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	1.771	1.771	0	%100
21	MP2A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
22	MP2A	Z	1.959	1.959	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	1.771	1.771	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	1.771	1.771	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	1.771	1.771	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	1.959	1.959	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	1.771	1.771	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	1.771	1.771	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	1.771	1.771	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	1.959	1.959	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	1.771	1.771	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	1.771	1.771	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	1.452	1.452	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	1.999	1.999	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	.665	.665	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	1.999	1.999	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	1.771	1.771	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	.443	.443	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	.443	.443	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	.424	.424	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	.424	.424	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	1.694	1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.305	-.305	0	%100
2	M4	Z	.529	.529	0	%100
3	M2	X	-.457	-.457	0	%100
4	M2	Z	.792	.792	0	%100
5	M5	X	-.305	-.305	0	%100
6	M5	Z	.529	.529	0	%100
7	M6	X	-.457	-.457	0	%100
8	M6	Z	.792	.792	0	%100
9	M9	X	-1.222	-1.222	0	%100
10	M9	Z	2.116	2.116	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
13	M13	X	-.822	-.822	0	%100
14	M13	Z	1.425	1.425	0	%100
15	M16	X	-.822	-.822	0	%100
16	M16	Z	1.425	1.425	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-.885	-.885	0	%100
20	MP1A	Z	1.534	1.534	0	%100
21	MP2A	X	-.979	-.979	0	%100
22	MP2A	Z	1.696	1.696	0	%100
23	MP3A	X	-.885	-.885	0	%100
24	MP3A	Z	1.534	1.534	0	%100
25	MP4A	X	-.885	-.885	0	%100
26	MP4A	Z	1.534	1.534	0	%100
27	MP1C	X	-.885	-.885	0	%100
28	MP1C	Z	1.534	1.534	0	%100
29	MP2C	X	-.979	-.979	0	%100
30	MP2C	Z	1.696	1.696	0	%100
31	MP3C	X	-.885	-.885	0	%100
32	MP3C	Z	1.534	1.534	0	%100
33	MP4C	X	-.885	-.885	0	%100
34	MP4C	Z	1.534	1.534	0	%100
35	MP1B	X	-.885	-.885	0	%100
36	MP1B	Z	1.534	1.534	0	%100
37	MP2B	X	-.979	-.979	0	%100
38	MP2B	Z	1.696	1.696	0	%100
39	MP3B	X	-.885	-.885	0	%100
40	MP3B	Z	1.534	1.534	0	%100
41	MP4B	X	-.885	-.885	0	%100
42	MP4B	Z	1.534	1.534	0	%100
43	M57A	X	-.726	-.726	0	%100
44	M57A	Z	1.257	1.257	0	%100
45	M58	X	-.555	-.555	0	%100
46	M58	Z	.961	.961	0	%100
47	M59A	X	-.555	-.555	0	%100
48	M59A	Z	.961	.961	0	%100
49	M60	X	-1.222	-1.222	0	%100
50	M60	Z	2.116	2.116	0	%100
51	M61A	X	-.664	-.664	0	%100
52	M61A	Z	1.15	1.15	0	%100
53	M74A	X	-.664	-.664	0	%100
54	M74A	Z	1.15	1.15	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-.635	-.635	0	%100
58	M82	Z	1.101	1.101	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	-.635	-.635	0	%100
62	M84	Z	1.101	1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-1.587	-1.587	0	%100
2	M4	Z	.916	.916	0	%100
3	M2	X	-.264	-.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
4	M2	Z	.152	.152	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-1.055	-1.055	0	%100
8	M6	Z	.609	.609	0	%100
9	M9	X	-1.587	-1.587	0	%100
10	M9	Z	.916	.916	0	%100
11	M10	X	-.264	-.264	0	%100
12	M10	Z	.152	.152	0	%100
13	M13	X	-.475	-.475	0	%100
14	M13	Z	.274	.274	0	%100
15	M16	X	-1.899	-1.899	0	%100
16	M16	Z	1.097	1.097	0	%100
17	M19	X	-.475	-.475	0	%100
18	M19	Z	.274	.274	0	%100
19	MP1A	X	-1.534	-1.534	0	%100
20	MP1A	Z	.885	.885	0	%100
21	MP2A	X	-1.696	-1.696	0	%100
22	MP2A	Z	.979	.979	0	%100
23	MP3A	X	-1.534	-1.534	0	%100
24	MP3A	Z	.885	.885	0	%100
25	MP4A	X	-1.534	-1.534	0	%100
26	MP4A	Z	.885	.885	0	%100
27	MP1C	X	-1.534	-1.534	0	%100
28	MP1C	Z	.885	.885	0	%100
29	MP2C	X	-1.696	-1.696	0	%100
30	MP2C	Z	.979	.979	0	%100
31	MP3C	X	-1.534	-1.534	0	%100
32	MP3C	Z	.885	.885	0	%100
33	MP4C	X	-1.534	-1.534	0	%100
34	MP4C	Z	.885	.885	0	%100
35	MP1B	X	-1.534	-1.534	0	%100
36	MP1B	Z	.885	.885	0	%100
37	MP2B	X	-1.696	-1.696	0	%100
38	MP2B	Z	.979	.979	0	%100
39	MP3B	X	-1.534	-1.534	0	%100
40	MP3B	Z	.885	.885	0	%100
41	MP4B	X	-1.534	-1.534	0	%100
42	MP4B	Z	.885	.885	0	%100
43	M57A	X	-1.257	-1.257	0	%100
44	M57A	Z	.726	.726	0	%100
45	M58	X	-.576	-.576	0	%100
46	M58	Z	.333	.333	0	%100
47	M59A	X	-1.731	-1.731	0	%100
48	M59A	Z	.999	.999	0	%100
49	M60	X	-1.731	-1.731	0	%100
50	M60	Z	.999	.999	0	%100
51	M61A	X	-.383	-.383	0	%100
52	M61A	Z	.221	.221	0	%100
53	M74A	X	-1.534	-1.534	0	%100
54	M74A	Z	.885	.885	0	%100
55	M75A	X	-.383	-.383	0	%100
56	M75A	Z	.221	.221	0	%100
57	M82	X	-1.467	-1.467	0	%100
58	M82	Z	.847	.847	0	%100
59	M83	X	-.367	-.367	0	%100
60	M83	Z	.212	.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
61	M84	X	-.367	-.367	0	%100
62	M84	Z	.212	.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-2.443	-2.443	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-.611	-.611	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.914	-.914	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-.611	-.611	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.914	-.914	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	-1.645	-1.645	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-1.645	-1.645	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-1.771	-1.771	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-1.959	-1.959	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	-1.771	-1.771	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	-1.771	-1.771	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	-1.771	-1.771	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-1.959	-1.959	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-1.771	-1.771	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-1.771	-1.771	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	-1.771	-1.771	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	-1.959	-1.959	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	-1.771	-1.771	0	%100
40	MP3B	Z	0	0	0	%100
41	MP4B	X	-1.771	-1.771	0	%100
42	MP4B	Z	0	0	0	%100
43	M57A	X	-1.452	-1.452	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	-1.11	-1.11	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	-2.443	-2.443	0	%100
48	M59A	Z	0	0	0	%100
49	M60	X	-1.11	-1.11	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
52	M61A	Z	0	0	0	%100
53	M74A	X	-1.328	-1.328	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-1.328	-1.328	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-1.271	-1.271	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-1.271	-1.271	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-1.587	-1.587	0	%100
2	M4	Z	-.916	-.916	0	%100
3	M2	X	-.264	-.264	0	%100
4	M2	Z	-.152	-.152	0	%100
5	M5	X	-1.587	-1.587	0	%100
6	M5	Z	-.916	-.916	0	%100
7	M6	X	-.264	-.264	0	%100
8	M6	Z	-.152	-.152	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-1.055	-1.055	0	%100
12	M10	Z	-.609	-.609	0	%100
13	M13	X	-.475	-.475	0	%100
14	M13	Z	-.274	-.274	0	%100
15	M16	X	-.475	-.475	0	%100
16	M16	Z	-.274	-.274	0	%100
17	M19	X	-1.899	-1.899	0	%100
18	M19	Z	-1.097	-1.097	0	%100
19	MP1A	X	-1.534	-1.534	0	%100
20	MP1A	Z	-.885	-.885	0	%100
21	MP2A	X	-1.696	-1.696	0	%100
22	MP2A	Z	-.979	-.979	0	%100
23	MP3A	X	-1.534	-1.534	0	%100
24	MP3A	Z	-.885	-.885	0	%100
25	MP4A	X	-1.534	-1.534	0	%100
26	MP4A	Z	-.885	-.885	0	%100
27	MP1C	X	-1.534	-1.534	0	%100
28	MP1C	Z	-.885	-.885	0	%100
29	MP2C	X	-1.696	-1.696	0	%100
30	MP2C	Z	-.979	-.979	0	%100
31	MP3C	X	-1.534	-1.534	0	%100
32	MP3C	Z	-.885	-.885	0	%100
33	MP4C	X	-1.534	-1.534	0	%100
34	MP4C	Z	-.885	-.885	0	%100
35	MP1B	X	-1.534	-1.534	0	%100
36	MP1B	Z	-.885	-.885	0	%100
37	MP2B	X	-1.696	-1.696	0	%100
38	MP2B	Z	-.979	-.979	0	%100
39	MP3B	X	-1.534	-1.534	0	%100
40	MP3B	Z	-.885	-.885	0	%100
41	MP4B	X	-1.534	-1.534	0	%100
42	MP4B	Z	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
43	M57A	X	-1.257	-1.257	0	%100
44	M57A	Z	-.726	-.726	0	%100
45	M58	X	-1.731	-1.731	0	%100
46	M58	Z	-.999	-.999	0	%100
47	M59A	X	-1.731	-1.731	0	%100
48	M59A	Z	-.999	-.999	0	%100
49	M60	X	-.576	-.576	0	%100
50	M60	Z	-.333	-.333	0	%100
51	M61A	X	-.383	-.383	0	%100
52	M61A	Z	-.221	-.221	0	%100
53	M74A	X	-.383	-.383	0	%100
54	M74A	Z	-.221	-.221	0	%100
55	M75A	X	-1.534	-1.534	0	%100
56	M75A	Z	-.885	-.885	0	%100
57	M82	X	-.367	-.367	0	%100
58	M82	Z	-.212	-.212	0	%100
59	M83	X	-1.467	-1.467	0	%100
60	M83	Z	-.847	-.847	0	%100
61	M84	X	-.367	-.367	0	%100
62	M84	Z	-.212	-.212	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.305	-.305	0	%100
2	M4	Z	-.529	-.529	0	%100
3	M2	X	-.457	-.457	0	%100
4	M2	Z	-.792	-.792	0	%100
5	M5	X	-1.222	-1.222	0	%100
6	M5	Z	-2.116	-2.116	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-.305	-.305	0	%100
10	M9	Z	-.529	-.529	0	%100
11	M10	X	-.457	-.457	0	%100
12	M10	Z	-.792	-.792	0	%100
13	M13	X	-.822	-.822	0	%100
14	M13	Z	-1.425	-1.425	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-.822	-.822	0	%100
18	M19	Z	-1.425	-1.425	0	%100
19	MP1A	X	-.885	-.885	0	%100
20	MP1A	Z	-1.534	-1.534	0	%100
21	MP2A	X	-.979	-.979	0	%100
22	MP2A	Z	-1.696	-1.696	0	%100
23	MP3A	X	-.885	-.885	0	%100
24	MP3A	Z	-1.534	-1.534	0	%100
25	MP4A	X	-.885	-.885	0	%100
26	MP4A	Z	-1.534	-1.534	0	%100
27	MP1C	X	-.885	-.885	0	%100
28	MP1C	Z	-1.534	-1.534	0	%100
29	MP2C	X	-.979	-.979	0	%100
30	MP2C	Z	-1.696	-1.696	0	%100
31	MP3C	X	-.885	-.885	0	%100
32	MP3C	Z	-1.534	-1.534	0	%100
33	MP4C	X	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
34	MP4C	Z	-1.534	-1.534	0	%100
35	MP1B	X	-.885	-.885	0	%100
36	MP1B	Z	-1.534	-1.534	0	%100
37	MP2B	X	-.979	-.979	0	%100
38	MP2B	Z	-1.696	-1.696	0	%100
39	MP3B	X	-.885	-.885	0	%100
40	MP3B	Z	-1.534	-1.534	0	%100
41	MP4B	X	-.885	-.885	0	%100
42	MP4B	Z	-1.534	-1.534	0	%100
43	M57A	X	-.726	-.726	0	%100
44	M57A	Z	-1.257	-1.257	0	%100
45	M58	X	-1.222	-1.222	0	%100
46	M58	Z	-2.116	-2.116	0	%100
47	M59A	X	-.555	-.555	0	%100
48	M59A	Z	-.961	-.961	0	%100
49	M60	X	-.555	-.555	0	%100
50	M60	Z	-.961	-.961	0	%100
51	M61A	X	-.664	-.664	0	%100
52	M61A	Z	-1.15	-1.15	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-.664	-.664	0	%100
56	M75A	Z	-1.15	-1.15	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-.635	-.635	0	%100
60	M83	Z	-1.101	-1.101	0	%100
61	M84	X	-.635	-.635	0	%100
62	M84	Z	-1.101	-1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.373	-.373	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-.66	-.66	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.093	-.093	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.66	-.66	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.093	-.093	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-.739	-.739	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-.185	-.185	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.185	-.185	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-.502	-.502	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.607	-.607	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-.502	-.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-.502	-.502	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.502	-.502	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-.607	-.607	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-.502	-.502	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-.502	-.502	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-.502	-.502	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	-.607	-.607	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-.502	-.502	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-.502	-.502	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-.41	-.41	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	-.72	-.72	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	-.24	-.24	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	-.72	-.72	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	-.502	-.502	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	-.125	-.125	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	-.125	-.125	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	-.154	-.154	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	-.154	-.154	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	-.618	-.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.11	.11	0	%100
2	M4	Z	-.19	-.19	0	%100
3	M2	X	.14	.14	0	%100
4	M2	Z	-.242	-.242	0	%100
5	M5	X	.11	.11	0	%100
6	M5	Z	-.19	-.19	0	%100
7	M6	X	.14	.14	0	%100
8	M6	Z	-.242	-.242	0	%100
9	M9	X	.44	.44	0	%100
10	M9	Z	-.762	-.762	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	.277	.277	0	%100
14	M13	Z	-.48	-.48	0	%100
15	M16	X	.277	.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
16	M16	Z	-.48	-.48	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	.251	.251	0	%100
20	MP1A	Z	-.434	-.434	0	%100
21	MP2A	X	.304	.304	0	%100
22	MP2A	Z	-.526	-.526	0	%100
23	MP3A	X	.251	.251	0	%100
24	MP3A	Z	-.434	-.434	0	%100
25	MP4A	X	.251	.251	0	%100
26	MP4A	Z	-.434	-.434	0	%100
27	MP1C	X	.251	.251	0	%100
28	MP1C	Z	-.434	-.434	0	%100
29	MP2C	X	.304	.304	0	%100
30	MP2C	Z	-.526	-.526	0	%100
31	MP3C	X	.251	.251	0	%100
32	MP3C	Z	-.434	-.434	0	%100
33	MP4C	X	.251	.251	0	%100
34	MP4C	Z	-.434	-.434	0	%100
35	MP1B	X	.251	.251	0	%100
36	MP1B	Z	-.434	-.434	0	%100
37	MP2B	X	.304	.304	0	%100
38	MP2B	Z	-.526	-.526	0	%100
39	MP3B	X	.251	.251	0	%100
40	MP3B	Z	-.434	-.434	0	%100
41	MP4B	X	.251	.251	0	%100
42	MP4B	Z	-.434	-.434	0	%100
43	M57A	X	.205	.205	0	%100
44	M57A	Z	-.355	-.355	0	%100
45	M58	X	.2	.2	0	%100
46	M58	Z	-.346	-.346	0	%100
47	M59A	X	.2	.2	0	%100
48	M59A	Z	-.346	-.346	0	%100
49	M60	X	.44	.44	0	%100
50	M60	Z	-.762	-.762	0	%100
51	M61A	X	.188	.188	0	%100
52	M61A	Z	-.326	-.326	0	%100
53	M74A	X	.188	.188	0	%100
54	M74A	Z	-.326	-.326	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	.232	.232	0	%100
58	M82	Z	-.401	-.401	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	.232	.232	0	%100
62	M84	Z	-.401	-.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.571	.571	0	%100
2	M4	Z	-.33	-.33	0	%100
3	M2	X	.081	.081	0	%100
4	M2	Z	-.047	-.047	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
7	M6	X	.323	.323	0	%100
8	M6	Z	-.186	-.186	0	%100
9	M9	X	.571	.571	0	%100
10	M9	Z	-.33	-.33	0	%100
11	M10	X	.081	.081	0	%100
12	M10	Z	-.047	-.047	0	%100
13	M13	X	.16	.16	0	%100
14	M13	Z	-.092	-.092	0	%100
15	M16	X	.64	.64	0	%100
16	M16	Z	-.37	-.37	0	%100
17	M19	X	.16	.16	0	%100
18	M19	Z	-.092	-.092	0	%100
19	MP1A	X	.434	.434	0	%100
20	MP1A	Z	-.251	-.251	0	%100
21	MP2A	X	.526	.526	0	%100
22	MP2A	Z	-.304	-.304	0	%100
23	MP3A	X	.434	.434	0	%100
24	MP3A	Z	-.251	-.251	0	%100
25	MP4A	X	.434	.434	0	%100
26	MP4A	Z	-.251	-.251	0	%100
27	MP1C	X	.434	.434	0	%100
28	MP1C	Z	-.251	-.251	0	%100
29	MP2C	X	.526	.526	0	%100
30	MP2C	Z	-.304	-.304	0	%100
31	MP3C	X	.434	.434	0	%100
32	MP3C	Z	-.251	-.251	0	%100
33	MP4C	X	.434	.434	0	%100
34	MP4C	Z	-.251	-.251	0	%100
35	MP1B	X	.434	.434	0	%100
36	MP1B	Z	-.251	-.251	0	%100
37	MP2B	X	.526	.526	0	%100
38	MP2B	Z	-.304	-.304	0	%100
39	MP3B	X	.434	.434	0	%100
40	MP3B	Z	-.251	-.251	0	%100
41	MP4B	X	.434	.434	0	%100
42	MP4B	Z	-.251	-.251	0	%100
43	M57A	X	.355	.355	0	%100
44	M57A	Z	-.205	-.205	0	%100
45	M58	X	.207	.207	0	%100
46	M58	Z	-.12	-.12	0	%100
47	M59A	X	.623	.623	0	%100
48	M59A	Z	-.36	-.36	0	%100
49	M60	X	.623	.623	0	%100
50	M60	Z	-.36	-.36	0	%100
51	M61A	X	.109	.109	0	%100
52	M61A	Z	-.063	-.063	0	%100
53	M74A	X	.434	.434	0	%100
54	M74A	Z	-.251	-.251	0	%100
55	M75A	X	.109	.109	0	%100
56	M75A	Z	-.063	-.063	0	%100
57	M82	X	.535	.535	0	%100
58	M82	Z	-.309	-.309	0	%100
59	M83	X	.134	.134	0	%100
60	M83	Z	-.077	-.077	0	%100
61	M84	X	.134	.134	0	%100
62	M84	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.88	.88	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.22	.22	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.28	.28	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	.22	.22	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.28	.28	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	.554	.554	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	.554	.554	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	.502	.502	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	.607	.607	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	.502	.502	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	.502	.502	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	.502	.502	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	.607	.607	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	.502	.502	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	.502	.502	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	.502	.502	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	.607	.607	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	.502	.502	0	%100
40	MP3B	Z	0	0	0	%100
41	MP4B	X	.502	.502	0	%100
42	MP4B	Z	0	0	0	%100
43	M57A	X	.41	.41	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	.4	.4	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	.88	.88	0	%100
48	M59A	Z	0	0	0	%100
49	M60	X	.4	.4	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	0	0	0	%100
53	M74A	X	.376	.376	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	.376	.376	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	.463	.463	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
58	M82	Z	0	0	0	%100
59	M83	X	.463	.463	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.571	.571	0	%100
2	M4	Z	.33	.33	0	%100
3	M2	X	.081	.081	0	%100
4	M2	Z	.047	.047	0	%100
5	M5	X	.571	.571	0	%100
6	M5	Z	.33	.33	0	%100
7	M6	X	.081	.081	0	%100
8	M6	Z	.047	.047	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.323	.323	0	%100
12	M10	Z	.186	.186	0	%100
13	M13	X	.16	.16	0	%100
14	M13	Z	.092	.092	0	%100
15	M16	X	.16	.16	0	%100
16	M16	Z	.092	.092	0	%100
17	M19	X	.64	.64	0	%100
18	M19	Z	.37	.37	0	%100
19	MP1A	X	.434	.434	0	%100
20	MP1A	Z	.251	.251	0	%100
21	MP2A	X	.526	.526	0	%100
22	MP2A	Z	.304	.304	0	%100
23	MP3A	X	.434	.434	0	%100
24	MP3A	Z	.251	.251	0	%100
25	MP4A	X	.434	.434	0	%100
26	MP4A	Z	.251	.251	0	%100
27	MP1C	X	.434	.434	0	%100
28	MP1C	Z	.251	.251	0	%100
29	MP2C	X	.526	.526	0	%100
30	MP2C	Z	.304	.304	0	%100
31	MP3C	X	.434	.434	0	%100
32	MP3C	Z	.251	.251	0	%100
33	MP4C	X	.434	.434	0	%100
34	MP4C	Z	.251	.251	0	%100
35	MP1B	X	.434	.434	0	%100
36	MP1B	Z	.251	.251	0	%100
37	MP2B	X	.526	.526	0	%100
38	MP2B	Z	.304	.304	0	%100
39	MP3B	X	.434	.434	0	%100
40	MP3B	Z	.251	.251	0	%100
41	MP4B	X	.434	.434	0	%100
42	MP4B	Z	.251	.251	0	%100
43	M57A	X	.355	.355	0	%100
44	M57A	Z	.205	.205	0	%100
45	M58	X	.623	.623	0	%100
46	M58	Z	.36	.36	0	%100
47	M59A	X	.623	.623	0	%100
48	M59A	Z	.36	.36	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
49	M60	X	.207	.207	0	%100
50	M60	Z	.12	.12	0	%100
51	M61A	X	.109	.109	0	%100
52	M61A	Z	.063	.063	0	%100
53	M74A	X	.109	.109	0	%100
54	M74A	Z	.063	.063	0	%100
55	M75A	X	.434	.434	0	%100
56	M75A	Z	.251	.251	0	%100
57	M82	X	.134	.134	0	%100
58	M82	Z	.077	.077	0	%100
59	M83	X	.535	.535	0	%100
60	M83	Z	.309	.309	0	%100
61	M84	X	.134	.134	0	%100
62	M84	Z	.077	.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	.11	.11	0	%100
2	M4	Z	.19	.19	0	%100
3	M2	X	.14	.14	0	%100
4	M2	Z	.242	.242	0	%100
5	M5	X	.44	.44	0	%100
6	M5	Z	.762	.762	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	.11	.11	0	%100
10	M9	Z	.19	.19	0	%100
11	M10	X	.14	.14	0	%100
12	M10	Z	.242	.242	0	%100
13	M13	X	.277	.277	0	%100
14	M13	Z	.48	.48	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	.277	.277	0	%100
18	M19	Z	.48	.48	0	%100
19	MP1A	X	.251	.251	0	%100
20	MP1A	Z	.434	.434	0	%100
21	MP2A	X	.304	.304	0	%100
22	MP2A	Z	.526	.526	0	%100
23	MP3A	X	.251	.251	0	%100
24	MP3A	Z	.434	.434	0	%100
25	MP4A	X	.251	.251	0	%100
26	MP4A	Z	.434	.434	0	%100
27	MP1C	X	.251	.251	0	%100
28	MP1C	Z	.434	.434	0	%100
29	MP2C	X	.304	.304	0	%100
30	MP2C	Z	.526	.526	0	%100
31	MP3C	X	.251	.251	0	%100
32	MP3C	Z	.434	.434	0	%100
33	MP4C	X	.251	.251	0	%100
34	MP4C	Z	.434	.434	0	%100
35	MP1B	X	.251	.251	0	%100
36	MP1B	Z	.434	.434	0	%100
37	MP2B	X	.304	.304	0	%100
38	MP2B	Z	.526	.526	0	%100
39	MP3B	X	.251	.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
40	MP3B	Z	.434	.434	0	%100
41	MP4B	X	.251	.251	0	%100
42	MP4B	Z	.434	.434	0	%100
43	M57A	X	.205	.205	0	%100
44	M57A	Z	.355	.355	0	%100
45	M58	X	.44	.44	0	%100
46	M58	Z	.762	.762	0	%100
47	M59A	X	.2	.2	0	%100
48	M59A	Z	.346	.346	0	%100
49	M60	X	.2	.2	0	%100
50	M60	Z	.346	.346	0	%100
51	M61A	X	.188	.188	0	%100
52	M61A	Z	.326	.326	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	.188	.188	0	%100
56	M75A	Z	.326	.326	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	.232	.232	0	%100
60	M83	Z	.401	.401	0	%100
61	M84	X	.232	.232	0	%100
62	M84	Z	.401	.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.373	.373	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	.66	.66	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.093	.093	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.66	.66	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.093	.093	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	.739	.739	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	.185	.185	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.185	.185	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	.502	.502	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.607	.607	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	.502	.502	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	.502	.502	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.502	.502	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	.607	.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
31	MP3C	X	0	0	0	%100
32	MP3C	Z	.502	.502	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	.502	.502	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	.502	.502	0	%100
37	MP2B	X	0	0	0	%100
38	MP2B	Z	.607	.607	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	.502	.502	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	.502	.502	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	.41	.41	0	%100
45	M58	X	0	0	0	%100
46	M58	Z	.72	.72	0	%100
47	M59A	X	0	0	0	%100
48	M59A	Z	.24	.24	0	%100
49	M60	X	0	0	0	%100
50	M60	Z	.72	.72	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	.502	.502	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	.125	.125	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	.125	.125	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	.154	.154	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	.154	.154	0	%100
61	M84	X	0	0	0	%100
62	M84	Z	.618	.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.11	-.11	0	%100
2	M4	Z	.19	.19	0	%100
3	M2	X	-.14	-.14	0	%100
4	M2	Z	.242	.242	0	%100
5	M5	X	-.11	-.11	0	%100
6	M5	Z	.19	.19	0	%100
7	M6	X	-.14	-.14	0	%100
8	M6	Z	.242	.242	0	%100
9	M9	X	-.44	-.44	0	%100
10	M9	Z	.762	.762	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	-.277	-.277	0	%100
14	M13	Z	.48	.48	0	%100
15	M16	X	-.277	-.277	0	%100
16	M16	Z	.48	.48	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-.251	-.251	0	%100
20	MP1A	Z	.434	.434	0	%100
21	MP2A	X	-.304	-.304	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
22	MP2A	Z	.526	.526	0	%100
23	MP3A	X	-.251	-.251	0	%100
24	MP3A	Z	.434	.434	0	%100
25	MP4A	X	-.251	-.251	0	%100
26	MP4A	Z	.434	.434	0	%100
27	MP1C	X	-.251	-.251	0	%100
28	MP1C	Z	.434	.434	0	%100
29	MP2C	X	-.304	-.304	0	%100
30	MP2C	Z	.526	.526	0	%100
31	MP3C	X	-.251	-.251	0	%100
32	MP3C	Z	.434	.434	0	%100
33	MP4C	X	-.251	-.251	0	%100
34	MP4C	Z	.434	.434	0	%100
35	MP1B	X	-.251	-.251	0	%100
36	MP1B	Z	.434	.434	0	%100
37	MP2B	X	-.304	-.304	0	%100
38	MP2B	Z	.526	.526	0	%100
39	MP3B	X	-.251	-.251	0	%100
40	MP3B	Z	.434	.434	0	%100
41	MP4B	X	-.251	-.251	0	%100
42	MP4B	Z	.434	.434	0	%100
43	M57A	X	-.205	-.205	0	%100
44	M57A	Z	.355	.355	0	%100
45	M58	X	-.2	-.2	0	%100
46	M58	Z	.346	.346	0	%100
47	M59A	X	-.2	-.2	0	%100
48	M59A	Z	.346	.346	0	%100
49	M60	X	-.44	-.44	0	%100
50	M60	Z	.762	.762	0	%100
51	M61A	X	-.188	-.188	0	%100
52	M61A	Z	.326	.326	0	%100
53	M74A	X	-.188	-.188	0	%100
54	M74A	Z	.326	.326	0	%100
55	M75A	X	0	0	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-.232	-.232	0	%100
58	M82	Z	.401	.401	0	%100
59	M83	X	0	0	0	%100
60	M83	Z	0	0	0	%100
61	M84	X	-.232	-.232	0	%100
62	M84	Z	.401	.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.571	-.571	0	%100
2	M4	Z	.33	.33	0	%100
3	M2	X	-.081	-.081	0	%100
4	M2	Z	.047	.047	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.323	-.323	0	%100
8	M6	Z	.186	.186	0	%100
9	M9	X	-.571	-.571	0	%100
10	M9	Z	.33	.33	0	%100
11	M10	X	-.081	-.081	0	%100
12	M10	Z	.047	.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
13	M13	X	-.16	-.16	0	%100
14	M13	Z	.092	.092	0	%100
15	M16	X	-.64	-.64	0	%100
16	M16	Z	.37	.37	0	%100
17	M19	X	-.16	-.16	0	%100
18	M19	Z	.092	.092	0	%100
19	MP1A	X	-.434	-.434	0	%100
20	MP1A	Z	.251	.251	0	%100
21	MP2A	X	-.526	-.526	0	%100
22	MP2A	Z	.304	.304	0	%100
23	MP3A	X	-.434	-.434	0	%100
24	MP3A	Z	.251	.251	0	%100
25	MP4A	X	-.434	-.434	0	%100
26	MP4A	Z	.251	.251	0	%100
27	MP1C	X	-.434	-.434	0	%100
28	MP1C	Z	.251	.251	0	%100
29	MP2C	X	-.526	-.526	0	%100
30	MP2C	Z	.304	.304	0	%100
31	MP3C	X	-.434	-.434	0	%100
32	MP3C	Z	.251	.251	0	%100
33	MP4C	X	-.434	-.434	0	%100
34	MP4C	Z	.251	.251	0	%100
35	MP1B	X	-.434	-.434	0	%100
36	MP1B	Z	.251	.251	0	%100
37	MP2B	X	-.526	-.526	0	%100
38	MP2B	Z	.304	.304	0	%100
39	MP3B	X	-.434	-.434	0	%100
40	MP3B	Z	.251	.251	0	%100
41	MP4B	X	-.434	-.434	0	%100
42	MP4B	Z	.251	.251	0	%100
43	M57A	X	-.355	-.355	0	%100
44	M57A	Z	.205	.205	0	%100
45	M58	X	-.207	-.207	0	%100
46	M58	Z	.12	.12	0	%100
47	M59A	X	-.623	-.623	0	%100
48	M59A	Z	.36	.36	0	%100
49	M60	X	-.623	-.623	0	%100
50	M60	Z	.36	.36	0	%100
51	M61A	X	-.109	-.109	0	%100
52	M61A	Z	.063	.063	0	%100
53	M74A	X	-.434	-.434	0	%100
54	M74A	Z	.251	.251	0	%100
55	M75A	X	-.109	-.109	0	%100
56	M75A	Z	.063	.063	0	%100
57	M82	X	-.535	-.535	0	%100
58	M82	Z	.309	.309	0	%100
59	M83	X	-.134	-.134	0	%100
60	M83	Z	.077	.077	0	%100
61	M84	X	-.134	-.134	0	%100
62	M84	Z	.077	.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.88	-.88	0	%100
2	M4	Z	0	0	0	%100
3	M2	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
4	M2	Z	0	0	0	%100
5	M5	X	-.22	-.22	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.28	-.28	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-.22	-.22	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.28	-.28	0	%100
12	M10	Z	0	0	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	0	0	0	%100
15	M16	X	-.554	-.554	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-.554	-.554	0	%100
18	M19	Z	0	0	0	%100
19	MP1A	X	-.502	-.502	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-.607	-.607	0	%100
22	MP2A	Z	0	0	0	%100
23	MP3A	X	-.502	-.502	0	%100
24	MP3A	Z	0	0	0	%100
25	MP4A	X	-.502	-.502	0	%100
26	MP4A	Z	0	0	0	%100
27	MP1C	X	-.502	-.502	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-.607	-.607	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-.502	-.502	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-.502	-.502	0	%100
34	MP4C	Z	0	0	0	%100
35	MP1B	X	-.502	-.502	0	%100
36	MP1B	Z	0	0	0	%100
37	MP2B	X	-.607	-.607	0	%100
38	MP2B	Z	0	0	0	%100
39	MP3B	X	-.502	-.502	0	%100
40	MP3B	Z	0	0	0	%100
41	MP4B	X	-.502	-.502	0	%100
42	MP4B	Z	0	0	0	%100
43	M57A	X	-.41	-.41	0	%100
44	M57A	Z	0	0	0	%100
45	M58	X	-.4	-.4	0	%100
46	M58	Z	0	0	0	%100
47	M59A	X	-.88	-.88	0	%100
48	M59A	Z	0	0	0	%100
49	M60	X	-.4	-.4	0	%100
50	M60	Z	0	0	0	%100
51	M61A	X	0	0	0	%100
52	M61A	Z	0	0	0	%100
53	M74A	X	-.376	-.376	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-.376	-.376	0	%100
56	M75A	Z	0	0	0	%100
57	M82	X	-.463	-.463	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-.463	-.463	0	%100
60	M83	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
61	M84	X	0	0	0	%100
62	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.571	-.571	0	%100
2	M4	Z	-.33	-.33	0	%100
3	M2	X	-.081	-.081	0	%100
4	M2	Z	-.047	-.047	0	%100
5	M5	X	-.571	-.571	0	%100
6	M5	Z	-.33	-.33	0	%100
7	M6	X	-.081	-.081	0	%100
8	M6	Z	-.047	-.047	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.323	-.323	0	%100
12	M10	Z	-.186	-.186	0	%100
13	M13	X	-.16	-.16	0	%100
14	M13	Z	-.092	-.092	0	%100
15	M16	X	-.16	-.16	0	%100
16	M16	Z	-.092	-.092	0	%100
17	M19	X	-.64	-.64	0	%100
18	M19	Z	-.37	-.37	0	%100
19	MP1A	X	-.434	-.434	0	%100
20	MP1A	Z	-.251	-.251	0	%100
21	MP2A	X	-.526	-.526	0	%100
22	MP2A	Z	-.304	-.304	0	%100
23	MP3A	X	-.434	-.434	0	%100
24	MP3A	Z	-.251	-.251	0	%100
25	MP4A	X	-.434	-.434	0	%100
26	MP4A	Z	-.251	-.251	0	%100
27	MP1C	X	-.434	-.434	0	%100
28	MP1C	Z	-.251	-.251	0	%100
29	MP2C	X	-.526	-.526	0	%100
30	MP2C	Z	-.304	-.304	0	%100
31	MP3C	X	-.434	-.434	0	%100
32	MP3C	Z	-.251	-.251	0	%100
33	MP4C	X	-.434	-.434	0	%100
34	MP4C	Z	-.251	-.251	0	%100
35	MP1B	X	-.434	-.434	0	%100
36	MP1B	Z	-.251	-.251	0	%100
37	MP2B	X	-.526	-.526	0	%100
38	MP2B	Z	-.304	-.304	0	%100
39	MP3B	X	-.434	-.434	0	%100
40	MP3B	Z	-.251	-.251	0	%100
41	MP4B	X	-.434	-.434	0	%100
42	MP4B	Z	-.251	-.251	0	%100
43	M57A	X	-.355	-.355	0	%100
44	M57A	Z	-.205	-.205	0	%100
45	M58	X	-.623	-.623	0	%100
46	M58	Z	-.36	-.36	0	%100
47	M59A	X	-.623	-.623	0	%100
48	M59A	Z	-.36	-.36	0	%100
49	M60	X	-.207	-.207	0	%100
50	M60	Z	-.12	-.12	0	%100
51	M61A	X	-.109	-.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
52	M61A	Z	-.063	-.063	0	%100
53	M74A	X	-.109	-.109	0	%100
54	M74A	Z	-.063	-.063	0	%100
55	M75A	X	-.434	-.434	0	%100
56	M75A	Z	-.251	-.251	0	%100
57	M82	X	-.134	-.134	0	%100
58	M82	Z	-.077	-.077	0	%100
59	M83	X	-.535	-.535	0	%100
60	M83	Z	-.309	-.309	0	%100
61	M84	X	-.134	-.134	0	%100
62	M84	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M4	X	-.11	-.11	0	%100
2	M4	Z	-.19	-.19	0	%100
3	M2	X	-.14	-.14	0	%100
4	M2	Z	-.242	-.242	0	%100
5	M5	X	-.44	-.44	0	%100
6	M5	Z	-.762	-.762	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M9	X	-.11	-.11	0	%100
10	M9	Z	-.19	-.19	0	%100
11	M10	X	-.14	-.14	0	%100
12	M10	Z	-.242	-.242	0	%100
13	M13	X	-.277	-.277	0	%100
14	M13	Z	-.48	-.48	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	0	0	0	%100
17	M19	X	-.277	-.277	0	%100
18	M19	Z	-.48	-.48	0	%100
19	MP1A	X	-.251	-.251	0	%100
20	MP1A	Z	-.434	-.434	0	%100
21	MP2A	X	-.304	-.304	0	%100
22	MP2A	Z	-.526	-.526	0	%100
23	MP3A	X	-.251	-.251	0	%100
24	MP3A	Z	-.434	-.434	0	%100
25	MP4A	X	-.251	-.251	0	%100
26	MP4A	Z	-.434	-.434	0	%100
27	MP1C	X	-.251	-.251	0	%100
28	MP1C	Z	-.434	-.434	0	%100
29	MP2C	X	-.304	-.304	0	%100
30	MP2C	Z	-.526	-.526	0	%100
31	MP3C	X	-.251	-.251	0	%100
32	MP3C	Z	-.434	-.434	0	%100
33	MP4C	X	-.251	-.251	0	%100
34	MP4C	Z	-.434	-.434	0	%100
35	MP1B	X	-.251	-.251	0	%100
36	MP1B	Z	-.434	-.434	0	%100
37	MP2B	X	-.304	-.304	0	%100
38	MP2B	Z	-.526	-.526	0	%100
39	MP3B	X	-.251	-.251	0	%100
40	MP3B	Z	-.434	-.434	0	%100
41	MP4B	X	-.251	-.251	0	%100
42	MP4B	Z	-.434	-.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
43	M57A	X	-.205	-.205	0	%100
44	M57A	Z	-.355	-.355	0	%100
45	M58	X	-.44	-.44	0	%100
46	M58	Z	-.762	-.762	0	%100
47	M59A	X	-.2	-.2	0	%100
48	M59A	Z	-.346	-.346	0	%100
49	M60	X	-.2	-.2	0	%100
50	M60	Z	-.346	-.346	0	%100
51	M61A	X	-.188	-.188	0	%100
52	M61A	Z	-.326	-.326	0	%100
53	M74A	X	0	0	0	%100
54	M74A	Z	0	0	0	%100
55	M75A	X	-.188	-.188	0	%100
56	M75A	Z	-.326	-.326	0	%100
57	M82	X	0	0	0	%100
58	M82	Z	0	0	0	%100
59	M83	X	-.232	-.232	0	%100
60	M83	Z	-.401	-.401	0	%100
61	M84	X	-.232	-.232	0	%100
62	M84	Z	-.401	-.401	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M13	Y	-.306	-6.779	8.8	9.973
2	M13	Y	-6.779	-11.238	9.973	11.147
3	M13	Y	-11.238	-12.421	11.147	12.32
4	M13	Y	-12.421	-12.554	12.32	13.493
5	M13	Y	-12.554	-12.863	13.493	14.667
6	M16	Y	-4.556	-4.556	3.628	6.132
7	M24	Y	-12.857	-12.857	0	.25
8	M25	Y	-13.208	-13.208	0	.25
9	M16	Y	-4.746	-4.746	8.54	11.057
10	M19	Y	-9.208	-12.566	0	1.467
11	M19	Y	-12.566	-12.447	1.467	2.933
12	M19	Y	-12.447	-8.484	2.933	4.4
13	M19	Y	-8.484	-3.244	4.4	5.867
14	M19	Y	-3.244	-.168	5.867	7.333
15	M29	Y	-13.553	-13.553	0	.25
16	M13	Y	-12.863	-12.554	0	1.173
17	M13	Y	-12.554	-12.421	1.173	2.347
18	M13	Y	-12.421	-11.238	2.347	3.52
19	M13	Y	-11.238	-6.779	3.52	4.693
20	M13	Y	-6.779	-.306	4.693	5.867
21	M19	Y	-4.556	-4.556	8.535	11.039
22	M20	Y	-12.857	-12.857	0	.25
23	M34	Y	-13.208	-13.208	0	.25
24	M13	Y	-4.002	-4.002	6.675	7.675
25	M16	Y	-5.016	-6.645	0	1.1
26	M16	Y	-6.645	-7.588	1.1	2.2
27	M16	Y	-7.588	-3.909	2.2	3.3
28	M16	Y	-3.909	-.102	3.3	4.4
29	M19	Y	-.3	-.3	10.267	11.147
30	M19	Y	-.3	-5.914	11.147	12.027
31	M19	Y	-5.914	-10.972	12.027	12.907
32	M19	Y	-10.972	-7.412	12.907	13.787
33	M19	Y	-7.412	-1.405	13.787	14.667

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
34	M23	Y	-13.744	-13.744	0	.25
35	M16	Y	-.224	-6.014	2.933	4.107
36	M16	Y	-6.014	-10.571	4.107	5.28
37	M16	Y	-10.571	-11.351	5.28	6.453
38	M16	Y	-11.351	-11.12	6.453	7.627
39	M16	Y	-11.12	-11.334	7.627	8.8

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M13	Y	-.674	-14.914	8.8	9.973
2	M13	Y	-14.914	-24.724	9.973	11.147
3	M13	Y	-24.724	-27.327	11.147	12.32
4	M13	Y	-27.327	-27.619	12.32	13.493
5	M13	Y	-27.619	-28.3	13.493	14.667
6	M16	Y	-10.023	-10.023	3.628	6.132
7	M24	Y	-28.286	-28.286	0	.25
8	M25	Y	-29.057	-29.057	0	.25
9	M16	Y	-10.442	-10.442	8.54	11.057
10	M19	Y	-20.258	-27.645	0	1.467
11	M19	Y	-27.645	-27.383	1.467	2.933
12	M19	Y	-27.383	-18.665	2.933	4.4
13	M19	Y	-18.665	-7.136	4.4	5.867
14	M19	Y	-7.136	-.369	5.867	7.333
15	M29	Y	-29.816	-29.816	0	.25
16	M13	Y	-28.3	-27.619	0	1.173
17	M13	Y	-27.619	-27.327	1.173	2.347
18	M13	Y	-27.327	-24.724	2.347	3.52
19	M13	Y	-24.724	-14.914	3.52	4.693
20	M13	Y	-14.914	-.674	4.693	5.867
21	M19	Y	-10.023	-10.023	8.535	11.039
22	M20	Y	-28.286	-28.286	0	.25
23	M34	Y	-29.057	-29.057	0	.25
24	M13	Y	-8.804	-8.804	6.675	7.675
25	M16	Y	-11.035	-14.619	0	1.1
26	M16	Y	-14.619	-16.694	1.1	2.2
27	M16	Y	-16.694	-8.601	2.2	3.3
28	M16	Y	-8.601	-.224	3.3	4.4
29	M19	Y	-.661	-.661	10.267	11.147
30	M19	Y	-.661	-13.011	11.147	12.027
31	M19	Y	-13.011	-24.139	12.027	12.907
32	M19	Y	-24.139	-16.307	12.907	13.787
33	M19	Y	-16.307	-3.09	13.787	14.667
34	M23	Y	-30.236	-30.236	0	.25
35	M16	Y	-.494	-13.231	2.933	4.107
36	M16	Y	-13.231	-23.256	4.107	5.28
37	M16	Y	-23.256	-24.972	5.28	6.453
38	M16	Y	-24.972	-24.465	6.453	7.627
39	M16	Y	-24.465	-24.934	7.627	8.8

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N49	N46	N36	N37	Y	A-B	-.005
2	N48	N47	N57	N60	Y	A-B	-.005
3	N59	N58	N35	N38A	Y	A-B	-.005
4	N155	N157	N37	N38A	Y	A-B	-.005

Member Area Loads (BLC 39 : Structure D) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
5	N153A	N48	N49	N157	Y	A-B	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N49	N46	N36	N37	Y	A-B	-.011
2	N48	N47	N57	N60	Y	A-B	-.011
3	N59	N58	N35	N38A	Y	A-B	-.011
4	N155	N157	N37	N38A	Y	A-B	-.011
5	N153A	N48	N49	N157	Y	A-B	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [..	LC	MZ [k-ft]	LC
1	N3	m...	685.428	10	59.061	7	4883.421	13	.113	7	1.924	4	.07	4
2		min	-688.667	4	-86.856	1	307.075	7	-.146	1	-1.914	10	-.238	10
3	N9	m...	4248.688	21	97.968	3	-35.244	1	.221	12	1.947	12	.292	43
4		min	351.145	3	-83.615	9	-2509.327	20	-.311	6	-2.038	6	-.074	1
5	N17	m...	-453.305	10	36.277	11	-318.205	11	.252	3	1.966	8	.098	12
6		min	-4356.27	16	-135.994	17	-2534.322	17	-.062	9	-1.88	2	-.171	6
7	N105A	m...	44.141	10	2291.55	13	-1538.017	7	0	51	0	51	0	51
8		min	-44.143	4	961.571	7	-3658.821	13	0	1	0	1	0	1
9	N106A	m...	-1343.022	3	2353.92	21	1880.663	21	0	51	0	51	0	51
10		min	-3256.899	21	969.591	3	776.112	3	0	1	0	1	0	1
11	N107A	m...	3379.092	17	2440.256	17	1951.64	17	0	51	0	51	0	51
12		min	1396.433	11	1006.901	11	805.648	11	0	1	0	1	0	1
13	Totals:	m...	3372.518	10	6863.394	13	3401.618	1						
14		min	-3372.51	4	3338.867	8	-3401.645	7						

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

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	M4	HSS4X...	.162	6.169	11	.065	6.259	y	22	1024...	1395...	16.181	16.181	...	H1-...
2	M2	PL1/2X...	.445	.5	23	.320	.5	y	23	7318...	1053...	1.097	14.259	...	H1-...
3	M5	HSS4X...	.172	6.169	7	.067	6.259	y	19	1024...	1395...	16.181	16.181	...	H1-...
4	M6	PL1/2X...	.525	.5	19	.300	.5	y	19	7318...	1053...	1.097	14.259	...	H1-...
5	M9	HSS4X...	.171	6.169	3	.064	6.259	y	14	1024...	1395...	16.181	16.181	...	H1-...
6	M10	PL1/2X...	.469	.5	15	.272	.5	y	20	7318...	1053...	1.097	14.259	...	H1-...
7	M13	PIPE_...	.328	7.333	25	.076	2.75		43	2078...	65205	5.749	5.749	...	H1-...
8	M16	PIPE_...	.295	7.333	22	.107	.153		16	2078...	65205	5.749	5.749	...	H1-...
9	M19	PIPE_...	.284	7.333	5	.107	.153		24	2078...	65205	5.749	5.749	...	H1-...
10	MP1A	PIPE_...	.654	3.313	29	.081	3.313		14	2086...	32130	1.872	1.872	...	H1-...
11	MP2A	PIPE_...	.199	3.375	8	.046	3.375		12	3777...	50715	3.596	3.596	...	H1-...
12	MP3A	PIPE_...	.435	3.313	33	.093	2.438		21	2086...	32130	1.872	1.872	2	H1-...
13	MP4A	PIPE_...	.449	3.313	21	.116	3.313		24	2086...	32130	1.872	1.872	...	H1-...
14	MP1C	PIPE_...	.633	3.313	24	.076	.375		16	2086...	32130	1.872	1.872	...	H1-...
15	MP2C	PIPE_...	.212	3.313	11	.046	3.375		2	3777...	50715	3.596	3.596	...	H1-...
16	MP3C	PIPE_...	.422	3.313	18	.068	2.438		17	2086...	32130	1.872	1.872	...	H1-...
17	MP4C	PIPE_...	.443	3.313	18	.066	3.313		20	2086...	32130	1.872	1.872	...	H1-...
18	MP1B	PIPE_...	.587	3.313	19	.102	.375		23	2086...	32130	1.872	1.872	...	H1-...
19	MP2B	PIPE_...	.191	3.375	6	.046	3.375		10	3777...	50715	3.596	3.596	...	H1-...
20	MP3B	PIPE_...	.429	3.313	14	.058	3.313		14	2086...	32130	1.872	1.872	...	H1-...
21	MP4B	PIPE_...	.437	3.313	14	.069	3.313		16	2086...	32130	1.872	1.872	...	H1-...
22	M57A	PIPE_...	.088	2.656	7	.014	2.656		7	2884...	32130	1.872	1.872	1	H1-...
23	M58	LL2.5X...	.140	7.326	21	.002	7.326	y	23	3167...	62208	3.621	2.709	1	H1-...
24	M59A	LL2.5X...	.136	7.326	13	.002	0	y	23	3167...	62208	3.621	2.709	1	H1-...

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

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
25	M60	LL2.5X...	.145	7.326	17	.002	7.326	y	19	3167...	62208	3.621	2.709	1	H1-...
26	M61A	PIPE_...	.522	7.5	29	.069	1.094		46	4371...	32130	1.872	1.872	...	H1-...
27	M74A	PIPE_...	.513	7.5	13	.127	1.094		14	4371...	32130	1.872	1.872	...	H1-...
28	M75A	PIPE_...	.393	14.063	20	.120	1.094		22	4371...	32130	1.872	1.872	...	H1-...
29	M82	L2.5x2....	.202	0	2	.039	0	y	13	2707...	2919...	.873	1.972	...	H2-1
30	M83	L2.5x2....	.240	1.485	26	.032	1.485	z	13	2707...	2919...	.873	1.972	...	H2-1
31	M84	L2.5x2....	.179	0	6	.025	1.485	z	22	2707...	2919...	.873	1.972	...	H2-1

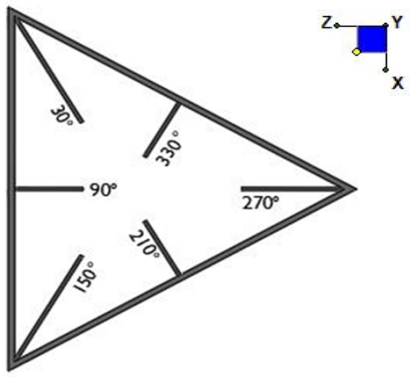
Client:	Verizon Wireless	Date:	7/2/2021
Site Name:	Norfolk East CT		
Project No.	21777241A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

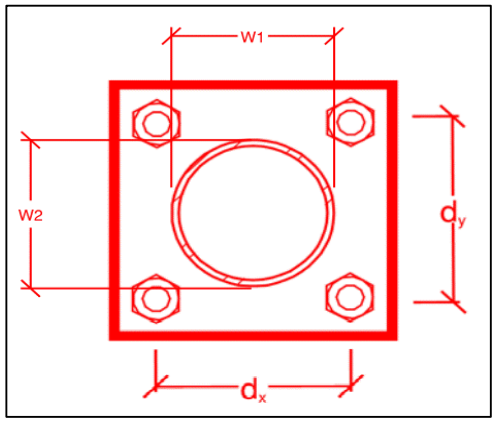
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N9	30
N3	270
N17	150



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)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	10.3
Required Shear Strength (kips):	2.4
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**12.4%***
Shear Capacity Overall:	**4.8%**



**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):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	1
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	1.29
Plate Bending Capacity:	**8.1%**
Weld Capacity:	**15.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.1
Phi*Mn_{xx} *(kip-in)* :	64.8
Mu_{yy} *(kip-in)* :	5.1
Phi*Mn_{yy} *(kip-in)* :	64.8

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the equipment modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment.
    - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

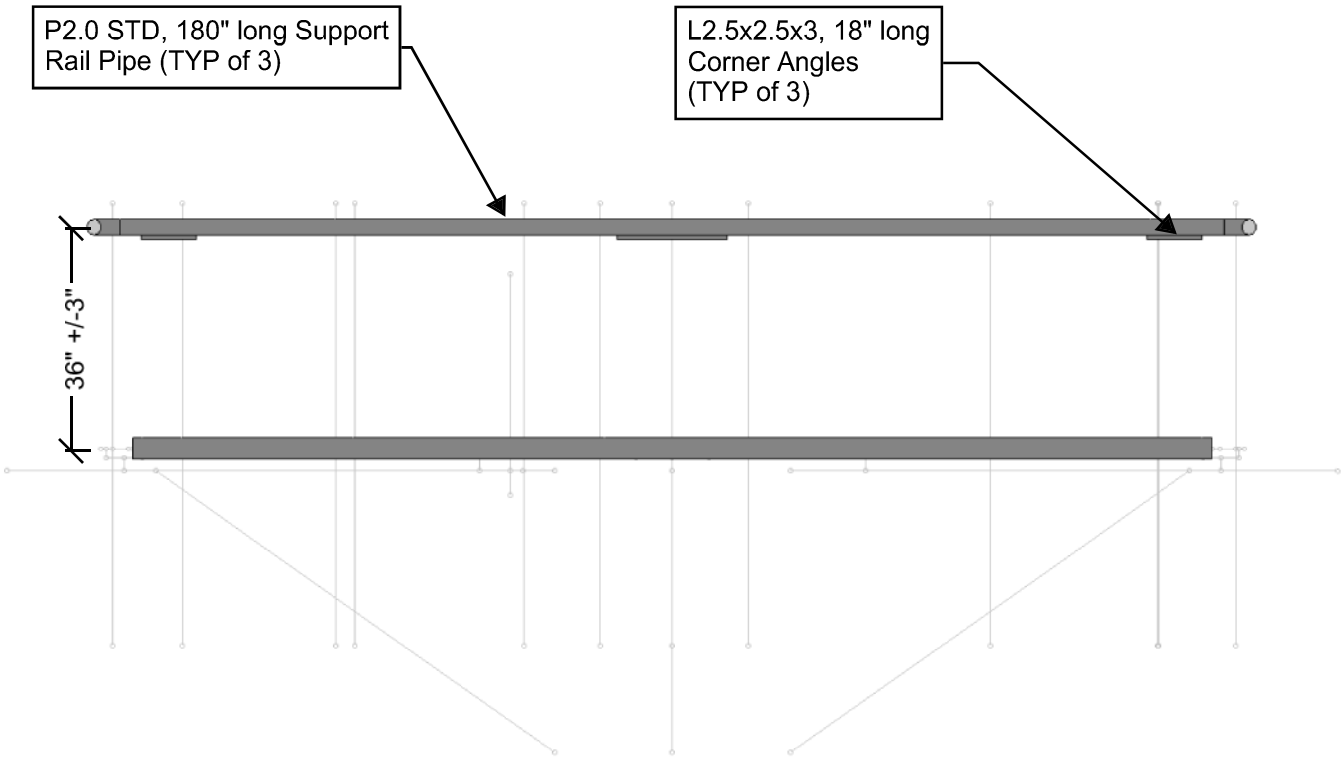
1. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-203/317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provide photos of safety climb guide installation.
2. Contractor shall verify that the previously proposed support rail has been installed as specified and noted in the geometry verification drawings.
3. Contractor shall verify all dimensions and member sizes shown in the mount geometry verification requirements section of the mount analysis report. Contact EOR if these documents are not available to the general contractor.
4. Contractor to install safety climb cable guide (SitePro1, PART #: 120-203/317 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

Mount Front View



MOUNT GEOMETRY VERIFICATION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MEMBER SIZES SHOWN IN THIS SKETCH. DOCUMENT ALL VARIATIONS OR DEVIATIONS VIA PHOTOS AND SKETCHES AND PROVIDE TO THE EOR FOR EVALUATION

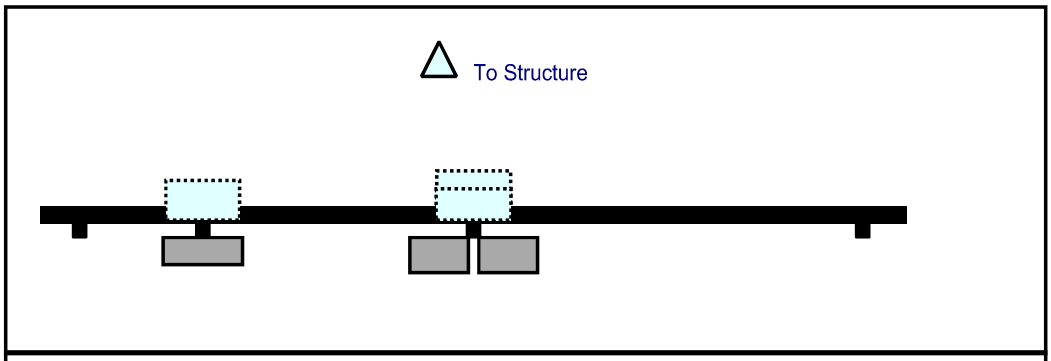
Structure: 469051-VZW - NORFOLK EAST CT

Sector: **A** 7/1/2021

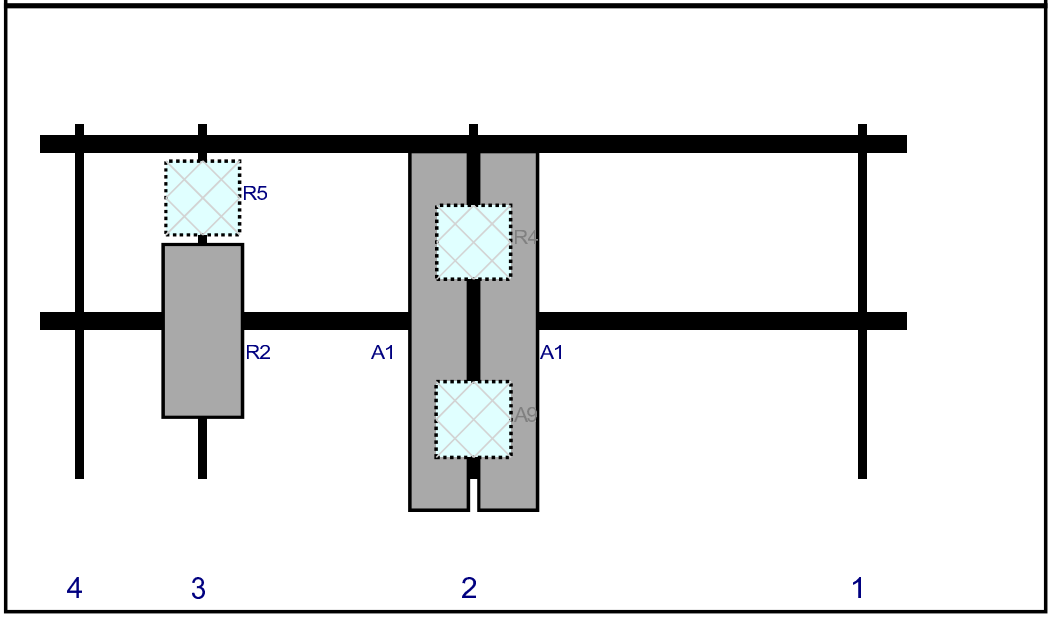
Structure Type: Monopole 10080319

Mount Elev: 160.00 Page: 1

Plan View



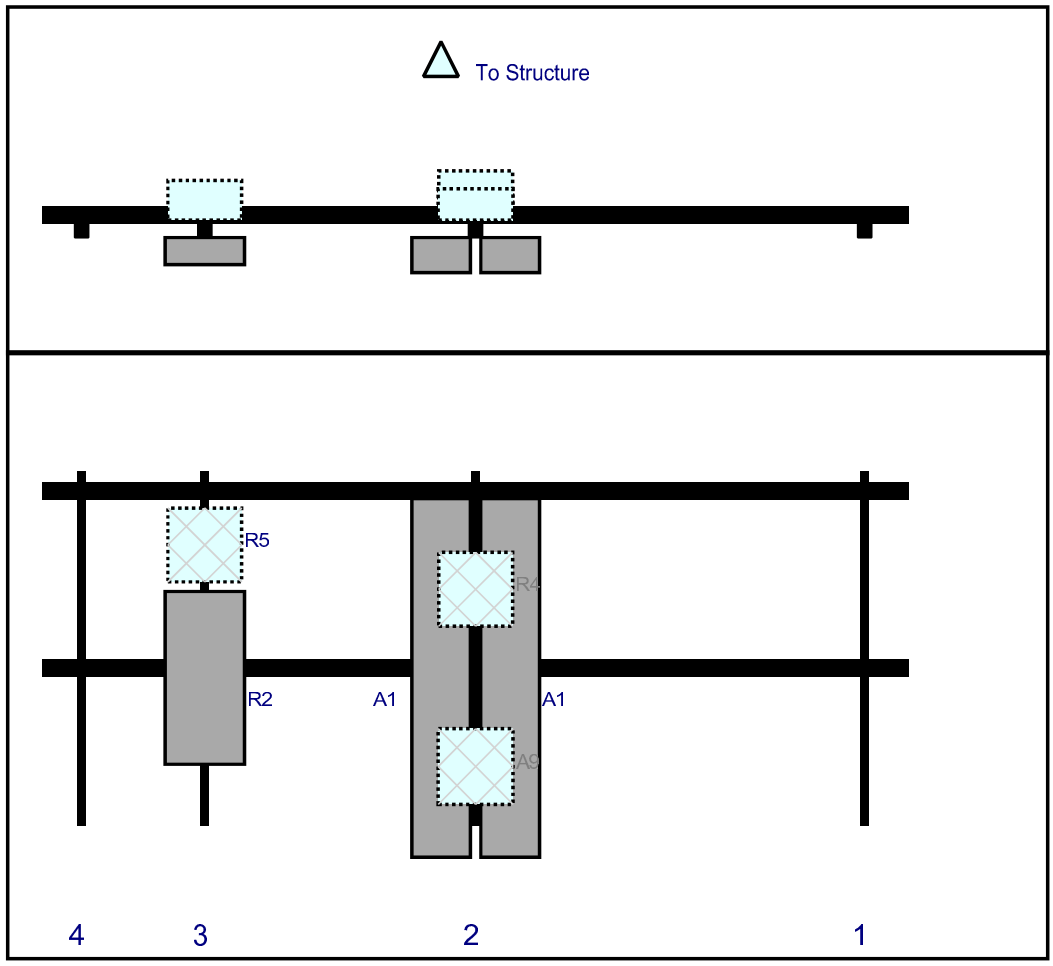
Front View
Looking at Structure



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
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-850B-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	0	Added	

Plan View

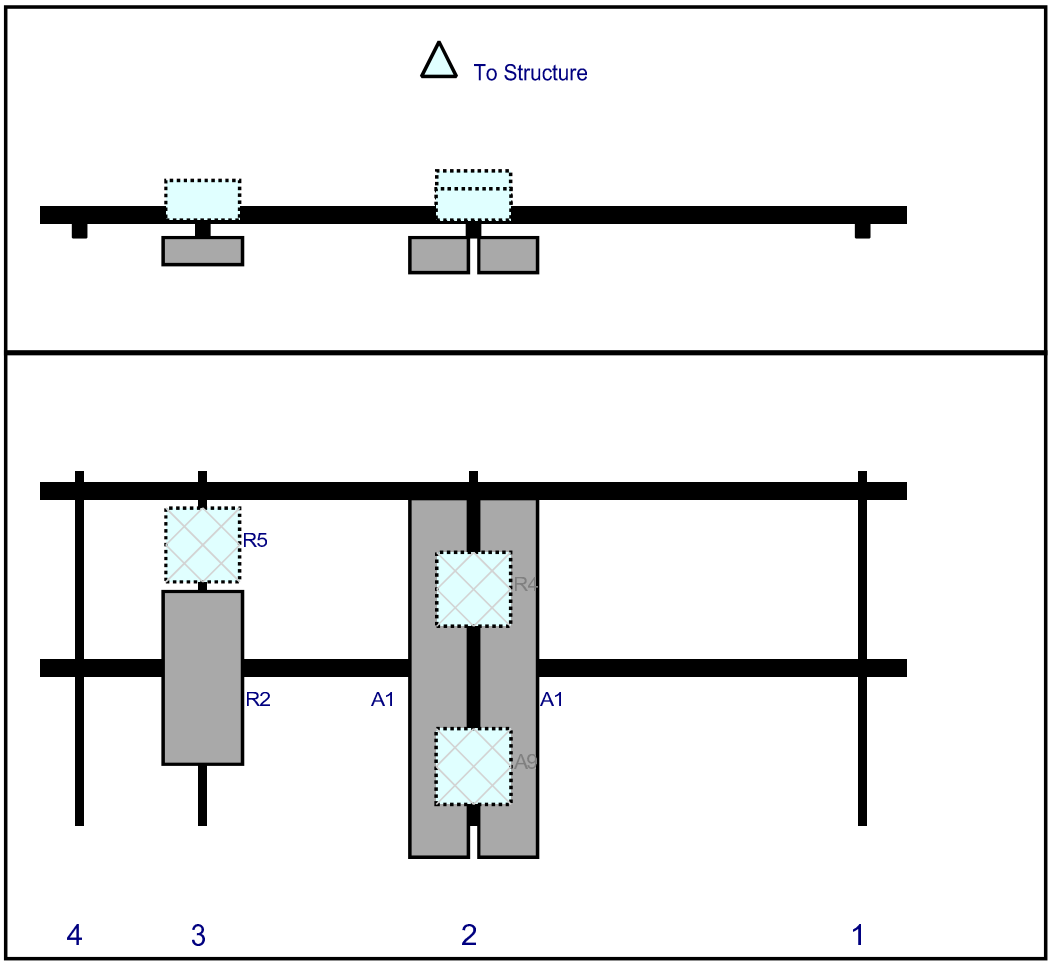
Front View
Looking at Structure



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
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-850B-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	0	Added	

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
A1	NHH-85B-R2B	72.9	11.9	88	2	a	Front	42	7	Added	
A1	NHH-85B-R2B	72.9	11.9	88	2	b	Front	42	-7	Added	
R4	B2/B66A RRH-BR049	15	15	88	2	a	Behind	24	0	Added	
A9	TD-850B-LTE78-43	15.4	15.2	88	2	a	Behind	60	0	Added	
R2	MT6407-77A	35.1	16.1	33	3	a	Front	42	0	Added	
R5	B5/B13 RRH-BR04C	15	15	33	3	a	Behind	15	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	469051-VZW / NORFOLK EAST CT
	Site Name:	NORFOLK EAST CT
	Carrier Name:	Verizon Wireless
	Address:	599 Greenwoods Road Norfolk, Connecticut 06058 Litchfield County
	Latitude:	41.983189°
	Longitude:	-73.153808°
Structure Information	Tower Type:	180-Ft Monopole
	Mount Type:	14.67-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.

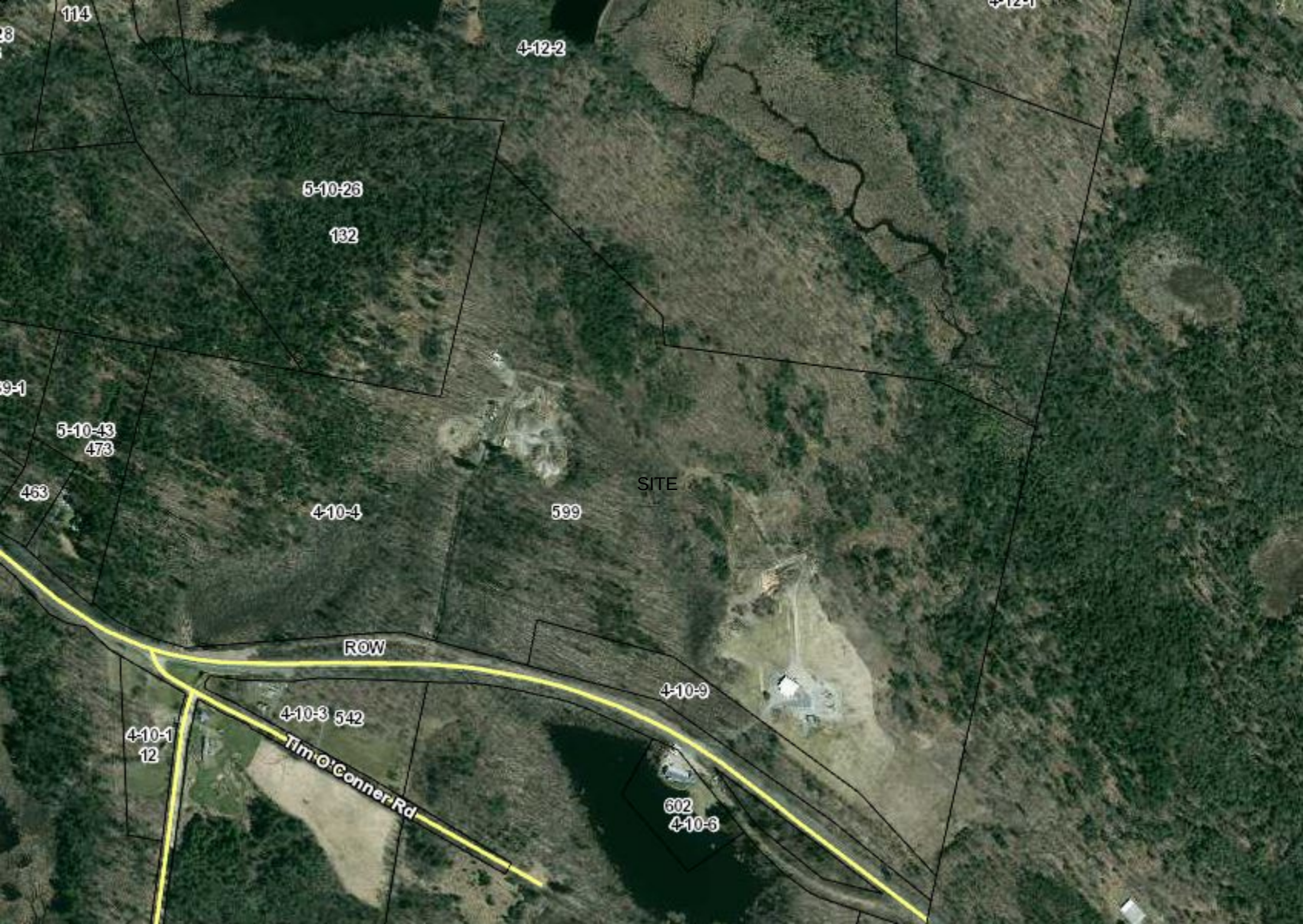
As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates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

Eric Anderson, PE
Technical Specialist

ATTACHMENT 5


114
4-12-2
5-10-26
132
5-10-43
473
463
4-10-4
599
SITE
ROW
4-10-9
4-10-3
542
4-10-1
12
Tim O'Conner Rd
602
4-10-6

Summary

Account Number	001666
Parcel ID	44
Property Address	599 GREENWOODS RD E
Use Class/Description	9-2 EXEMPT COM/IND
Map/Block/Block Cut	4-10/4//
Zoning	C - Commercial
Acres	149

View Map

Owner

NORFOLK TOWN OF
PO BOX 592
NORFOLK, CT 06058-0592

Valuation

Columns

Assessed Year	2020	2019
Appraised Building Value	$0.00	$0.00
Appraised XF/OB Value	$48,050.00	$48,050.00
Appraised Land Value	$888,200.00	$888,200.00
Appraised Total Value	**$936,250.00**	**$936,250.00**
Assessed Building Value	$0.00	$0.00
Assessed XF/OB Value	$33,630.00	$33,630.00
Assessed Land Value	$621,740.00	$621,740.00
Assessed Total Value	**$655,370.00**	**$655,370.00**

Land

Building Number	1	Land Units	147 AC
Land Use	9-2 - EXEMPT COM/IND	Value	823,200

Building Number	1	Land Units	2 AC
Land Use	9-2 - EXEMPT COM/IND	Value	65,000

Information

Norfolk
CONNECTICUT

Town of Norfolk, CT
19 Maple Avenue
PO Box 552
Norfolk, CT 06058
Website

Assessor
(860) 542-5287

Announcements

Search across multiple counties

ATTACHMENT 6

NORFOLK EAST

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	2	2	neopost 06/16/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203837
	Postmaster, per *(name of receiving employee)*		

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

OLD STATE HOUSE STATION 06103
AUG 16 2021
USPS

See Reverse for Instructions