Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
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Direct (860) 275-8345

Also admitted in Massachusetts
and New York

March 25, 2022

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**
206 Everett Road, Easton, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Easton ("Town") in September of 1999 for Nextel Communications. Cellco's shared use of the tower was approved by the Siting Council ("Council") in December of 2006 (EM-VER-046-090417). A copy of the Town's tower approval and the Council's EM-VER-046-090417 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) new Samsung MT6407-77A antennas and six (6) new MX06FRO660-03 antennas on its existing antenna platform. Cellco also intends to remove three (3) remote radio heads ("RRHs") and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the specifications for Cellco's new antennas and RRHs are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Easton's Chief Elected Official and Land Use Officer.

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

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

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

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

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

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
David Bindleglass, Easton First Selectman
Mark DeLieto, Zoning Enforcement Officer
Joan and David Barney, Property Owners
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

Tab 7 Document 3

EASTON PLANNING & ZONING COMMISSION

225 CENTER ROAD

EASTON, CT., 06612

CERTIFIED MAIL
RECEIPT #Z1996862361

September 29, 1999

NEXTEL COMMUNICATIONS OF THE
MID-ATLANTIC d/b/a NEXTEL COMMUNICATIONS
100 Corporate Place
Rocky Hill, Connecticut 06067

Attention: Susan Bellion

RE: SP-99-05, NEXTEL CUMMUNICATIONS OF THE MID-ATLANTIC, INC. d/b/a NEXTEL COMMUNICATIONS, Location: 206 Everett Road, Map 9601, Block 1, District B

Dear Ms. Bellion:

Please be advised that the Easton Planning & Zoning Commission, at its regular meeting of September 27, 1999 voted to APPROVE your application for Special Permit for Wireless Telecommunication Tower at the above site with the stipulations and modifications set forth in EXHIBIT A , attached hereto and part of this letter.

Upon receipt of this letter, this original copy and all attached exhibits must be filed in the Easton land records at the applicant's expense. The effective date of this decision is October 15, 1999.

Yours truly,

EASTON PLANNING & ZONING COMMISSION

by Robert Maquat
Robert Maquat, Acting Chairman

RM:ma
cc: Attorney Daniel Leary, Cuddy & Feder & Worby

EXHIBIT A

RE: SP-99-05, Special Permit for Wireless Telecommunication Tower by
Nextel Communications of the Mid-Atlantic Inc. d/b/a
Nextel Communications, Location: 206 Everett Road
9/27/99

The stipulations and modifications set forth below are an integral part of the approval of the subject-named Special Permit application for construction of a Tower for mounting of Telecommunication Antenna(e). Special Permit plans and design information shall be revised to meet the following:

1. the Tower be constructed as to permit the installation of antenna(e) that may be required by up to and including three additional Providers as defined in Section 7.10.2 of the Easton Zoning Regulations, with the construction to accommodate such additional Provider(s) to be completed either
   (a) in the initial Tower construction, or
   (b) by means of structural addition or other modification to the initial Tower construction
   in a timely manner when any such additional Provider(s) request(s) installation of their antenna(e) on the Tower; and,
2. In the event that Nextel constructs the Tower initially to permit subsequent addition of modification pursuant to 1(b) above, then Nextel shall furnish a bond to this Commission in the amount of $25000 to assure timely completion of any such addition or modification, such bond to be released by the Town on either a) completion of any such additions or modifications to accommodate three Providers in addition to Nextel, or b) the expiration of five years following the effective date of this approval, whichever shall first occur; and,
3. Within ten days following receipt of a request from any other Provider to install their antenna(e) on the Tower, Nextel shall notify this Commission of such request and in the event of denial of any such request, Nextel shall submit a written report to this Commission in a timely manner specifying in detail the reason(s) for such denial.

EASTON PLANNING & ZONING COMMISSION

by Robert Maquat ma
Robert Maquat
Acting Chairman

RECEIVED FOR RECORD NOVEMBER 5, 1999
AT 9:51 P.M. ATTEST Elizabeth O. Fowler
EASTON TOWN CLERK

NOTICE OF
ZONING PERMIT EASTON, CONN.

PERMIT NO. Z-99-1704 DATE April 26, 2000

GRANTED TO The Barney Family Trust, Alfred Barney, Dorothy Barney

LOCATION 206 Everett Road

TO ERECT OR BUILD 7'2" x 11'2" unmanned prefabricated equipment shelter & monopole (capable of supporting four carriers).

NOTICE
CERTIFIED PLOT PLAN REQUIRED
BEFORE CONSTRUCTION OF BUILDING
ON FOUNDATION.
ART. IX PAR. 9.2.4

5.1.00 Permit Posted 2.24

Z.E.O. FOR PLANNING AND ZONING COMMISSION
Phillip Doremus

This permit is based on information submitted with your application. If any changes or alterations are to be made which are not covered in the initial application, then a new and additional permit should be obtained.

This Notice should be posted in a conspicuous place where it is readily visible to the enforcement authority during the entire time required to complete the work.

7/88

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 1, 2009

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

RE: **EM-VER-046-090417** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Everett Road, Easton, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- The applicant shall take steps to ensure that the foundation does not exceed 100 percent of its post-construction structural rating; and

- A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the foundation does not exceed 100 percent of its post-construction structural rating.

The proposed modifications are to be implemented as specified here and in your notice dated April 17, 2009, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/laf

c: The Honorable Thomas A. Herrmann, First Selectman, Town of Easton
Philip Doremus, Planning & Zoning Official, Town of Easton
Thomas J. Regan, Esq., Brown Rudnick LLP

ATTACHMENT 2

verizon

SITE NAME: EASTON_NORTH_2_CT

206 EVERETT ROAD
EASTON, CT 06612
TOWN OF EASTON
FAIRFIELD COUNTY

811 Know what's below. Call before you dig.

SITE INFORMATION

SITE ADDRESS:	206 EVERETT ROAD EASTON, CT 06612
LATITUDE (NAD 83): LONGITUDE (NAD 83):	41°-17'-25.2384"N (41.290344°) 73°-16'-57.6084"W (-73.282669°)
JURISDICTION:	TOWN OF EASTON FAIRFIELD COUNTY
PARCEL NUMBER:	112316
PROPERTY OWNER:	JOAN INT BARNEY/DAVID BARNEY 108 HIRAM HILL ROAD MONROE, CT 06468
TOWER OWNER:	SBA COMMUNICATIONS CORPORATION 8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307
VZW SITE ID:	605237
STRUCTURE TYPE:	MONOPOLE
CONSTRUCTION TYPE:	II B
USE GROUP:	U

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT PROJECT NUMBER:	100765
VERIZON LOCATION CODE (PSLC):	468248

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED

YES

VERIZON APPROVED VENDORS

* REFER TO MOUNT MODIFICATION DRAWINGS.

VICINITY MAP

SCOPE OF WORK

PROJECT CONSISTS OF INSTALLING: (3) PROPOSED DUAL ANTENNA MOUNTING BRACKETS, (9) PROPOSED ANTENNAS, (9) PROPOSED RRUs, (1) PROPOSED 12X24 (1.976"Ø) HYBRID CABLE, (1) PROPOSED OVPS, AND (3) PROPOSED COMBINERS TO AN EXISTING WIRELESS TELECOMMUNICATIONS FACILITY.

PROJECT CONSISTS OF REMOVING: (9) EXISTING ANTENNAS, (3) EXISTING RRUS, (1) EXISTING OVP, AND (6) EXISTING DIPLEXERS FROM AN EXISTING WIRELESS TELECOMMUNICATIONS FACILITY.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2018 CT STATE BUILDING CODE / (2015 IBC W/ CT AMENDMENTS)
- 2018 CT STATE BUILDING CODE / (2015 IMC W/ CT AMENDMENTS)
- 2018 CT STATE BUILDING CODE / (2020 NEC W/ CT AMENDMENTS)
- NFPA 1-2015 EDITION
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 22"X34". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPROVAL BLOCK

		APPROVED	APPROVED AS NOTED	DISAPPROVED/ REVISE
CONSTRUCTION MANAGER	DATE	☐	☐	☐
SITE ACQUISITION	DATE	☐	☐	☐
RF ENGINEER	DATE	☐	☐	☐
LESSOR/LESSOR REP	DATE	☐	☐	☐

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 100
CHELMSFORD, MA 01824
(978) 656-6300

APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

EASTON_NORTH_2_CT
206 EVERETT ROAD
EASTON, CT 06612
TOWN OF EASTON
FAIRFIELD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	03/15/2022	CONSTRUCTION CDs	CWE

PROFESSIONAL STAMP

STATE OF CONNECTICUT
DANIEL J. CORNING
34055
LICENSED
PROFESSIONAL ENGINEER

ENGINEER

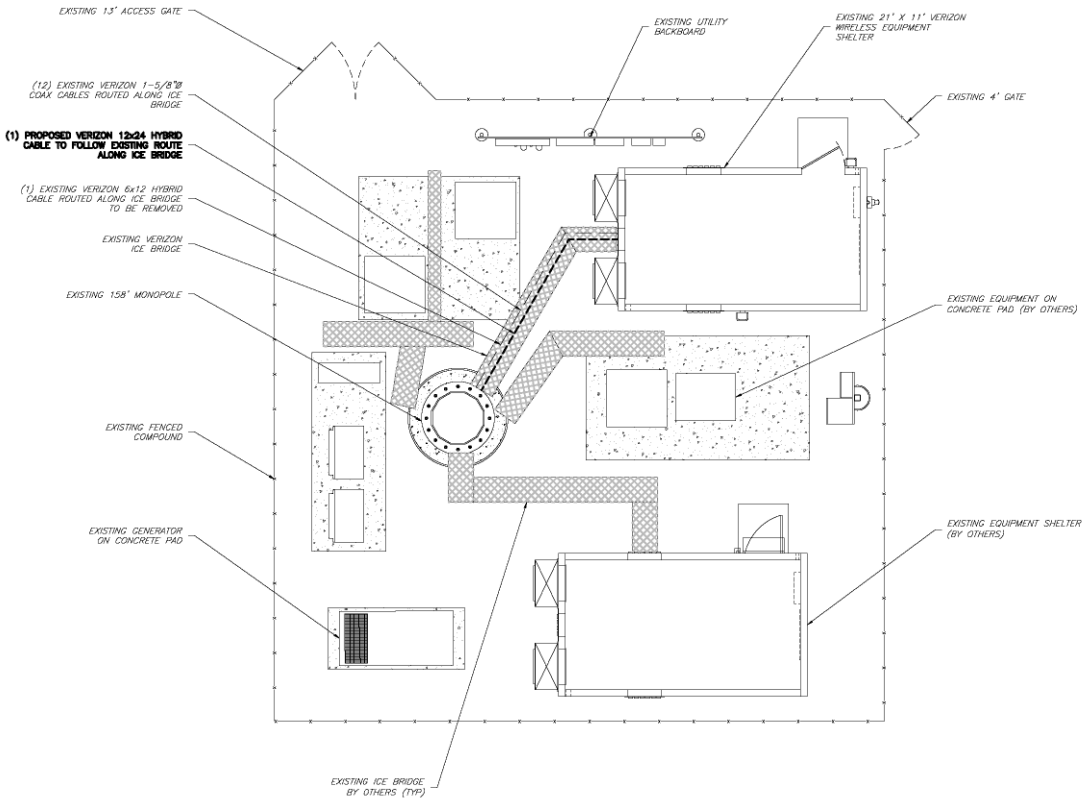
DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



1 / C-1 COMPOUND PLAN
SCALE: 1" = 5' (22X34)
SCALE: 1" = 10' (11X17)

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
8. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
9. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
10. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
11. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
12. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
13. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
14. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.

GRAPHIC SCALE
0 2.5 5 10 20
1 INCH = 5 FEET (22X34)
1 INCH = 10 FEET (11X17)

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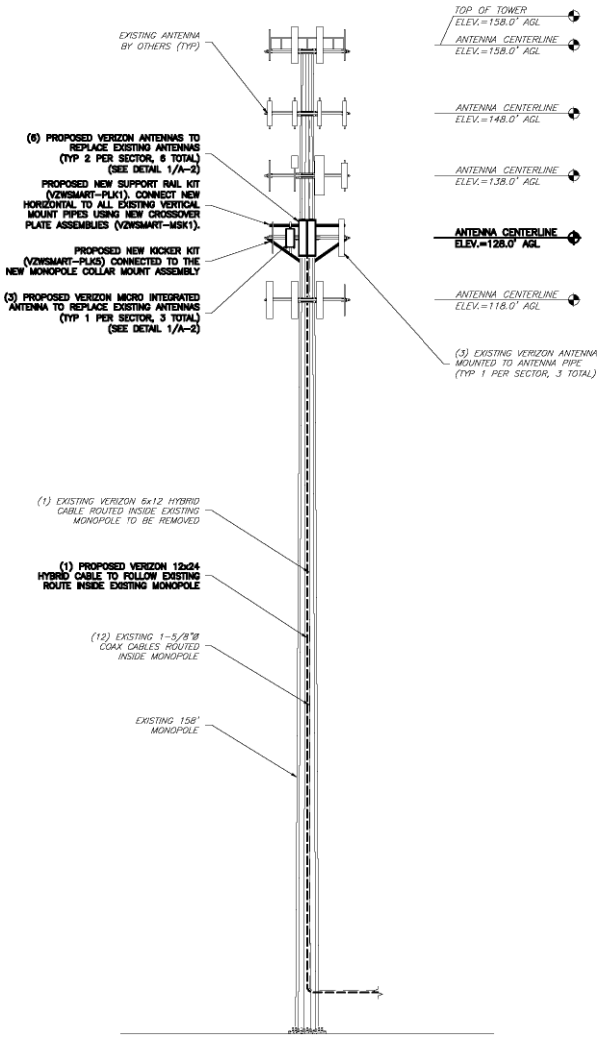
SHEET TITLE

COMPOUND PLAN

SHEET NUMBER

C-1



1 C-2 ELEVATION
SCALE: 1" = 10' (22X34)
SCALE: 1" = 20' (11X17)

NOTE:
POST-MODIFICATION INSPECTION (PMI) REQUIRED ON ALL SITES. REFER TO THE MOUNT ANALYSIS PREPARED BY MASER CONSULTING CONNECTICUT DATED 11/23/2021 FOR ADDITIONAL DETAILS.

NOTE:
MOUNT MODIFICATIONS ARE REQUIRED BEFORE ANY INSTALL CAN OCCUR, PLEASE REFER TO THE MOUNT MODIFICATION DRAWINGS PROVIDED BY COLLIERS ENGINEERING & DESIGN DATED, 11/23/2021.

GRAPHIC SCALE
10 0 5 10 20 40
1 INCH = 10 FEET (22X34)
1 INCH = 20 FEET (11X17)

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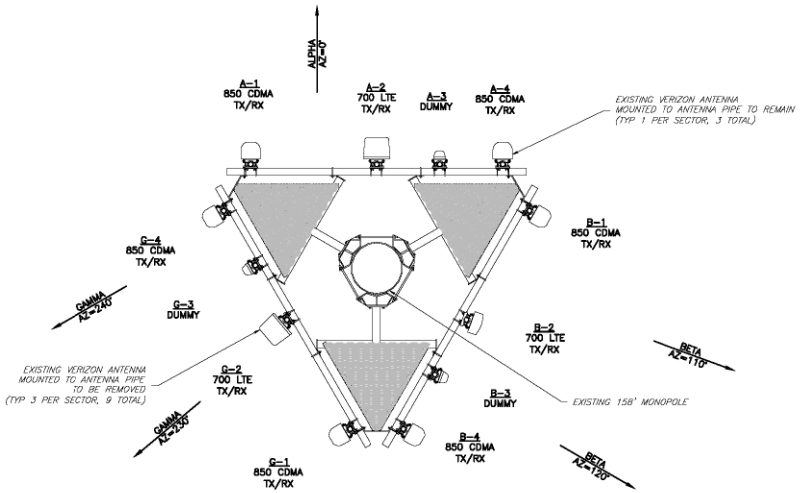
SHEET TITLE

ELEVATION

SHEET NUMBER

C-2



1 / A-1 EXISTING ANTENNA ORIENTATION PLAN
NTS

APPROX TRUE NORTH

EXISTING ANTENNA & RRH SCHEDULE

ANTENNA POSITION	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	DOWN TILT		RRH QUANTITY & MODEL	TECHNOLOGY	CABLE SIZE, LENGTH & QUANTITY
					MECH	ELEC			
A-1	ANDREW	DB846F65ZAXY	128.00'	0°	2°	0°	–	–	(4) 1-5/8" Ø COAX CABLES (180'±)
A-2	SWEDCOM	SLCP 2X6014	128.00'	0°	3°	0°	(1) UHBA B13 RRH 4x30	700 LTE	
A-3	AMPHENOL	BXA-171063-12BF	128.00'	0°	–	–	–	–	
A-4	ANDREW	DB846F65ZAXY	128.00'	0°	2°	0°	–	–	
B-1	ANDREW	DB846F65ZAXY	128.00'	110°	2°	0°	–	–	(4) 1-5/8" Ø COAX CABLES (180'±)
B-2	AMPHENOL	BXA-70063-6BF-EDIN-0	128.00'	110°	0°	0°	(1) UHBA B13 RRH 4x30	700 LTE	
B-3	AMPHENOL	BXA-171063-12BF	128.00'	120°	–	–	–	–	
B-4	ANDREW	DB846F65ZAXY	128.00'	120°	2°	0°	–	–	
C-1	ANDREW	DB846F65ZAXY	128.00'	240°	2°	0°	–	–	(4) 1-5/8" Ø COAX CABLES (180'±)
C-2	SWEDCOM	SLCP 2X6014	128.00'	230°	2°	0°	(1) UHBA B13 RRH 4x30	700 LTE	
C-3	AMPHENOL	BXA-171063-12BF	128.00'	240°	–	–	–	–	
C-4	ANDREW	DB846F65ZAXY	128.00'	240°	2°	0°	–	–	

NOTES:
1. PLANS PREPARED PER RF SHEET DATED 09/28/2021. CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT DATA AT TIME OF CONSTRUCTION.
2. CONTRACTOR TO CONFIRM CABLE LENGTHS PRIOR TO CONSTRUCTION.

ENGINEER

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SUITE 100
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ENGINEER

DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

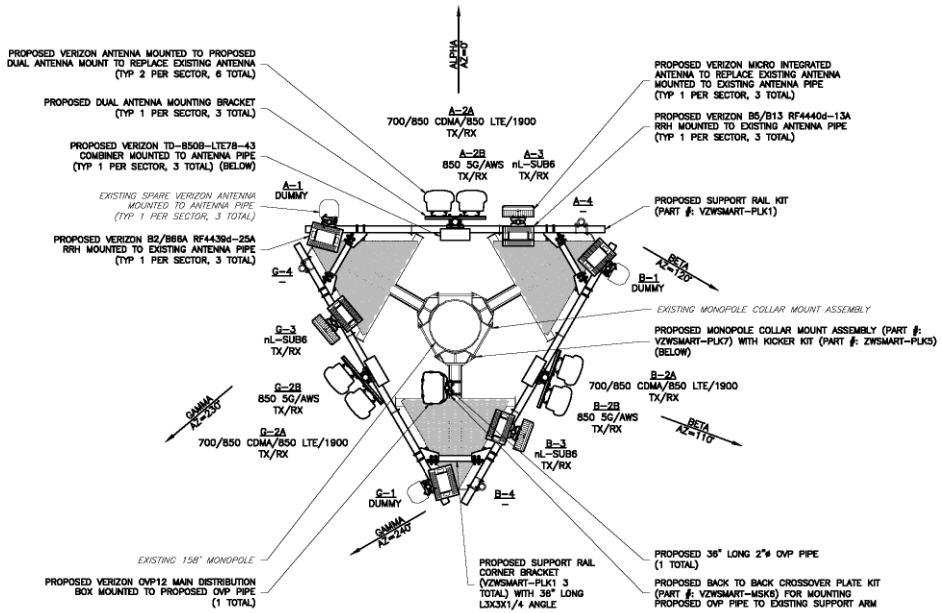
EXISTING ANTENNA PLAN & SCHEDULE

SHEET NUMBER

A-1

GENERAL ANTENNA NOTES

1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
3. CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
4. CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
7. CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH VERIZON REPRESENTATIVE.
8. A STRUCTURAL ANALYSIS REPORT HAS BEEN ISSUED BY TOWER ENGINEERING SOLUTIONS, DATED 03/07/2022 TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.



1 / A-2 PROPOSED ANTENNA ORIENTATION PLAN
NTS

NOTE:
POST-MODIFICATION INSPECTION (PMI) REQUIRED ON ALL SITES. REFER TO THE MOUNT ANALYSIS PREPARED BY MASER CONSULTING CONNECTICUT DATED 11/23/2021 FOR ADDITIONAL DETAILS.

NOTE:
MOUNT MODIFICATIONS ARE REQUIRED BEFORE ANY INSTALL CAN OCCUR, PLEASE REFER TO THE MOUNT MODIFICATION DRAWINGS PROVIDED BY COLLIERS ENGINEERING & DESIGN DATED, 11/23/2021.

PROPOSED ANTENNA & RRH SCHEDULE

ANTENNA POSITION	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	DOWN TILT MECH	DOWN TILT ELEC	RRH QUANTITY & MODEL	TECHNOLOGY	CABLE SIZE, QUANTITY, & LENGTH
A-1	ANDREW	DB846F65ZAXY	128.00'	0°	–	–	–	–	(4) 1-5/8"ø COAX (180'±) SHARED THROUGH HYBRID CABLE
A-2a	JMA WIRELESS	MX08FRO660-3	128.00'	0°	0°/2°/0°/0°	2°/2°/2°/2°	(1) RF4440D-13A	700/850	
A-2b	JMA WIRELESS	MX08FRO660-3	128.00'	0°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
A-3	SAMSUNG	MT6407-77A	128.00'	0°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
A-4	EMPTY	–	–	–	–	–	–	–	
B-1	ANDREW	DB846F65ZAXY	128.00'	120°	–	–	–	–	(4) 1-5/8"ø COAX (180'±) SHARED THROUGH HYBRID CABLE
B-2a	JMA WIRELESS	MX08FRO660-3	128.00'	110°	0°/2°/0°/0°	2°/2°/2°/2°	(1) RF4440D-13A	700/850	
B-2b	JMA WIRELESS	MX08FRO660-3	128.00'	110°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
B-3	SAMSUNG	MT6407-77A	128.00'	110°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
B-4	EMPTY	–	–	–	–	–	–	–	
G-1	ANDREW	DB846F65ZAXY	128.00'	240°	–	–	–	–	(4) 1-5/8"ø COAX (180'±) (1) 12x24 HYBRID CABLE (180'±)
G-2a	JMA WIRELESS	MX08FRO660-3	128.00'	230°	0°/2°/0°/0°	2°/2°/2°/2°	(1) RF4440D-13A	700/850	
G-2b	JMA WIRELESS	MX08FRO660-3	128.00'	230°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
G-3	SAMSUNG	MT6407-77A	128.00'	230°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
G-4	EMPTY	–	–	–	–	–	–	–	

NOTES:
1. CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT DATA AT TIME OF CONSTRUCTION.
2. CONTRACTOR TO CONFIRM CABLE LENGTHS PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE TO BUILD FROM THE LATEST RF SHEET.

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SITE INFORMATION
EASTON_NORTH_2_CT
206 EVERETT ROAD
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TOWN OF EASTON
FAIRFIELD COUNTY

DESIGN RECORD
REVISIONS

REV	DATE	DESCRIPTION	BY
0	03/15/2022	CONSTRUCTION CDs	CWE

PROFESSIONAL STAMP
STATE OF CONNECTICUT · DANIEL J. CORNING · 34055 · LICENSED PROFESSIONAL ENGINEER

ENGINEER
DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE
PROPOSED ANTENNA PLAN & SCHEDULE

SHEET NUMBER
A-2

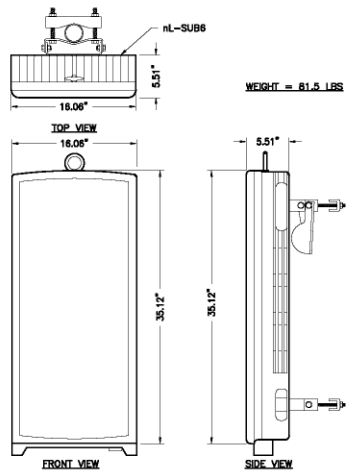
EXISTING ANTENNA SPECIFICATIONS

ANTENNA MANUFACTURER	ANTENNA MODEL	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
AMPHENOL	*BXA-70063-6BF-EDIN-0	1	71.0"	11.2"	6.0"	17.0 LBS
AMPHENOL	*BXA-171063-12BF	3	72.4"	6.1"	4.1"	12.8 LBS
SWEDCOM	*SLCP 2X6014	2	53.0"	14.0"	11.0"	20.0 LBS
ANDREW	*DB846F65ZAXY	3	72.0"	10.0"	8.5"	20.9 LBS
ANDREW	DB846F65ZAXY	3	72.0"	10.0"	8.5"	20.9 LBS

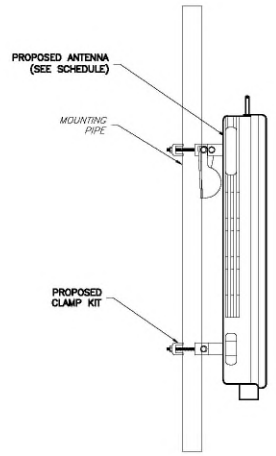
* TO BE REMOVED

PROPOSED ANTENNA SPECIFICATIONS

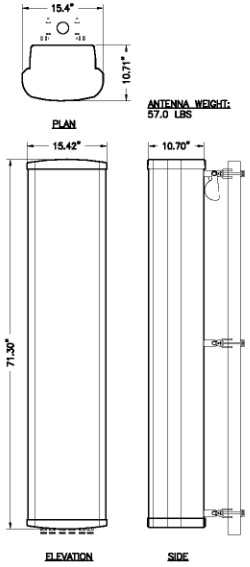
ANTENNA MANUFACTURER	ANTENNA MODEL	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
JMA WIRELESS	MX06FRO660-03	6	71.30"	15.42"	10.70"	57.0 LBS
SAMSUNG	MT6407-77A	3	35.12"	16.06"	5.51"	81.5 LBS



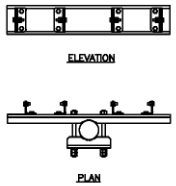
1 A-3 MT6407-77A INTEGRATED ANTENNA
NTS



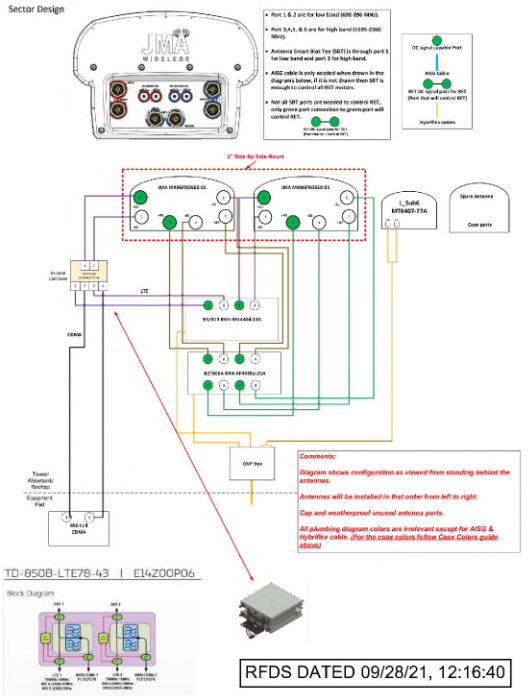
2 A-3 ANTENNA MOUNTING DETAILS
NTS



3 A-3 MX06FRO660-03 ANTENNA DETAILS
NTS



4 A-3 JMA WIRELESS DUAL-MOUNT ANTENNA BRACKET DETAIL
NTS



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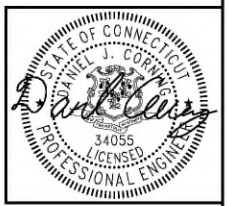


ENGINEER

DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

ANTENNA DETAILS & PLUMBING DIAGRAM

SHEET NUMBER

A-3

EXISTING RRH EQUIPMENT SPECIFICATIONS

MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
NOKIA	* UHBA B13 RRH 4x30	SHELTER	3	21.60"	12"	9.0"	56.7 LBS

* TO BE REMOVED

PROPOSED RRH EQUIPMENT SPECIFICATIONS

MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
SAMSUNG	RF4440d-13A	TOWER	3	15.50"	15.90"	10.20"	74.5 LBS
SAMSUNG	RF4439d-25A	TOWER	3	15.50"	15.90"	12.00"	90.0 LBS

EXISTING DISTRIBUTION EQUIPMENT SPECIFICATIONS

MANUFRACUTRER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RFS	*DB-B1-6C-12AB-0Z (OVP6)	SHELTER	1	28.93"	15.73"	10.3"	32.0 LBS

* TO BE REMOVED

PROPOSED DISTRIBUTION EQUIPMENT SPECIFICATIONS

MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RFS	DB-C1-12C-24AB-0Z (OVP12)	TOWER	1	29.49"	16.54"	12.56"	32.0 LBS

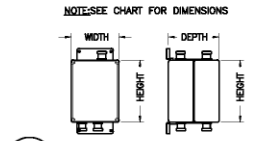
EXISTING DIPLEXER EQUIPMENT SPECIFICATIONS

MANUFRACUTRER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RFS	* FD9R6004/2C-3L	TOWER	6	5.8"	6.5"	1.5"	3.1 LBS

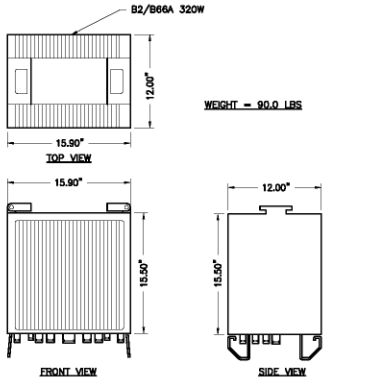
* TO BE REMOVED

PROPOSED COMBINER EQUIPMENT SPECIFICATIONS

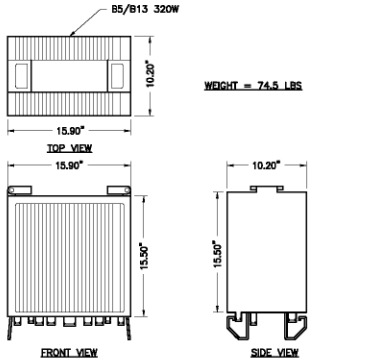
MANUFRACUTRER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
COMMSCOPE	TD-850B-LTE78-43	TOWER	3	15.4"	15.2"	6.7"	52.9 LBS



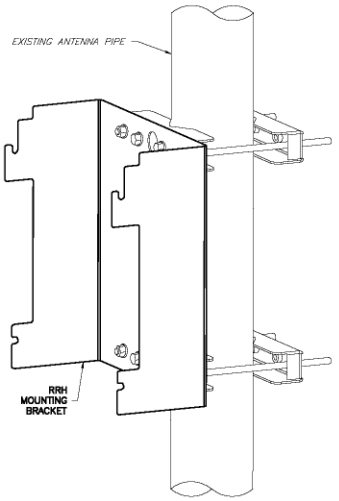
5 A-4 TWIN COMBINER DETAIL NTS



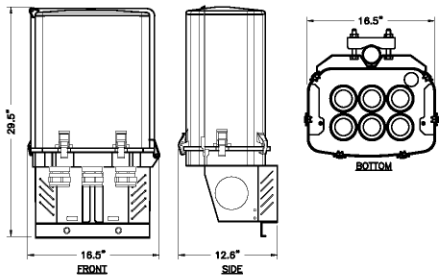
1 A-4 B2/B66A RF4439D-25A (REMOTE RADIO HEAD) NTS



2 A-4 B5/B13 RF4440D-13A (REMOTE RADIO HEAD) NTS



3 A-4 RRH MOUNTING DETAIL NTS



4 A-4 OVP12 DISTRIBUTION BOX DETAIL NTS

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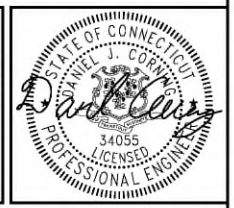

ENGINEER

DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

EQUIPMENT SPECIFICATIONS & DETAILS

SHEET NUMBER

A-4

VERIZON WIRELESS CONTRACTOR SCOPE OF WORK

- VERIZON WIRELESS CONTRACTOR IS TO SUPPLY AND INSTALL THE PROPOSED CABLE JUMPER (WITH LC TO LC CONNECTORS) FROM THE PROPOSED FIBER TRAYS TO THE PROPOSED MAIN DISTRIBUTION BOX (BOTTOM).
- VERIZON WIRELESS CONTRACTOR IS TO SUPPLY AND INSTALL ALL MOUNTING HARDWARE AND 1/2" ANTENNA JUMPER CABLES AS REQUIRED DURING CONSTRUCTION.
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL THE PROPOSED MAIN DISTRIBUTION BOXES (BOTTOM) INSIDE OF THE EXISTING EQUIPMENT SHELTER. THE CONTRACTOR IS TO VERIFY THE LOCATION IN THE EQUIPMENT SHELTER PRIOR TO CONSTRUCTION.
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL THE PROPOSED MAIN DISTRIBUTION BOXES (TOP) IN THE ALPHA SECTOR MOUNTED ON THE PLATFORM ARM.
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL (1) RUN OF 12/24 HYBRID CABLE FROM THE PROPOSED MAIN DISTRIBUTION BOX (BOTTOM) TO THE MAIN DISTRIBUTION BOX (TOP) FOLLOWING THE PATH OF THE EXISTING CABLES.
- VERIZON WIRELESS CONTRACTOR IS TO MAKE ALL ALARM CONNECTIONS TO THE DISTRIBUTION BOXES AND LEAVE A 40' COIL FOR OTHERS TO PUNCH INTO ALARM BLOCK.
- VERIZON WIRELESS CONTRACTOR IS TO SEAL ALL DISTRIBUTION BOXES AS REQUIRED DURING CONSTRUCTION.
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL (9) RUNS OF HELIAX 1/1 HYBRID CABLE FROM THE PROPOSED MAIN DISTRIBUTION BOXES TO THE REMOTE RADIO HEAD UNITS.
- VERIZON WIRELESS CONTRACTOR IS TO SUPPLY AND INSTALL 1/2" ANTENNA JUMPERS FROM EACH PROPOSED REMOTE RADIO HEAD UNIT (RRH) TO THE PROPOSED ANTENNAS IN ALL SECTORS (36 TOTAL 1/2" ANTENNA JUMPERS).
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL THE PROPOSED REMOTE RADIO HEAD UNITS IN ALL SECTORS ON THE ANTENNA PIPE.
- VERIZON WIRELESS CONTRACTOR IS TO GROUND ALL REMOTE RADIO HEAD UNITS (RRH) AND DISTRIBUTION BOXES TO THE EXISTING GROUND BARS AS REQUIRED DURING CONSTRUCTION.
- VERIZON WIRELESS CONTRACTOR IS TO GROUND ALL PROPOSED ANTENNAS TO THE EXISTING GROUND BARS AS REQUIRED DURING CONSTRUCTION.
- VERIZON WIRELESS CONTRACTOR IS TO COMPLETE THE INSTALLATION OF THE PROPOSED ANTENNAS AND HYBRIFLEX CABLE SYSTEM.
- VERIZON WIRELESS CONTRACTOR IS TO PERFORM THE FOLLOWING OPTICAL SWEEP TESTS; OTDR AND OPTICAL LOSS. RECOMMENDED UNITS – ANRITSU MT9090, JDSU, EXFO FTB-1/FTB-720 OTDR.
- VERIZON WIRELESS CONTRACTOR IS TO PERFORM THE FOLLOWING ANTENNA SYSTEM SWEEP TESTS: SYSTEM VZWR / dB RL.
- VERIZON WIRELESS CONTRACTOR IS TO PROVIDE ALL CLOSE OUT DOCUMENTS AS REQUIRED BY VERIZON WIRELESS.

SAMSUNG RRH

- DUAL RRH B2/B66A RF4439D-25A HELIAX 1/1 HYBRID CABLE CABLE MUST BE CONNECTED TO THE L0 PRIMARY PORT AND (1) EXTRA PAIR OF FIBER CONNECTED TO L1 SECONDARY PORT.
- DUAL RRH B5/B13 RF4440D-13A HELIAX 1/1 HYBRID CABLE MUST BE CONNECTED TO THE L0 PRIMARY PORT.

INTEGRATED ANTENNA

- MT6407-77A 1/1 HYBRID CABLE MUST BE CONNECTED TO OPT1 PORT AND (3) EXTRA FIBER CABLE TO THE SECONDARY OPT2 PORT.

MOP FOR RET INSTALLS

ANTENNA CREW

1. REVIEW ANTENNA SCHEDULE WITH CELL TECH
2. FOR EACH SECTOR, LAY ANTENNAS OUT ON THE GROUND AS THEY WILL BE INSTALLED ACCORDING TO THE ANTENNA SCHEDULE
3. LABELED EACH ANTENNA WITH FACE AND POSITION WITH A SHARPIE (EX:"ALPHA-4")
4. LABEL ALL MOTORS WITH SHARPIE WITH BAND AND TECHNOLOGY (EX:"700LTE", "AWSLTE","PCSLTE","850VOICE", ETC)
5. CONNECT ALL AISG CABLES (INCLUDING JUMPERS THAT WILL BE USED IN FINAL ASSEMBLY) PER THE ANTENNA SCHEDULE
   A. WHEN DAISY CHAINING IS INEVITABLE, AS A GENERAL RULE...
      I. KEEP LOW AND HIGH BANDS ON SEPARATE AISG CHAINS AS MUCH AS POSSIBLE
      II. MINIMIZE AMOUNT OF MOTORS PER CHAIN AS MUCH AS POSSIBLE (MAX IS 6)
   B. WHEN COMPLETED ALL RET MOTOR PORTS NEED TO BE CONNECTED, INCLUDING THE MOTORS NOT BEING USED YET. THE ONLY UNUSED PORT WILL BE THE LAST IN THE DAISY CHAIN, WHICH NEEDS TO BE CAPPED AND WEATHERPROOFED.
6. ON LAPTOP, FILL OUT THE SOFTCOPY OF THE RET DEPLOYMENT FORM AND SAVE IT, REPLACING THE "######" WITH THE 6-DIGIT ENB NUMBER IN THE FILENAME (EX: RET DEPLOYMENT FORM_0981234.XLSX")
7. GIVE A SOFTCOPY OF THE RET DEPLOYMENT FORM TO VZW CELL TECH AND GC/CONSULTANT (EITHER BY EMAIL OR USB STICK)
8. USING THE SAME LAPTOP WHICH HAS THE RET DEPLOYMENT FORM OPENED, CONNECT THE CONTROL MODULE AND PROVISION EACH MOTOR RESPECTIVELY
   NOTE: CREWS MUST USE SOFTWARE THAT IS SPECIFIC TO THE MOTOR TYPE BEING PROVISIONED (IE- JMA SOFTWARE SHOULD ONLY BE SUED FOR JMA MOTORS)
   A. COPY AND PASTE "RET FRIENDLY NAME" FROM SPREADSHEET (COLUMN A) TO THE "SECTOR ID" FIELD OF EACH MOTOR
   B. POPULATE "SET RET TILT"
   C. POPULATE "MECHANICAL TILT"
9. CALIBRATE ALL MOTORS
10. DISCONNECT NECESSARY AISG JUMPERS TO TRANSPORT ANTENNAS SAFELY TO ASSEMBLY
11. INSTALL ANTENNAS ACCORDING TO THE ANTENNA SCHEDULE, USING THE SHARPIE LABELS AS REFERENCE
12. RECONNECT ALL AISG JUMPERS
13. BEFORE PLUGGING INTO EACH RRH, CONNECT MAIN AISG CABLE INTO CONTROLLER TO ENSURE ALL MOTORS ARE STILL SEEN IN THE DAISY CHAIN
14. PLUG AISG INTO RRH AND NOTIFY VZW TECH OF COMPLETION

VZW TECH (USER HELP GUIDE: \\WIN-VZWNET\NORTHEAST\PAPM_IMPLEMENTATION\SYSTEM PERFORMANCE\USERS\MOSERGA\RET\)

15. POWER ON RADIO EQUIPMENT AND RUN ANY NECESSARY WOS
16. "DISCOVER" THE RETS
    A. LOG INTO SAM
       I. VERIFY RET LICENSE ALLOCATION IN SAM
          • ENBEQUIPMENT>ENB>ACTIVATIONSERVICE>ISAISGALLOWED=CHECKED
    B. LOG INTO NEM LOCAL
       I. GO TO TREE VIEW AND HIGHLIGHT RET SUBUNIT
       II. ENABLE BUS SCAN
          • CONFIGURATION> ENABLE AISG BUS SCAN
       III. ALLOCATE CONFIG RIGHTS
          • CONFIGURATION>ALLOCATION CONFIGURATION RIGHTS
       IV. VERIFY CORRECT NUMBER OF RETS ARE DISCOVERED
17. "COMMISSION" THE RETS
    A. LOG INTO NEM LOCAL
       I. STILL IN TREE VIEW, RIGHT CLICK ON "HW MODULES"
       II. SELECT "CREATE RET MO"
       II. RELEASE CONFIG RIGHTS
          • CONFIGURATION>RELEASE CONFIGURATION RIGHTS
       IV. VERIFY RETSUBUNIT:SECTORNAME, ELECTRICAL TILT, AND MECHANICAL TILT ARE POPULATED
18. "PROVISION" THE RETS
    A. LOG INTO SAM
       I. OPEN UP THE ENB PROPERTIES AND COMPLETE A FULL RESYNC
       II. IN THE SEARCH TEXTBOX, SEARCH FOR "RETSUBUNIT"
       III. VERIFY ALL RETS ARE ACCOUNTED FOR AND "RETSUBUNIT:SECTORNAME", "ANTENNAELECTICALTILT", AND "RETSUBUNIT:MECHANICALTILT " ARE ACCURATE

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STATE OF CONNECTICUT
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LICENSED
PROFESSIONAL ENGINEER

ENGINEER

DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

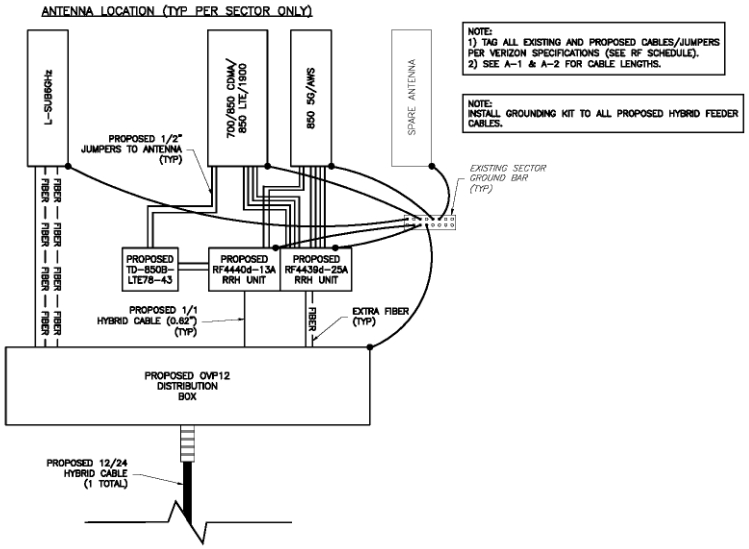
SCOPE OF WORK

SHEET NUMBER

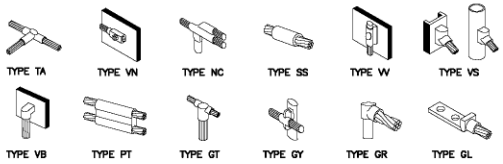
A-5

GROUNDING NOTES

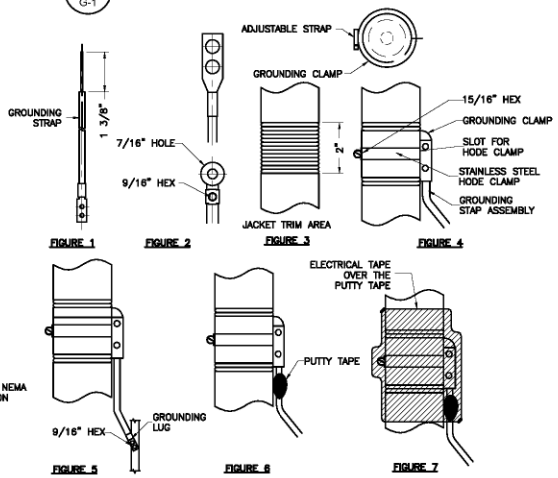
1. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
3. ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
4. GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
5. GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
6. GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
7. ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
8. INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
9. REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
10. ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
11. PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
12. PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.

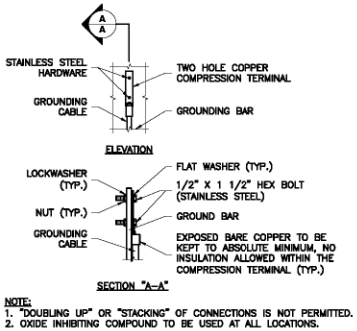


1 G-1 NTS GROUNDING RISER DIAGRAM



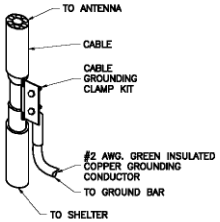
2 G-1 NTS CADWELD GROUNDING CONNECTION DETAILS



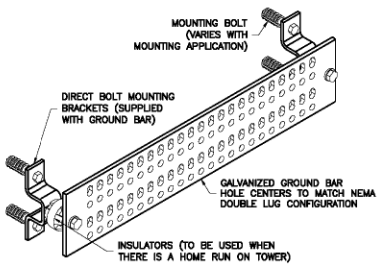


NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

3 G-1 NTS GROUND BAR CONNECTION DETAIL



4 G-1 NTS CABLE GROUNDING DETAIL



5 G-1 NTS GROUND BAR DETAIL

6 G-1 NTS GROUNDING STRAP WEATHERPROOFING DETAIL

ENGINEER

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TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
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SUITE 100
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APPLICANT

verizon
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FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

EASTON_NORTH_2_CT
206 EVERETT ROAD
EASTON, CT 06612
TOWN OF EASTON
FAIRFIELD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	03/15/2022	CONSTRUCTION CDs	CWE

PROFESSIONAL STAMP

STATE OF CONNECTICUT
DANIEL J. CORNING
34055
LICENSED
PROFESSIONAL ENGINEER

ENGINEER

DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

GROUNDING DETAILS & NOTES

SHEET NUMBER

G-1

POST–MODIFICATION INSPECTION (PMI) REQUIREMENT

1. PMI REQUIRED FOR ALL SITES, REFER TO VERIZON NSTD–446 SECTIONS 1.5 AND 2.3 FOR MORE INFORMATION.
2. REFER TO THE MOUNT ANALYSIS BY XXX DATED XXX FOR ADDITIONAL DETAILS.
3. GENERAL CONTRACTOR SHALL PROVIDE THE BELOW DOCUMENTATION TO THE ENGINEER OF RECORD VIA EMAIL TO VZWMOUNTS@NBCLLC.COM, DROPBOX, OR OTHER FILESHARE METHOD. PROVIDE HIGH RESOLUTION PHOTOS (DO NOT COMPRESS).
4. ENGINEER OF RECORD WILL CONDUCT A REVIEW OF THE PROVIDED DOCUMENTS TO PREPARE A PMI REPORT. ENGINEER OF RECORD WILL NOTIFY GENERAL CONTRACTOR IF ANY ADDITIONAL DOCUMENTATION IS REQUIRED TO COMPLETE THE PMI.
5. PMI DOCUMENTATION SHALL BE SUFFICIENT TO CONFIRM THE UPGRADE WAS BUILT AS DESIGNED, INCLUDING EQUIPMENT CHANGES AND STRUCTURAL MODIFICATIONS, AND IS IN ADDITION TO ANY OTHER REQUIRED CLOSEOUT PACKAGE DOCUMENTATION.
6. REQUIRED DOCUMENTATION FOR PMI INCLUDES THE FOLLOWING AT A MINIMUM. REFER TO THE MOUNT ANALYSIS FOR POSSIBLE ADDITIONAL INFORMATION. IF STRUCTURAL MODIFICATIONS ARE REQUIRED, REFER TO THE MODIFICATION DRAWINGS FOR POSSIBLE ADDITIONAL REQUIREMENTS.

6A. PROVIDE PRE–AND–POST CONSTRUCTION PHOTOS OF EACH SECTOR FROM THE MOUNT ELEVATION AND THE GROUND. CONTRACTOR IS RESPONSIBLE FOR ENSURING THE PHOTOS PROVIDED PROVIDE POSITIVE CONFIRMATION THAT THE MODIFICATION/UPGRADE WAS COMPLETED IN ACCORDANCE WITH THESE CONSTRUCTION DRAWINGS AND ANY STRUCTURAL/MOUNT MODIFICATION DRAWINGS. CONTRACTOR SHALL RELAY ANY DATA THAT CAN IMPACT THE PERFORMANCE OF THE MOUNT OR MOUNT MODIFICATION, INCLUDING SAFETY ISSUES. PHOTOS SHALL HAVE A DATE/TIME STAMP IN THE PHOTO. REFER TO THE MOUNT ANALYSIS FOR FILE STRUCTURE SCHEDULE OF PHOTOS. PROVIDE PHOTOS OF THE GATE SIGNS AND CARRIER SHELTER TO IDENTIFY THE TOWER OWNER, SITE NAME, SITE NUMBER, ETC.

6B. VERIFICATION OF THE MEMBER CONNECTIONS, BRACING, AND RELEVANT DIMENSIONS.

6C. VERIFICATION OF THE ANTENNA AND OTHER EQUIPMENT CONFIGURATION (PHOTOS OF MODEL NUMBERS/TAGS FOR ALL EQUIPMENT, AS WELL AS THE FEEDLINE CONFIGURATION). TAKE PHOTOS OF THE BACK SIDE OF EACH SECTOR AS WELL AS CLOSE–UPS OF ALL EQUIPMENT. PHOTOS SHOULD CONFIRM THE HORIZONTAL AND VERTICAL POSITIONING OF THE ANTENNAS AND EQUIPMENT AND SHALL HAVE TAPE MEASURES IN THE PHOTOS TO CONFIRM.

6D. FOR TIE–BACKS, STRUTS, MOUNT PIPES, PHOTOS TO CONFIRM THE ANGLES AND LOCATION OF ATTACHMENT POINT AT BOTH ENDS OF MEMBER, AS WELL AS DIMENSIONS, THICKNESS, AND LENGTHS OF THE MEMBERS. REFER TO THE CHECKLIST IN THE MOUNT ANALYSIS FOR ADDITIONAL INFORMATION.

6E. MOUNT ATTACHMENT TO THE SUPPORTING STRUCTURE, INCLUDING ANY KICKERS OR SUPPORTS, OR TIEBACKS.

6F. MATERIALS USED (TYPE, STRENGTH, DIMENSIONS, ETC). PROVIDE BILL OF MATERIALS AND MATERIAL SPEC TO CONFIRM MATERIAL GRADES AND SIZES. PROVIDE DOCUMENTATION FOR GALVANIZATION OF MEMBERS WHETHER HOT–DIPPED OR COLD–GALVANIZED. IF MATERIALS DIFFER FROM THOSE SPECIFIED ON THESE DRAWINGS, PROVIDE DOCUMENTATION THAT THE "EQUIVALENT" MATERIAL HAS THE SAME SPECIFICATIONS.

6G. MOUNT ORIENTATION/AZIMUTH AND ELEVATION. PROVIDE TAPE DROP PHOTOS OF ANTENNA CENTERLINE(S) AND MOUNT ATTACHMENT POINTS TO THE SUPPORTING STRUCTURE. IF THERE ARE MULTIPLE RAD CENTERS, PROVIDE PHOTOS OF ALL ELEVATIONS.

POST–MODIFICATION INSPECTION (PMI) REQUIREMENT CONT.

6H. VERIFICATION THAT THE INSTALL HAS NOT CAUSED DAMAGE TO OR UNPLANNED OBSTRUCTION OF THE FOLLOWING:

--- CLIMBING FACILITIES
--- SAFETY CLIMB IF PRESENT, INCLUDING PHOTOS ABOVE AND BELOW THE MOUNT.
--- LIGHTING SYSTEM
--- OTHER INSTALLED SYSTEMS ON THE STRUCTURE.
--- CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS SUPPORTED AND NOT ADVERSELY AFFECTED BY THE INSTALLATION OF NEW COMPONENTS. THIS MAY INVOLVE THE INSTALLATION OF WIRE ROPE GUIDES OR OTHER ITEMS TO PROTECT THE WIRE ROPE.

6I. OTHER ITEMS DETERMINED BY THE STRUCTURAL ENGINEER TO ENSURE THE MOUNT WILL PERFORM AS DESIGNED. PHOTOS OF RELEVANT MEASUREMENTS, WITH SUFFICIENT DETAILS TO CONFIRM CONNECTION DETAILS, PLACEMENT OF EQUIPMENT, WALL ANCHOR DETAILS, BALLAST QUANTITIES, STRUCTURAL MODIFICATIONS ETC. DIAMETERS AND THICKNESSES OF BOLTS/THREADED RODS/ANGLES/TUBES ETC SHALL HAVE PHOTOS CONFIRMING CALIPER MEASUREMENTS.

--- CONFIRMATION THAT ALL HARDWARE WAS PROPERLY INSTALLED, AND EXISTING HARDWARE WAS INSPECTED FOR ANY ISSUES.
--- FOR BALLAST SLEDS, DOCUMENTATION OF THE WEIGHT OF BALLAST IN EACH SECTOR.
--- FOR WALL ANCHORS, PHOTOS AND MEASUREMENTS OF OUTSIDE AND INSIDE OF CONNECTIONS. DOCUMENTATION OF ADHESIVE USED, SIZE AND LENGTH OF ANCHORS, EFFECTIVE EMBEDMENT DEPTH OF THE ANCHORS, GROUTING OF HOLLOW WALLS, SPACING AND EDGE DISTANCE MEASUREMENTS, AND ANY THROUGH–BOLTS OR BACKING PLATES.
--- FOR STUD WELD CONNECTIONS, DOCUMENTATION TO CONFIRM SURFACE PREPARATION, STUD WELD SIZE, GRADE, LENGTH, AND SPACING.
--- FOR FABRICATED PARTS, SHOP DRAWINGS TO BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
--- FOR WELDED PARTS, CERTIFIED WELD INSPECTION.
--- FOR BOLTED PARTS, BOLT INSTALLATION AND TORQUE.

7. CONTRACTOR SHALL PROVIDE, IN ADDITION TO THE ABOVE, AS–BUILT CDS WITH REDLINES IDENTIFYING ANY CHANGES. THE AS–BUILTS SHALL THE CONTRACTOR'S NAME, PREPARER'S SIGNATURE, AND DATE.
8. IF THE MODIFICATION INSTALLATION WOULD FAIL THE PMI ("FAILED PMI"), THE CONTRACTOR SHALL WORK WITH THE ENGINEER OF RECORD TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

8A. CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENTAL PMI.

8B. OR, WITH THE EOR'S APPROVAL, THE GC MAY WORK WITH THE EOR TO RE–ANALYZE THE MODIFICATION/REINFORCEMENT/UPGRADE USING THE AS–BUILT CONDITION.

9. NOTE: IF LOADING IS DIFFERENT THAN THAT SHOWN IN THESE CONSTRUCTION DRAWINGS OR STRUCTURAL/MOUNT MODIFICATION DRAWINGS, CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY FOR RESOLUTION.
10. THE ENGINEERING FIRM PERFORMING AN ANALYSIS SHALL PROVIDE A CONTRACTOR'S PHOTO LOG AND CHECKLIST TO BE COMPLETED BY THE INSTALLING CONTRACTOR. THE CONTRACTOR SHALL THEN PROVIDE POST–INSTALLATION INFORMATION TO THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL REVIEW THE DOCUMENTS FOR ANY DEFICIENCIES THAT CAN BE DETERMINED FROM THE DESKTOP REVIEW OF THE DATA. THE ENGINEERING FIRM SHALL THEN PROVIDE DOCUMENTATION TO VZW THAT THE SITE IS COMPLETED, AND THE PMI REPORT IS APPROVED.

ENGINEER

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NB+C ENGINEERING SERVICES, LLC.
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SUITE 100
CHELMSFORD, MA 01824
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APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

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206 EVERETT ROAD
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DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

PMI REQUIREMENTS

SHEET NUMBER

GN-1

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: CT46131

CARRIER SITE NAME: EASTON NORTH 2 CT
CARRIER SITE NUMBER: 468248
FUZE ID: 2567027

206 EVERETT ROAD
EASTON, CT 06612
FAIRFIELD COUNTY

LATITUDE: 41.290344° N
LONGITUDE: 73.282669° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 428.45'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .216
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10117165
VZW LOCATION CODE (PSLC): 468248
ANALYSIS DATE: 11/23/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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www.colliersengineering.com

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SCALE: AS SHOWN | JOB NUMBER: 21777106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/23/21	ISSUED FOR CONSTRUCTION	SBA	PMA
0	10/13/21	ISSUED FOR CONSTRUCTION	SBA	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21
COLLIERS ENGINEERING & DESIGN, INC.
CT, C.O.A. #PEC.0000131

SITE NAME:
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206 EVERETT ROAD
EASTON, CT 06612
FAIRFIELD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERSENGINEERING.COM CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT		504	504
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	-	-	36" LONG, P2 STD	GALVANIZED	11	11
					TOTAL:	990

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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SCALE:	JOB NUMBER:
AS SHOWN	217771106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/23/21	ISSUED FOR CONSTRUCTION	SEA	PMA
0	10/13/21	ISSUED FOR CONSTRUCTION	SEA	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21

COLLIERS ENGINEERING & DESIGN, INC.
CT, CO.A. # PC.0000131

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Stamford, CT 06901
Phone: 203.324.0800
COLLIERSENGINEERING.COM OR CT P.C. DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

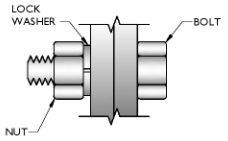
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

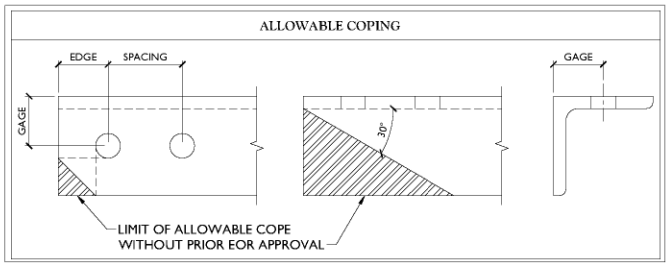
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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SCALE:	JOB NUMBER:
AS SHOWN	217771106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/23/21	ISSUED FOR CONSTRUCTION	SEA	PMA
0	10/13/21	ISSUED FOR CONSTRUCTION	SEA	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35450
LICENSED PROFESSIONAL ENGINEER
11/24/21
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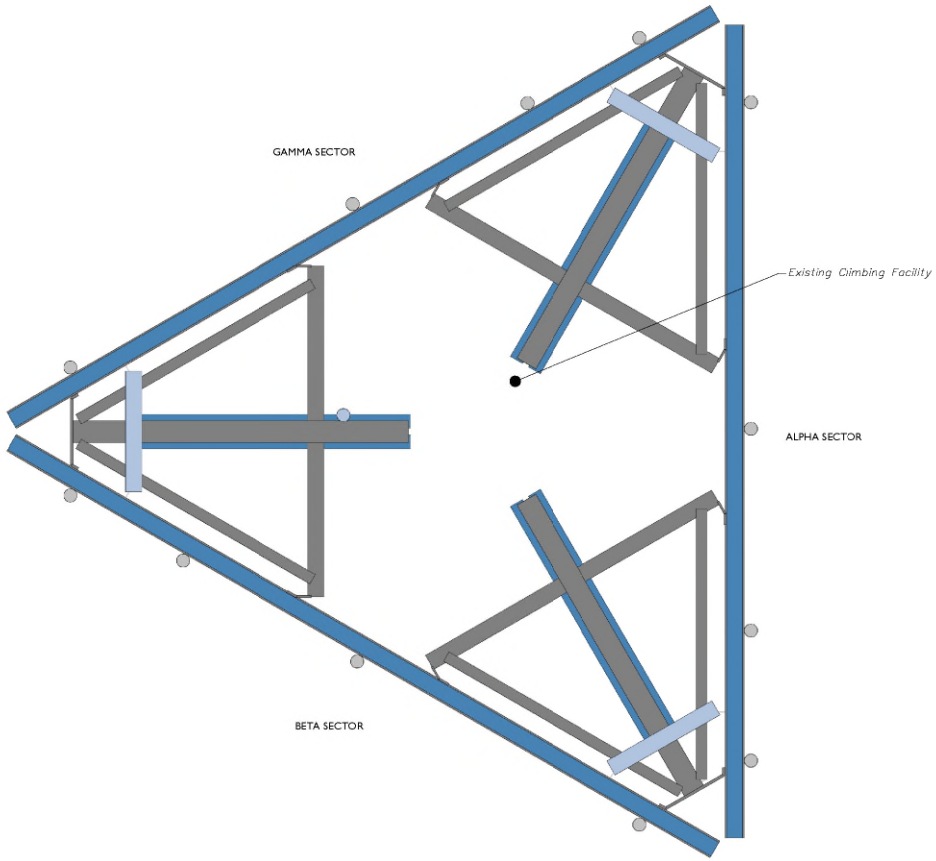
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

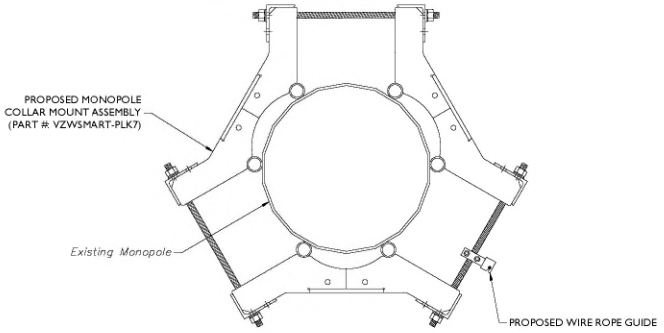


1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

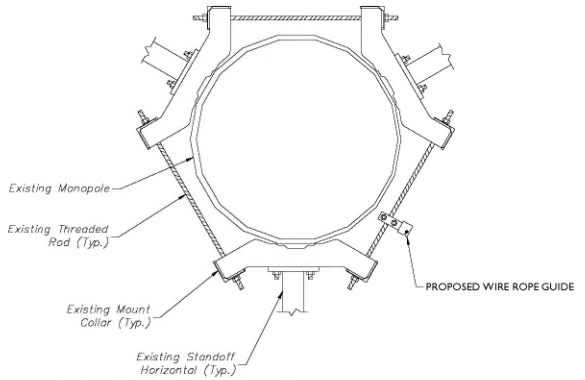
STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS LLC ON 4/20/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (127'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.



3 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

CLIMBING FACILITY PHOTO

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AS SHOWN	217771106A

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STATE OF CONNECTICUT
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COLLIERS ENGINEERING & DESIGN (CT), P.C.
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SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

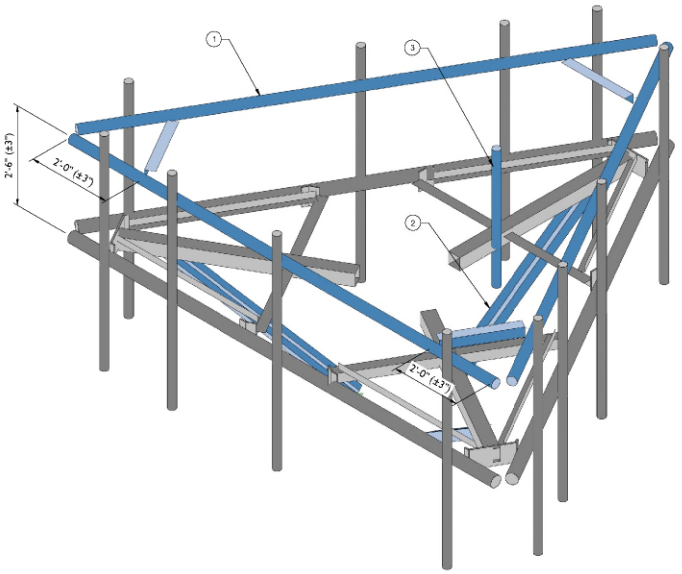
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	127'-6"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
3		1	36" LONG, P2 STD OVP PIPE	GALVANIZED. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6). CONNECT TO EXISTING HORIZONTAL STANDOFF LOCATED BETWEEN THE BETA/GAMMA SECTORS.

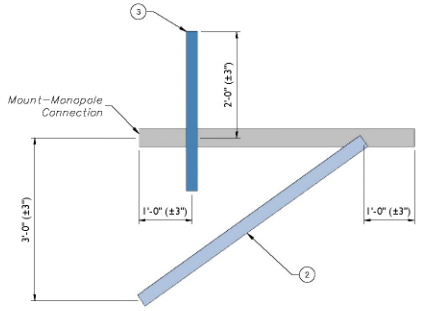
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (SIM. ALL SECTORS)

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PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21

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SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21

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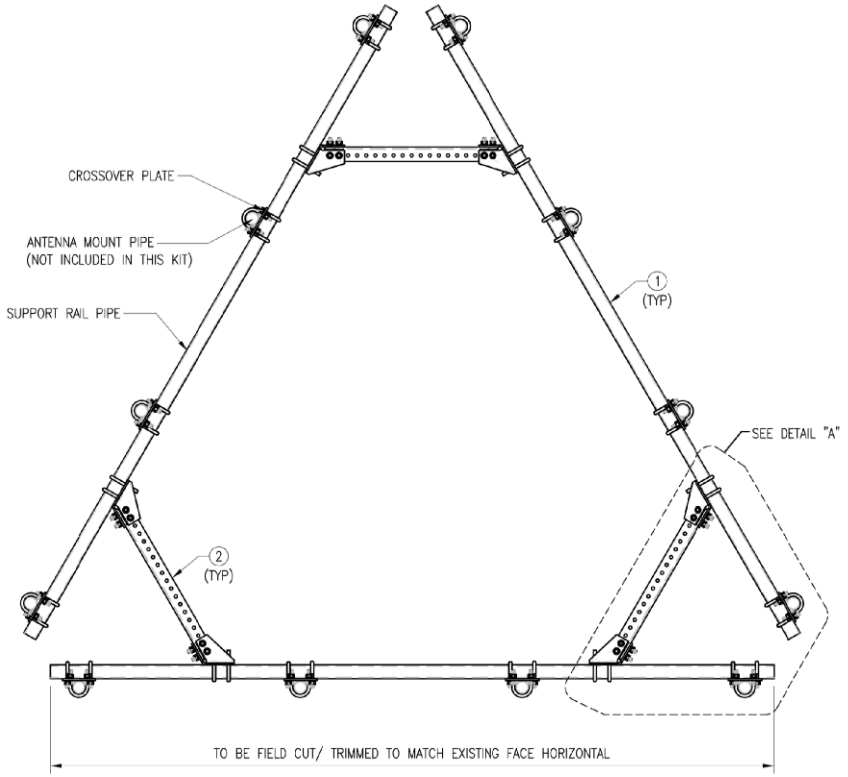
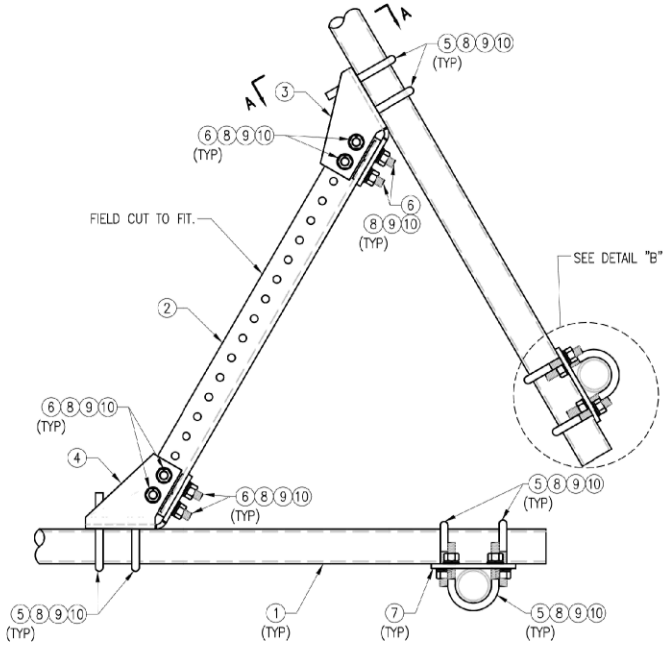
SHEET TITLE:
MOUNT PHOTOS

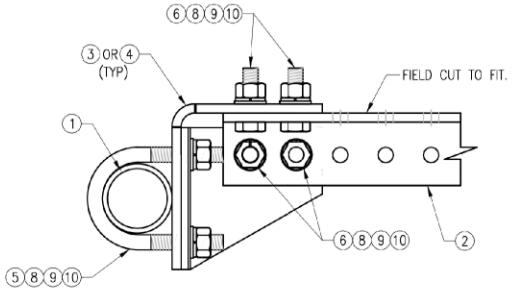
SHEET NUMBER:
SS-2



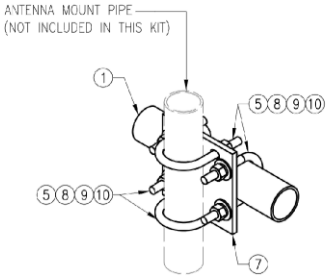
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

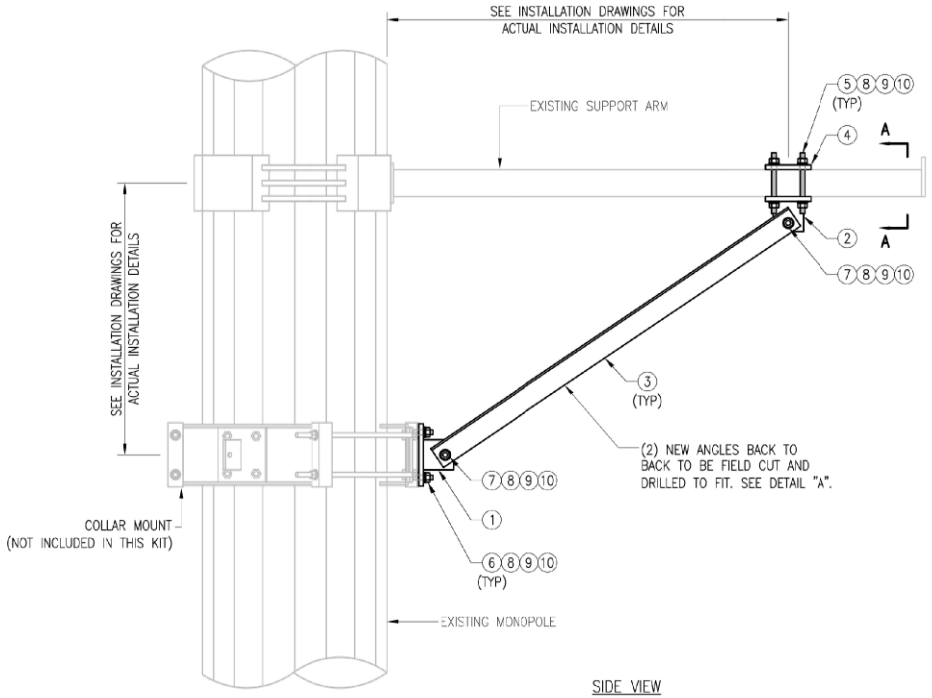
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

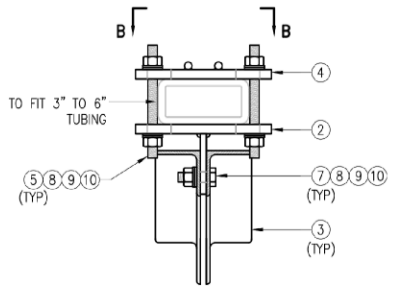
SHEET NUMBER: VZWSMART-PLK1

REV #: 0

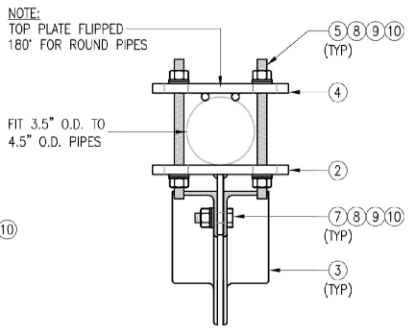
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



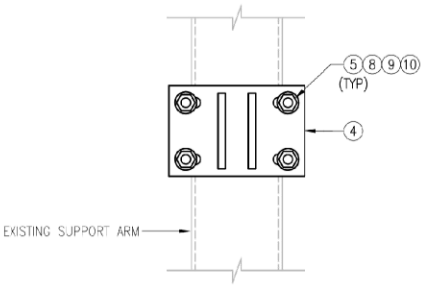
SIDE VIEW
KICKER KIT



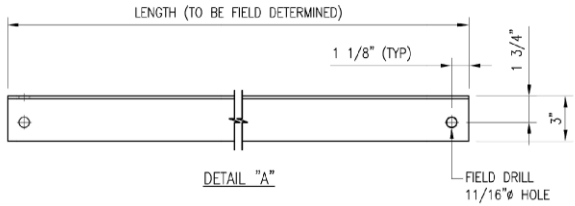
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L331875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW-625	5/8" HDG USS FLAT WASHER	---	.3
9	42	LW-625	5/8" HDG LOCK WASHER	---	1
10	42	NUT-625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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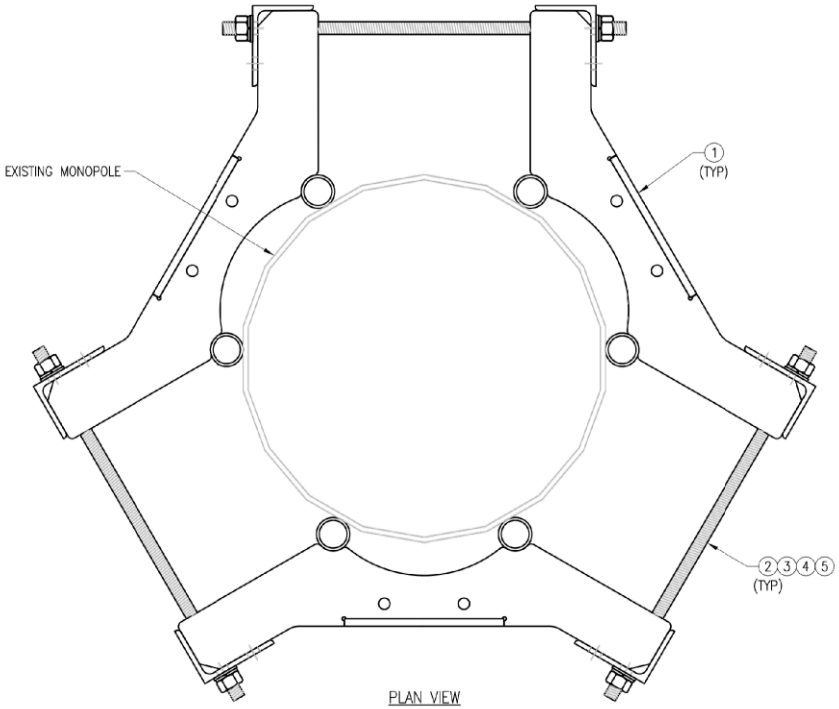
DRAWN BY: MN | CHECKED BY: HMA/KW

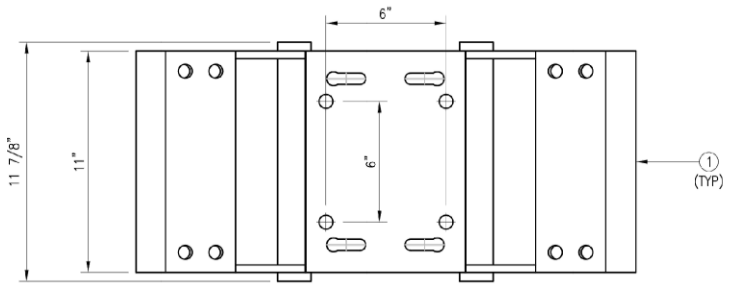
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

VzW SMART Tool© Vendor

verizon

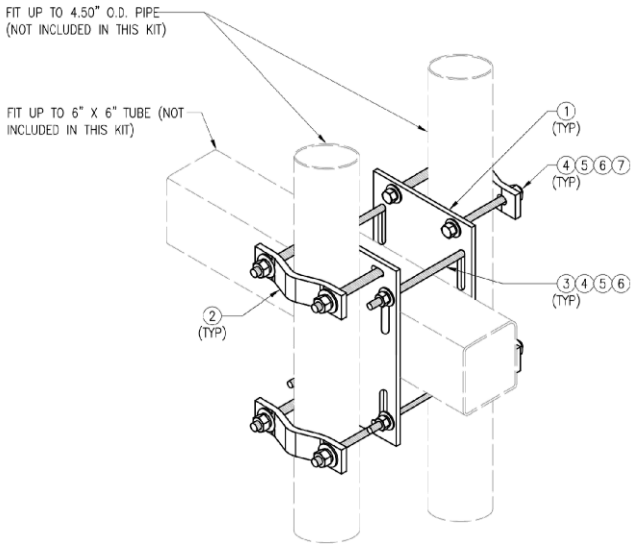
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	P_375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VzW SMART Tool© Vendor

verizon

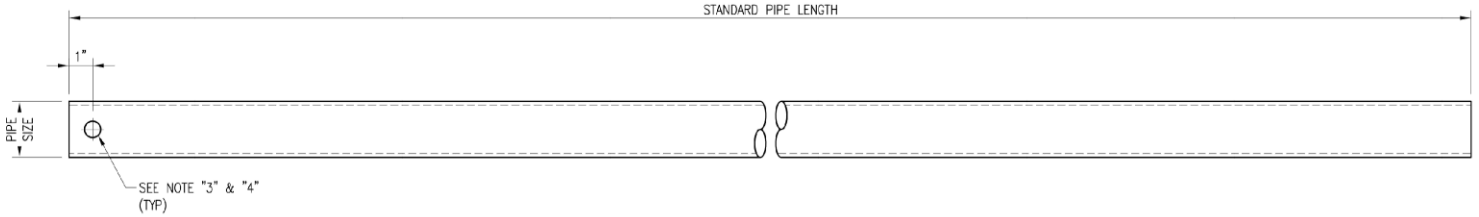
DRAWN BY: SK | CHECKED BY: BT/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	SK	05/08/20

SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

REV	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE | REV #: 0

SAMSUNG

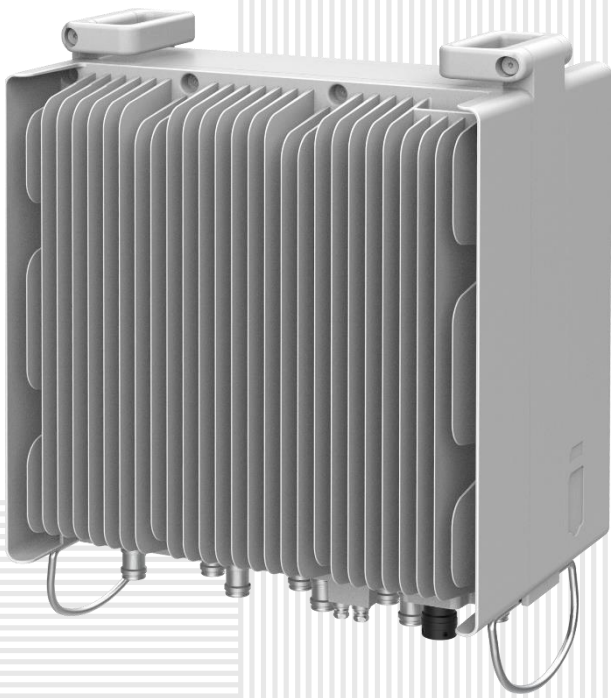
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

57196

Model Code	RF4439d-25A



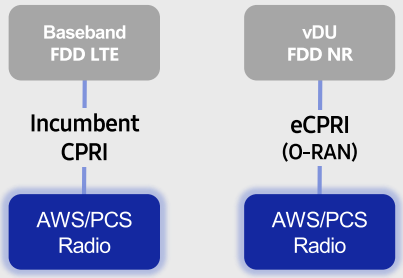
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

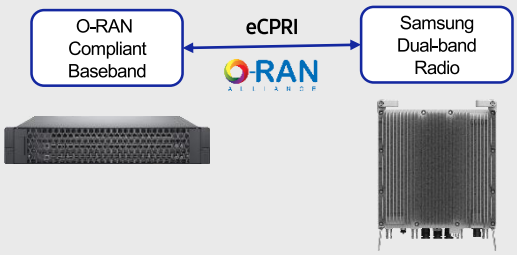
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

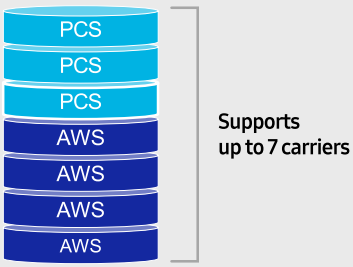
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

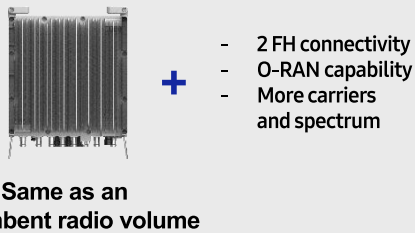
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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



Brand New Features in a Compact Size

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



Technical Specifications

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

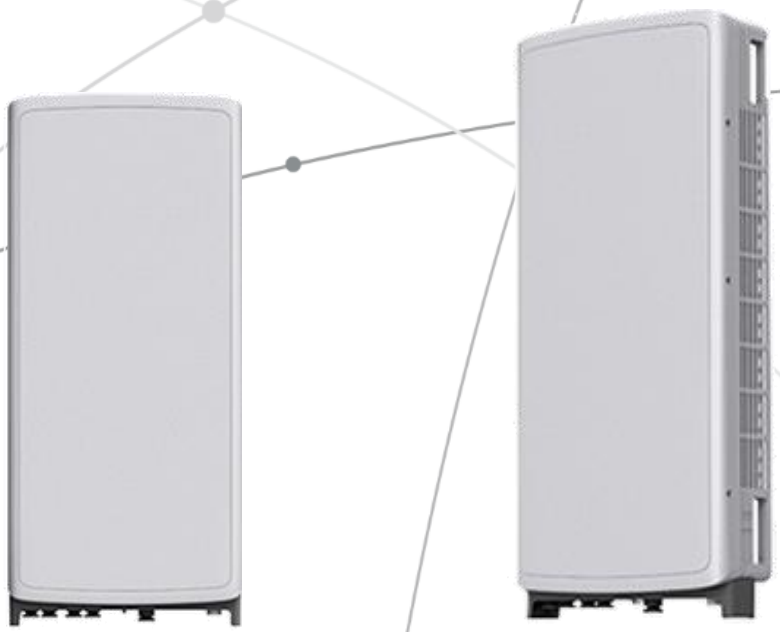
SAMSUNG

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

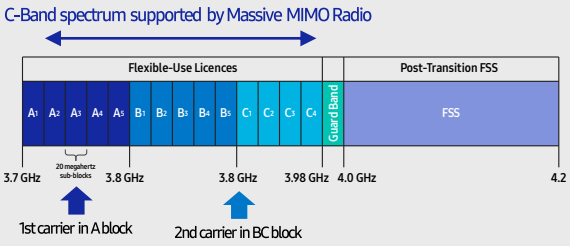


Points of Differentiation

Wide Bandwidth

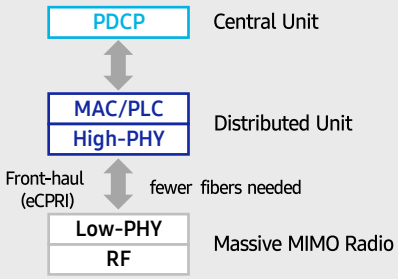
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

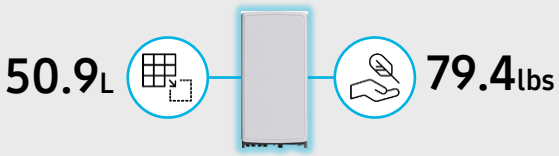
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

Model Code	RF4440d-13A

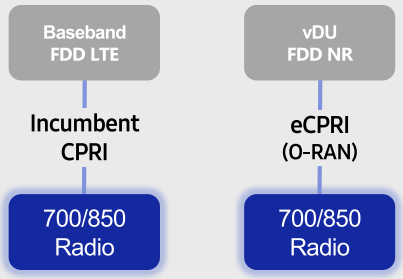
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

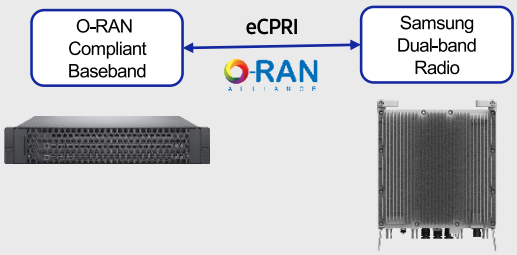
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

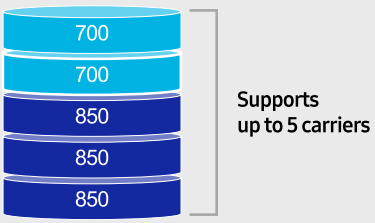
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

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

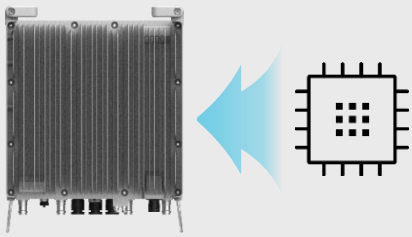
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

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



Technical Specifications

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

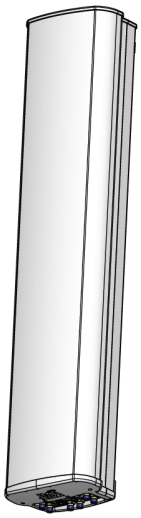
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

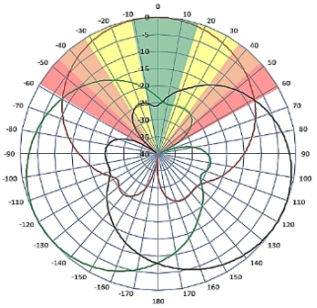
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs



Fast Roll-Off antennas increase data throughput without compromising coverage

The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

Non-FRO antenna



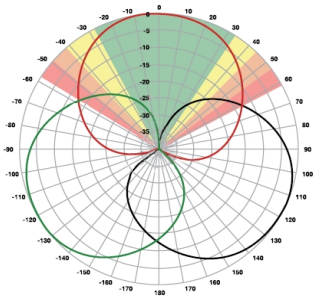
Large traditional antenna pattern overlap creates harmful interference.

JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

The LTE radio automatically selects the best throughput based on measured SINR.

JMA FRO antenna



Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees[1]	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB[1]	≤-15.0	≤-16.5	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB[1]	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

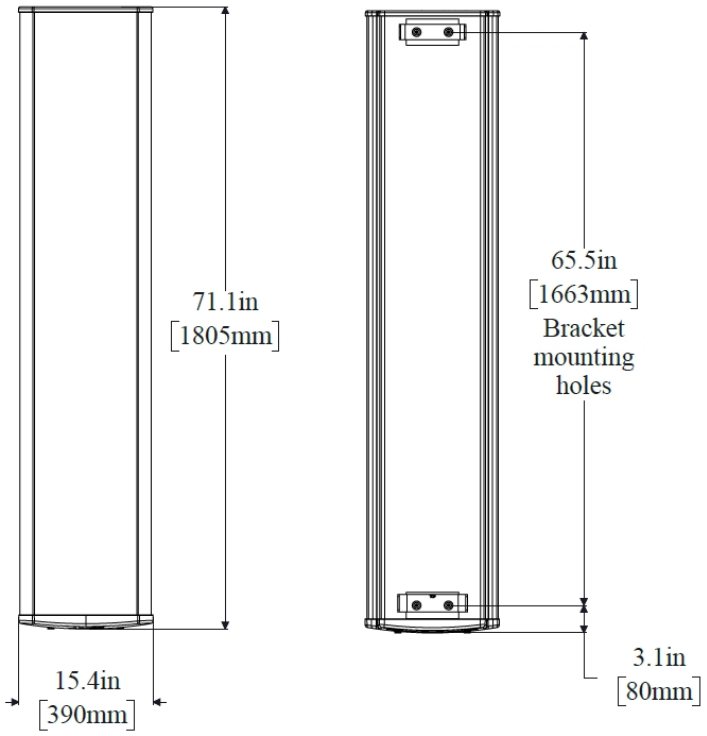
[1] Typical value over frequency and tilt

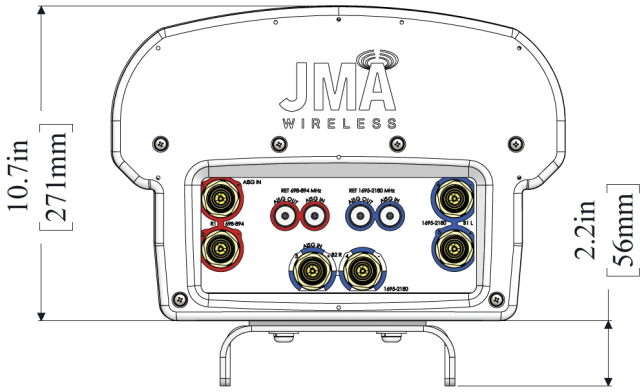
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	71.3/ 15.4/ 10.7 (1811/ 392/ 273)
Shipping dimensions length/width/height, inches (mm)	82/ 20/ 15 (2083/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf·in (10.85 N·m or 8 lbf·ft)
Net antenna weight, lb (kg)	60 (27.0)
Shipping weight, lb (kg)	90 (41.0)
Antenna mounting and downtilt kit included with antenna	91900318
Net weight of the mounting and downtilt kit, lb (kg)	18 (8.18)
Range of mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal, lateral, and rear wind loading @ 150 km/h, lbf (N)	154 (685), 73 (325), 158 (703)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.6

Front view | **Back view** | **Bottom view**





Ordering information	
Antenna model	**Description**
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

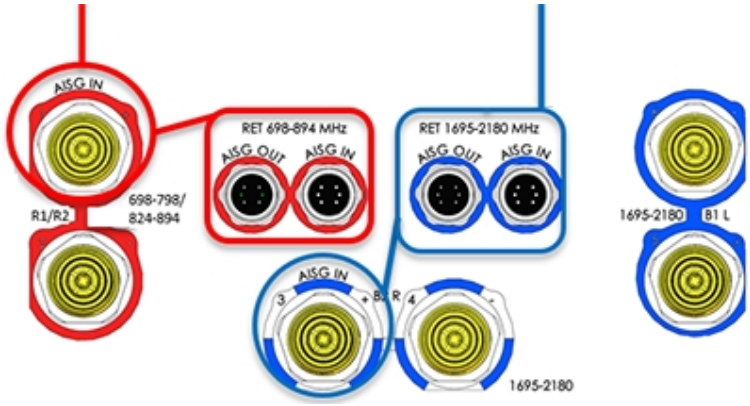
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the antenna
Total no. of internal RETs (low bands)	2
Total no. of internal RETs (high bands)	1
RET input operating voltage, vdc	10-30
RET max power consumption, idle state, W	≤ 2.0
RET max power consumption, normal operating conditions, W	≤ 13.0
RET communication protocol	AISG 2.0 / 3GPP

RET and RF connector topology

Each RET device can be controlled either via the designated external AISG connector or RF port as shown below:

RET device	Band	RF port
R1	698-798	1-2
R2	824-894	1-2

RET device	Band	RF port
B1/B2	1695-2180	3-6

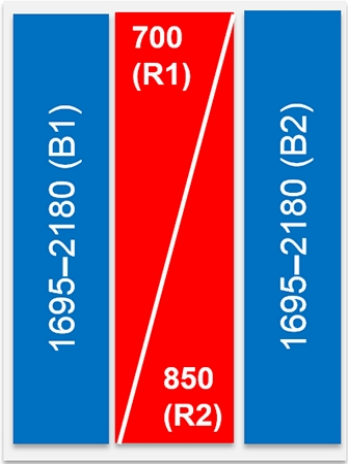


Array topology

3 sets of radiating arrays

R1/R2: 698-894 MHz
B1: 1695-2180 MHz
B2: 1695-2180 MHz

Band	RF port
1695-2180	3-4
698-894	1-2
1695-2180	5-6



ATTACHMENT 3

	General	Power	Density					
Site Name: Easton N 2								
Tower Height: Verizon @ 128ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*DISH	1	2110	108	600	0.072933346	0.4	0.018233336	
*DISH	1	7396	108	2000	0.255646931	1	0.025564693	
*DISH	1	7396	108	2100	0.255646931	1	0.025564693	
*T-Mobile	2	2334	138	2100	0.096344518	1	0.009634452	
*T-Mobile	2	592	138	600	0.024436999	0.4	0.00610925	
*T-Mobile	1	1578	138	600	0.032568905	0.4	0.008142226	
*T-Mobile	2	695	138	700	0.028688706	0.466666667	0.00614758	
*T-Mobile	4	1052	138	1900	0.086850414	1	0.008685041	
*T-Mobile	2	2105	138	1900	0.086891693	1	0.008689169	
*T-Mobile	1	6444	138	2500	0.133000016	1	0.013300002	
*T-Mobile	1	6444	138	2500	0.133000016	1	0.013300002	
*Sprint	1	438	158	850	0.006817591	0.566666667	0.001203104	
*Sprint	2	438	158	850	0.013635182	0.566666667	0.002406209	
*Sprint	5	623	158	1900	0.048485837	1	0.004848584	
*Sprint	2	1556	158	1900	0.048439141	1	0.004843914	
*Sprint	8	640	158	2500	0.079694217	1	0.007969422	
*AT&T	6	296	118	880	0.050915609	0.586666667	0.008678797	
*AT&T	3	427	118	1900	0.036724603	1	0.37%	
*AT&T	1	500	118	880	0.014334349	0.586666667	0.24%	
*AT&T	1	500	118	1900	0.014334349	1	0.14%	
*AT&T	1	500	118	740	0.014334349	0.493333333	0.29%	
*Nextel	9	100	148	851	0.016051286	0.567333333	0.28%	
VZW 700	**4**	**391**	**128**	**751**	**0.0034**	**0.5007**	**0.69%**	
VZW CDMA	**2**	**499**	**128**	**876.03**	**0.0022**	**0.5840**	**0.38%**	
VZW Cellular	**4**	**591**	**128**	**874**	**0.0052**	**0.5827**	**0.89%**	
VZW PCS	**4**	**895**	**128**	**1980**	**0.0079**	**1.0000**	**0.79%**	
VZW AWS	**4**	**959**	**128**	**2120**	**0.0084**	**1.0000**	**0.84%**	
VZW CBRS	**4**	**0**	**128**	**3625**	**0.0000**	**1.0000**	**0.00%**	
VZW CBAND	**2**	**21627**	**128**	**3730.08**	**0.0949**	**1.0000**	**9.49%**	
								31.74%
* Source: Siting Council								

ATTACHMENT 4

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

Structural Analysis Report

Existing 158 ft PennSummit Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46131-A

Customer Site Name: Easton-Everetts Rd

Carrier Name: Verizon (App#: 188277-1)

Carrier Site ID / Name: 468248 / EASTON_NORTH_2_CT

Site Location: 206 Everett Road

Easton, Connecticut

Fairfield County

Latitude: 41.290333

Longitude: -73.282666

Analysis Result:

Max Structural Usage: 94.6% [Pass]

Max Foundation Usage: 85.0% [Pass]

Additional Usage Caused by Mount Modification: +2.7%

Report Prepared By: Bishal Pandit

Tower Engineering Solutions
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Report Prepared By: Bishal Pandit

Introduction

The purpose of this report is to summarize the analysis results on the 158 ft PennSummit Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford Job # 29202-0378 (For PennSummit Tubular Design # 5951), dated 12/19/2002
Foundation Drawing	Paul J. Ford Job # 29202-0378 (For PennSummit Tubular Design # 5951), dated 12/19/2002
Geotechnical Report	Tectonic Engineering Consultants W.O. # 1170.C912, dated 03/30/2000
Modification Drawings	Vertical Solutions Project # 131141.01 As-Builts, Dated 11/06/2013
Mount Analysis	Maser Consulting Post-Mod MA, Project# 10117165, Dated: 11/24/2021
Mount Mod Drawing	Colliers Engineering, Project# 21777106A, Dated: 11/24/2021

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 120 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 93.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.215, S_1 = 0.066

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	158.5	3	RFS - APXVSPP18-C-A20 - Panel	Low Profile Platform w/ Collar Mount, Handrail Kit (SitePro HRK14-U) and Platform Reinforcement Kit (SitePro PRK-1245L)	(4) 1 1/4" Fiber	Sprint Nextel
2		3	Commscope - DT465B-2XR - Panel			
3		3	RFS - ACU-A20-N - RET			
4		3	ALU - 1900 MHz - RRU			
5		6	ALU - 800 MHz - RRU			
6		3	ALU - TD-RRH8x20-25 - RRU			
7		3	Alu - 800 Filters			
8	149.0*	12*	Decibel - DB844H90E-XY - Panel*	Low Profile Platform*	(12) 1 1/4"*	
9	138.0	3	Ericsson - AIR6449 B41 - Panel	Low Profile Platform w/ Handrail and V-Brace tie-back	(9) 1 1/4" (3) 1-1/4" Fiber	T-Mobile
10		3	RFS - APXVAALL24-43-U-NA20 - Panel			
11		6	RFS - APX16DWV-16DWVS-E-A20 - Panel			
12		3	Ericsson - KRY 112 144/1 - TMAs			
13		3	Ericsson - 4449 B71 + B85 - RRU			
14		3	Ericsson - 4424 B25 - RRU			
15		3	Ericsson - 4415 B66A - RRU			
16		3	Kathrein - 782 11056 - Bias T			
-	128.0	6	Andrew - DB846F65ZAXY – Panel	Low Profile Platform	(12) 1 5/8" Coax	Verizon
-		2	Swedcom SLCP 2x6014 - Panel			
-		1	Antel BXA-70063/6BF - Panel			
-		3	Antel BXA-171063/12BF - Panel			
-		6	RFS FD9R6004/1C-3L - Diplexer			
23	118.0	3	Powerwave - P65-16-XLH-RR – Panel	Low Profile Platform	(12) 1 1/4" (1) 3/8" RET (2) 5/8" DC inside (1) 3" Innerduct	AT&T
24		6	Powerwave - 7770 - Panel			
25		6	Powerwave - LGP21401 - TMA			
26		3	Powerwave - TT19-08BP111-001 - TMA			
27		6	Ericsson - RRUS-11 - RRU			
28		1	Raycap - DC6-48-60-18 - SP			
29	108.0	3	Commscope FFVV-65B-R2 - Panel	Platform w/HKR Commscope MC-PK8-DSH	(1) 1.6" Hybrid	Dish Wireless
30		3	Fujitsu TA08025-B605			
31		3	Fujitsu TA08025-B604			
32		1	Raycap RDIDC-9181-PF-48			
33	75.0	1	GPS	Pipe Mount	(1) 1/2"	Sprint Nextel

*Equipment has been decommissioned but remains installed.

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
17	128.0	3	Andrew - DB846F65ZAXY - Panel	Low Profile Platform Modified w/ Handrail Kit (VZWSMART-PLK1) + Kicker Kit (VZWSMART-PLK5) & Collar Mount (VZWSMART-PLK7)	(12) 1 5/8" Coax (1) 1 5/8" Hybrid	Verizon
18		3	Samsung MT6407-77A - Panel			
19		6	JMA Wireless MX06FRO660-03 - Panel			
20		3	Samsung RF4440d-13A - RRU			
21		3	Samsung RF4439d-25A - RRU			
22		1	Commscope FE-16148-OVP-B12 - Junction Box			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	**94.6%**	**76.2%**	**69.8%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	4835.7	40.4	63.3

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.5955 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

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

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

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

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

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

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

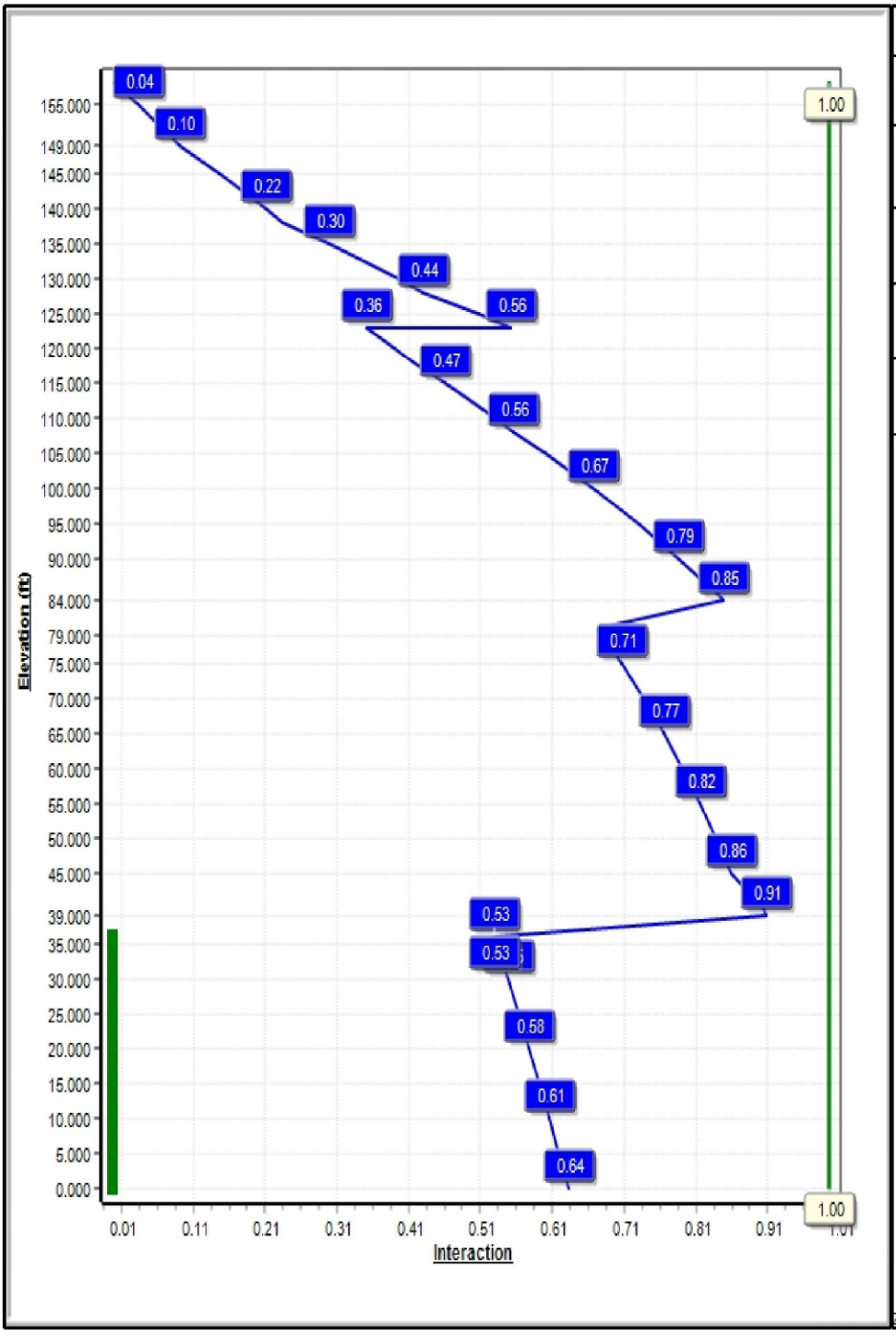
Usage Diagram - Max Ratio 91.22% at 39.0ft

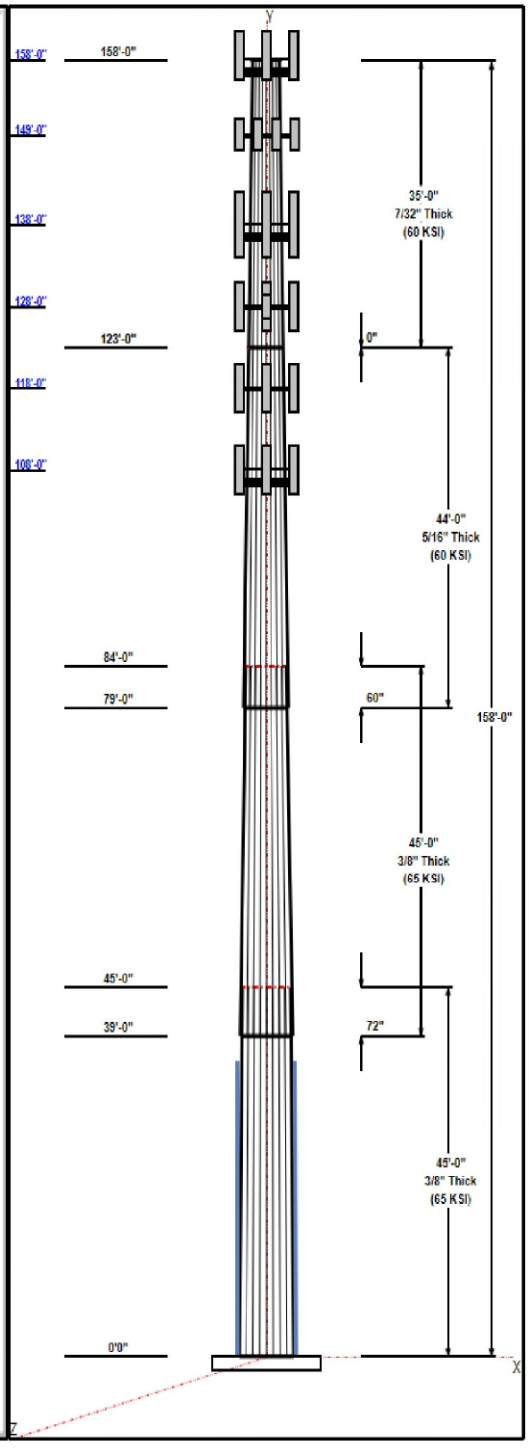
Structure:	CT46131-A-SBA	**Code:**	EIA/TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Gh:**	1.1		
Base Elev:	0.000 (ft)			Page: 1	

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	24
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT46131-A-SBA

Type: Tapered
Site Name: Easton-Everetts Rd
Height: 158.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.20320

3/7/2022

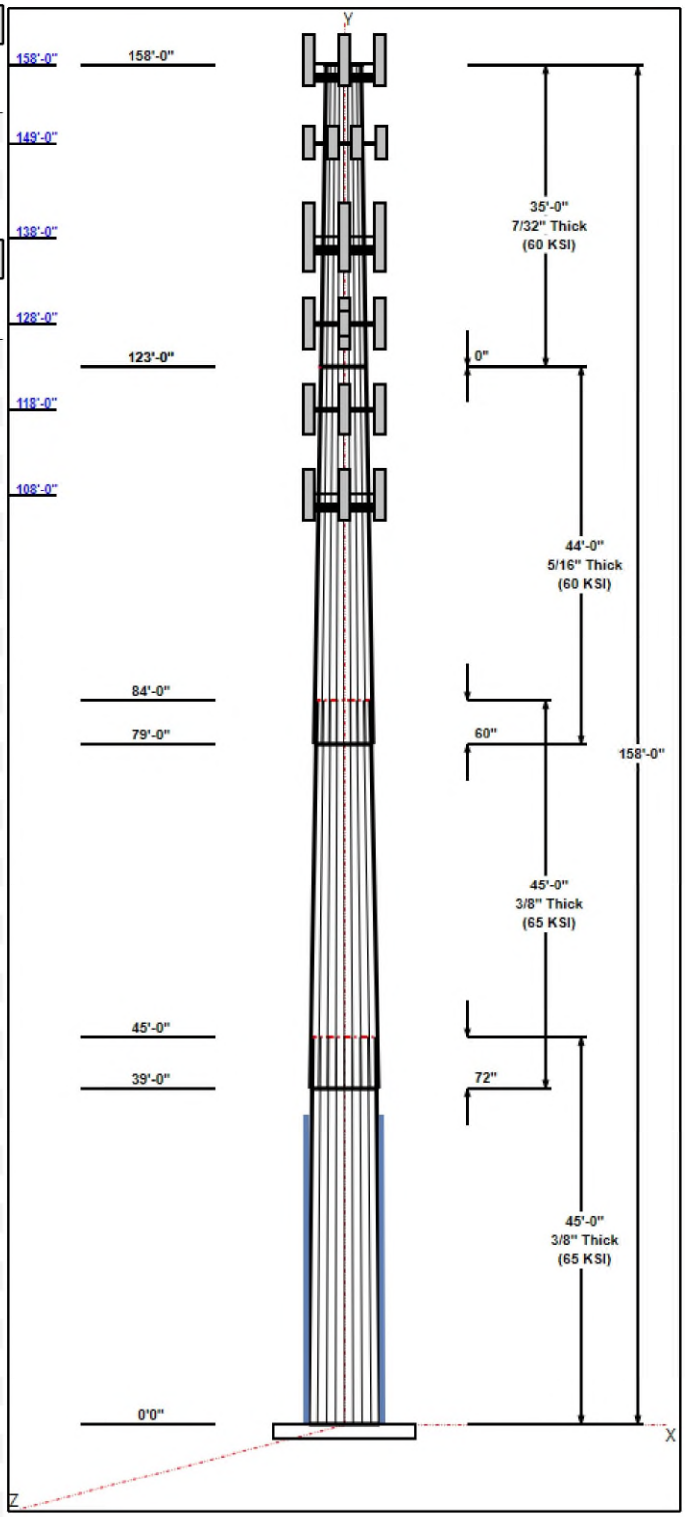
Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	45.59	54.73	0.375		0.20320	65
2	45.00	38.41	47.56	0.375	Slip	0.20320	65
3	44.00	31.11	40.05	0.313	Slip	0.20320	60
4	35.00	24.00	31.11	0.219	Butt	0.20320	60

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
158.00	158.00	1	Site Pro PRK-1245 (kicker	Sprint Nextel
158.00	158.00	1	Site Pro HRK14	Sprint Nextel
158.00	158.50	3	RFS - APXVSPP18-C-A20	Sprint Nextel
158.00	158.50	3	Commscope -	Sprint Nextel
158.00	158.50	3	ALU - TD-RRH8x20-25 -	Sprint Nextel
158.00	158.50	1	Low Profile Platform	Sprint Nextel
158.00	158.50	3	RFS - ACU-A20-N - RET	Sprint Nextel
158.00	158.50	3	ALU - 1900 MHz - RRU	Sprint Nextel
158.00	158.50	3	Alu - 800 Filters	Sprint Nextel
158.00	158.00	1	Collar Mount	Sprint Nextel
158.00	158.50	6	ALU - 800 MHz - RRU	Sprint Nextel
149.00	149.00	1	Low Profile Platform	Sprint Nextel
149.00	149.00	12	DB844H90E-XY	Sprint Nextel
138.00	138.00	3	AIR6449 B41	T-Mobile
138.00	138.00	3	APXVAA24_43-U-A20	T-Mobile
138.00	138.00	6	APX16DWV-16DWVS-E-A	T-Mobile
138.00	138.00	3	KRY 112 144/1	T-Mobile
138.00	138.00	3	4449 B71 + B85	T-Mobile
138.00	138.00	3	RRUS 4424 B25	T-Mobile
138.00	138.00	3	Radio 4415 Protruding w/	T-Mobile
138.00	138.00	3	782 10663	T-Mobile
138.00	138.00	1	Platform w/ HR & V-Brace	T-Mobile
128.00	128.00	1	Low Profile Platform	Verizon
128.00	128.00	3	Andrew - DB846F65ZAXY	Verizon
128.00	128.00	3	MT6407-77A	Verizon
128.00	128.00	6	MX06FRO660-03	Verizon
128.00	128.00	3	RF4440d-13A	Verizon
128.00	128.00	3	RF4439d-25A	Verizon
128.00	128.00	1	FE-16148-OVP-B12	Verizon
128.00	128.00	1	Kicker Kit	Verizon
128.00	128.00	1	Heavy Collar Mount	Verizon
128.00	128.00	1	Support Rail w/ End	Verizon
118.00	118.00	1	Low Profile Platform	AT&T
118.00	118.00	3	P65-16-XLH-RR	AT&T
118.00	118.00	6	7770	AT&T
118.00	118.00	6	LGP21401	AT&T
118.00	118.00	3	TT19-08BP111-001	AT&T
118.00	118.00	6	RRUS-11	AT&T
118.00	118.00	1	DC6-48-60-18	AT&T
108.00	108.00	3	Commscope	Dish Wireless
108.00	108.00	3	Fujitsu TA08025-B605	Dish Wireless
108.00	108.00	3	Fujitsu TA08025-B604	Dish Wireless
108.00	108.00	1	Raycap	Dish Wireless
108.00	108.00	1	Platform Commscope	Dish Wireless
75.00	75.00	1	GPS	Sprint Nextel



Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	158.00	Inside	1 1/4" Fiber	Sprint
0.00	149.00	Inside	1 1/4" Coax	Sprint
0.00	138.00	Inside	1 1/4" Coax	T-Mobile
0.00	138.00	Inside	1-1/4" Fiber	T-Mobile
0.00	128.00	Outside	1 5/8" Coax	Verizon
0.00	128.00	Outside	1 5/8" Hybrid	Verizon
0.00	118.00	Inside	1 1/4" Coax	AT&T
0.00	118.00	Inside	3" Innerduct	AT&T
0.00	118.00	Inside	3/8" RET	AT&T
0.00	118.00	Inside	5/8" DC	AT&T
0.00	108.00	Inside	1.6" Hybrid	Dish Wireless
0.00	75.00	Inside	1/2" Coax	Sprint Nextel
0.00	39.00	Outside	1.25" Reinforcing plate	

Anchor Bolts

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

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	60.0	50.0	Clipped

Reactions

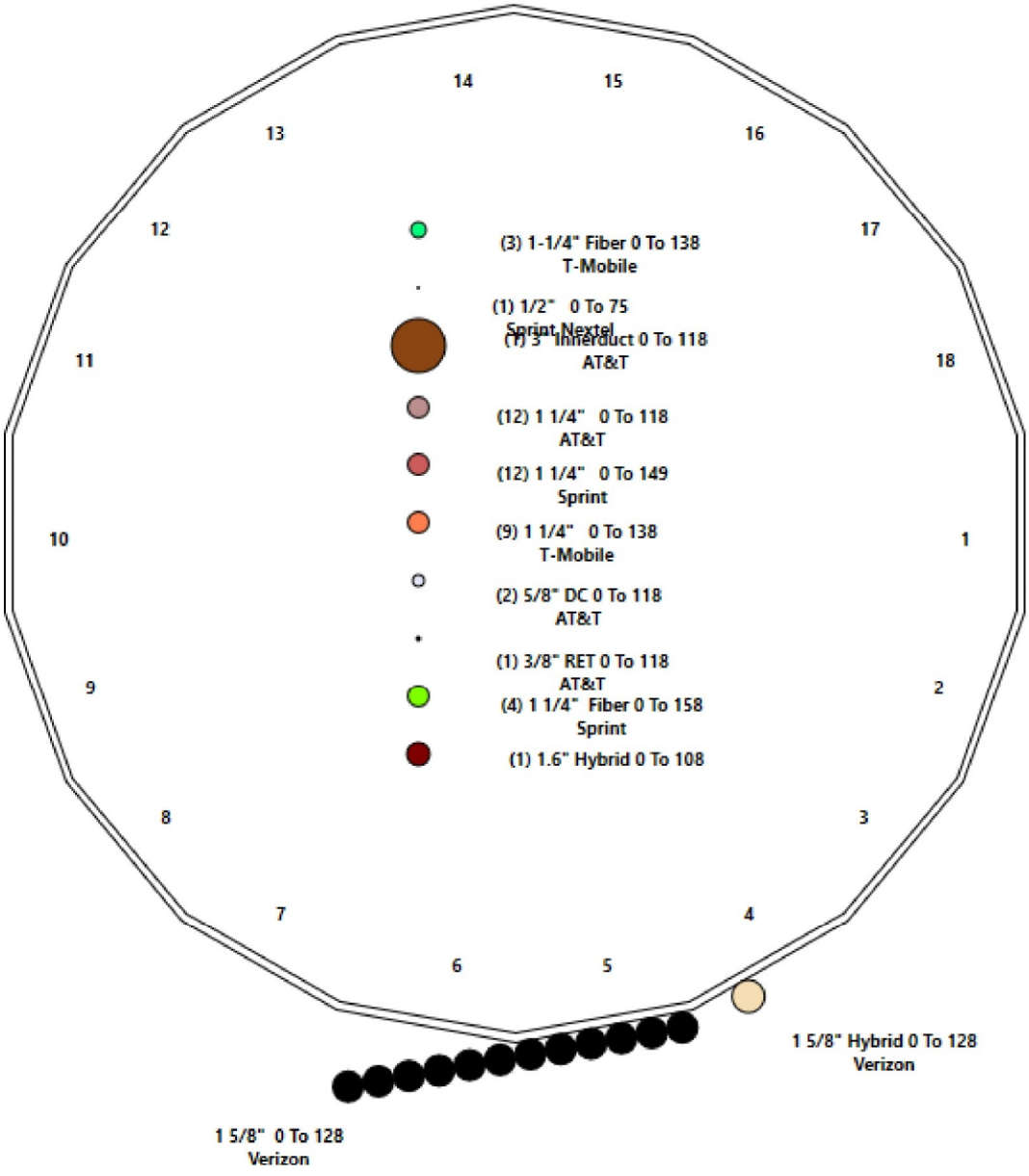
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	4835.7	40.4	63.3
0.9D + 1.6W 93 mph Wind	4776.9	40.4	47.5
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1499.6	12.4	99.9
1.2D + 1.0E	324.2	2.5	63.4
0.9D + 1.0E	319.8	2.5	47.5
1.0D + 1.0W 60 mph Wind	1250.0	10.5	52.8

Structure: CT46131-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Easton-Everetts Rd
Height: 158.00 (ft)

3/7/2022

Tower Engineering Solutions



Shaft Properties

Structure:	CT46131-A-SBA		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (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

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.3750	65		0.00	9,073
2	18	45.000	0.3750	65	Slip	72.00	7,765
3	18	44.000	0.3125	60	Slip	60.00	5,238
4	18	35.000	0.2188	60	Flange	0.00	2,261
					Total Shaft Weight:		**24,337**

	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	54.73	0.00	64.69	24148.72	24.32	145.95	45.59	45.00	53.81	13896.7	20.02	121.5	0.203196
2	47.56	39.00	56.15	15792.80	20.95	126.81	38.41	84.00	45.27	8275.19	16.65	102.4	0.203196
3	40.05	79.00	39.42	7864.62	21.19	128.17	31.11	123.00	30.55	3661.17	16.14	99.56	0.203196
4	31.11	123.0	21.45	2586.87	23.66	142.19	24.00	158.00	16.51	1180.03	17.93	109.6	0.203196

Additional Steel

							Intermediate Connectors		Termination Connectors			
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Description	Spacing (in)	Description	Spacing (in)	Lower Qty	Upper Qty
0.00	36.00	4	PLT 7.625x1.5(31mm Hole	50	65	0.00	AJM20&sleeve	15.00	AJM20&sleeve	3.00	15	12

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	158.00	Site Pro PRK-1245 (kicker kit)	1	464.91	9.50	1.00	791.15	19.500	1.00	0.00	0.00
2	158.00	Site Pro HRK14	1	302.36	8.13	1.00	663.05	16.117	1.00	0.00	0.00
3	158.00	RFS - APXVSPP18-C-A20	3	57.00	8.02	0.83	230.75	10.828	0.85	0.00	0.50
4	158.00	Commscope - DT465B-2XR	3	58.00	9.10	0.83	286.69	10.447	0.85	0.00	0.50
5	158.00	ALU - TD-RRH8x20-25 - RRU	3	70.00	4.05	0.67	168.24	5.471	0.67	0.00	0.50
6	158.00	Low Profile Platform	1	1200.00	25.00	1.00	2252.58	46.052	1.00	0.00	0.50
7	158.00	RFS - ACU-A20-N - RET	3	1.00	0.14	0.67	5.32	0.438	0.67	0.00	0.50
8	158.00	ALU - 1900 MHz - RRU	3	44.00	3.80	0.67	153.73	5.197	0.67	0.00	0.50
9	158.00	Alu - 800 Filters	3	8.80	0.78	0.50	26.54	1.430	0.50	0.00	0.50
10	158.00	Collar Mount	1	350.00	5.00	1.00	644.72	8.509	1.00	0.00	0.00
11	158.00	ALU - 800 MHz - RRU	6	53.00	2.49	0.67	127.35	3.640	0.67	0.00	0.50
12	149.00	Low Profile Platform	1	1200.00	25.00	1.00	2246.43	45.929	1.00	0.00	0.00
13	149.00	DB844H90E-XY	12	14.00	3.05	1.10	116.72	3.908	1.08	0.00	0.00
14	138.00	AIR6449 B41	3	103.00	5.65	0.71	238.98	6.593	0.73	0.00	0.00
15	138.00	APXVAA24_43-U-A20	3	99.00	20.24	0.73	236.07	23.042	0.75	0.00	0.00
16	138.00	APX16DWV-16DWVS-E-A20	6	40.70	6.61	0.62	156.79	8.770	0.64	0.00	0.00
17	138.00	KRY 112 144/1	3	11.00	0.41	0.50	21.69	0.881	0.50	0.00	0.00
18	138.00	4449 B71 + B85	3	73.20	1.97	0.67	130.46	2.535	0.67	0.00	0.00
19	138.00	RRUS 4424 B25	3	46.00	1.64	0.67	86.76	2.151	0.67	0.00	0.00
20	138.00	Radio 4415 Protruding w/ Fan	3	49.60	1.86	0.67	101.11	2.504	0.67	0.00	0.00
21	138.00	782 10663	3	5.30	0.28	0.50	14.67	0.678	0.50	0.00	0.00
22	138.00	Platform w/ HR & V-Brace	1	2246.00	51.70	1.00	5355.76	89.639	1.00	0.00	0.00
23	128.00	Low Profile Platform	1	1500.00	22.00	1.00	2788.32	39.384	1.00	0.00	0.00
24	128.00	Andrew - DB846F65ZAXY	3	21.00	7.05	0.93	207.89	8.280	0.93	0.00	0.00
25	128.00	MT6407-77A	3	87.10	4.69	0.70	204.37	5.622	0.70	0.00	0.00
26	128.00	MX06FRO660-03	6	60.00	9.87	0.87	324.10	11.223	0.87	0.00	0.00
27	128.00	RF4440d-13A	3	70.33	1.87	0.67	141.86	2.433	0.67	0.00	0.00
28	128.00	RF4439d-25A	3	74.70	1.87	0.67	149.91	2.433	0.67	0.00	0.00
29	128.00	FE-16148-OVP-B12	1	15.21	2.10	1.00	71.09	3.136	1.00	0.00	0.00
30	128.00	Kicker Kit	1	146.00	5.33	1.00	346.63	10.823	1.00	0.00	0.00
31	128.00	Heavy Collar Mount	1	150.60	2.50	1.00	357.56	5.077	1.00	0.00	0.00
32	128.00	Support Rail w/ End Connection	1	514.00	12.25	1.00	1114.39	24.034	1.00	0.00	0.00
33	118.00	Low Profile Platform	1	1500.00	22.00	1.00	2777.88	39.243	1.00	0.00	0.00
34	118.00	P65-16-XLH-RR	3	53.00	8.16	0.79	214.14	10.896	0.81	0.00	0.00
35	118.00	7770	6	35.00	5.50	0.77	166.67	6.527	0.80	0.00	0.00
36	118.00	LGP21401	6	14.10	1.29	0.67	38.51	2.106	0.67	0.00	0.00
37	118.00	TT19-08BP111-001	3	16.00	0.64	0.67	35.76	1.219	0.67	0.00	0.00
38	118.00	RRUS-11	6	51.00	2.52	0.50	121.56	3.138	0.50	0.00	0.00
39	118.00	DC6-48-60-18	1	31.80	0.92	1.00	92.16	1.348	1.00	0.00	0.00
40	108.00	Commscope FFVV-65B-R2	3	70.80	12.27	0.74	346.76	13.679	0.74	0.00	0.00
41	108.00	Fujitsu TA08025-B605	3	75.00	1.96	0.67	125.61	2.503	0.67	0.00	0.00
42	108.00	Fujitsu TA08025-B604	3	63.90	1.96	0.67	112.89	2.503	0.67	0.00	0.00
43	108.00	Raycap RDIDC-9181-PF-48	1	21.90	2.01	0.79	73.43	2.560	0.79	0.00	0.00
44	108.00	Platform Commscope MC-PK8-DSH	1	1727.00	37.59	1.00	3360.29	83.297	1.00	0.00	0.00
45	75.00	GPS	1	3.70	0.01	1.00	3.70	0.010	1.00	0.00	0.00
		Totals:	**130**	**16,537.47**			**39,670.22**				

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	158.00	(4) 1 1/4" Fiber	0.00	Inside
0.00	149.00	(12) 1 1/4" Coax	0.00	Inside
0.00	138.00	(9) 1 1/4" Coax	0.00	Inside
0.00	138.00	(3) 1-1/4" Fiber	0.00	Inside
0.00	128.00	(12) 1 5/8" Coax	1.98	Outside
0.00	128.00	(1) 1 5/8" Hybrid	0.00	Outside
0.00	118.00	(12) 1 1/4" Coax	0.00	Inside
0.00	118.00	(1) 3" Innerduct	0.00	Inside
0.00	118.00	(1) 3/8" RET	0.00	Inside
0.00	118.00	(2) 5/8" DC	0.00	Inside
0.00	108.00	(1) 1.6" Hybrid	0.00	Inside
0.00	75.00	(1) 1/2" Coax	0.00	Inside
0.00	39.00	(4) 1.25" Reinforcing plate	3.00	Outside

Shaft Section Properties

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Increment Length: **5 (ft)**

											Additional Reinforcing			
Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00	RB1	0.3750	54.730	64.694	24148.7	24.32	145.95	65	73	0.0	45.75	21320.2	15073.2	
5.00		0.3750	53.714	63.484	22819.7	23.85	143.24	65	73	1090.4	45.75	20560.3	14538.2	778.4
10.00		0.3750	52.698	62.275	21540.4	23.37	140.53	65	74	1069.8	45.75	19814.2	14012.8	778.4
15.00		0.3750	51.682	61.066	20309.9	22.89	137.82	65	74	1049.3	45.75	19082.0	13497.3	778.4
20.00		0.3750	50.666	59.857	19127.1	22.41	135.11	65	75	1028.7	45.75	18363.6	12991.5	778.4
25.00		0.3750	49.650	58.648	17991.1	21.94	132.40	65	76	1008.1	45.75	17659.1	12495.4	778.4
30.00		0.3750	48.634	57.438	16901.0	21.46	129.69	65	76	987.5	45.75	16968.4	12009.2	778.4
35.00		0.3750	47.618	56.229	15855.9	20.98	126.98	65	77	967.0	45.75	16291.6	11532.6	778.4
36.00	RT1	0.3750	47.415	55.987	15652.2	20.88	126.44	65	77	190.9	45.75	16157.9	11438.5	155.7
39.00	Bot - Section 2	0.3750	46.805	55.262	15051.6	20.60	124.81	65	77	567.8				
40.00		0.3750	46.602	55.020	14854.8	20.50	124.27	65	77	378.3				
45.00	Top - Section 1	0.3750	46.336	54.703	14599.9	20.38	123.56	65	77	1866.8				
50.00		0.3750	45.320	53.494	13652.9	19.90	120.85	65	78	920.4				
55.00		0.3750	44.304	52.285	12747.8	19.42	118.14	65	79	899.9				
60.00		0.3750	43.288	51.076	11883.6	18.94	115.44	65	79	879.3				
65.00		0.3750	42.272	49.866	11059.4	18.47	112.73	65	80	858.7				
70.00		0.3750	41.256	48.657	10274.2	17.99	110.02	65	80	838.1				
75.00		0.3750	40.240	47.448	9527.1	17.51	107.31	65	81	817.6				
79.00	Bot - Section 3	0.3750	39.428	46.481	8956.2	17.13	105.14	65	81	639.2				
80.00		0.3750	39.224	46.239	8817.1	17.03	104.60	65	81	291.5				
84.00	Top - Section 2	0.3125	39.037	38.408	7276.7	20.62	124.92	60	72	1151.0				
85.00		0.3125	38.833	38.206	7162.8	20.50	124.27	60	72	130.4				
90.00		0.3125	37.817	37.199	6610.8	19.93	121.02	60	73	641.5				
95.00		0.3125	36.801	36.191	6088.0	19.35	117.76	60	73	624.3				
100.00		0.3125	35.785	35.183	5593.5	18.78	114.51	60	74	607.2				
105.00		0.3125	34.769	34.176	5126.5	18.21	111.26	60	75	590.0				
108.00		0.3125	34.160	33.571	4859.2	17.86	109.31	60	75	345.8				
110.00		0.3125	33.753	33.168	4686.3	17.63	108.01	60	75	227.1				
115.00		0.3125	32.737	32.160	4272.0	17.06	104.76	60	76	555.7				
118.00		0.3125	32.128	31.556	4035.6	16.72	102.81	60	76	325.2				
120.00		0.3125	31.721	31.153	3882.9	16.49	101.51	60	76	213.4				
123.00	Top - Section 3	0.3125	31.112	30.548	3661.2	16.14	99.56	60	76	314.9				
123.00	Bot - Section 4	0.2188	31.112	21.454	2586.9	23.06	142.19	60	69					
125.00		0.2188	30.705	21.171	2486.1	23.33	140.34	60	69	145.0				
128.00		0.2188	30.096	20.748	2339.9	22.84	137.55	60	70	214.0				
130.00		0.2188	29.689	20.466	2245.8	22.52	135.69	60	70	140.2				
135.00		0.2188	28.674	19.760	2021.4	21.70	131.05	60	71	342.2				
138.00		0.2188	28.064	19.337	1894.3	21.21	128.26	60	71	199.6				
140.00		0.2188	27.658	19.055	1812.5	20.88	126.41	60	72	130.6				
145.00		0.2188	26.642	18.349	1618.5	20.06	121.76	60	73	318.2				
149.00		0.2188	25.829	17.785	1473.7	19.40	118.05	60	73	245.9				
150.00		0.2188	25.626	17.644	1438.9	19.24	117.12	60	74	60.3				
155.00		0.2188	24.610	16.938	1273.1	18.42	112.48	60	74	294.2				
158.00		0.2188	24.000	16.515	1180.0	17.93	109.69	60	75	170.7				
								Total Weight		**24336.9**				**5604.5**

Wind Loading - Shaft

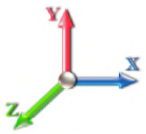
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 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	RB1	1.00	0.85	17.879	19.67	397.09	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	389.72	0.650	0.000	5.00	22.941	14.91	469.2	0.0	1308.5
10.00		1.00	0.85	17.879	19.67	382.34	0.650	0.000	5.00	22.511	14.63	460.4	0.0	1283.8
15.00		1.00	0.85	17.879	19.67	374.97	0.650	0.000	5.00	22.081	14.35	451.6	0.0	1259.1
20.00		1.00	0.90	18.971	20.87	378.65	0.650	0.000	5.00	21.651	14.07	469.9	0.0	1234.4
25.00		1.00	0.95	19.883	21.87	379.88	0.650	0.000	5.00	21.222	13.79	482.7	0.0	1209.7
30.00		1.00	0.98	20.661	22.73	379.32	0.650	0.000	5.00	20.792	13.51	491.4	0.0	1185.0
35.00		1.00	1.01	21.343	23.48	377.47	0.654 *	0.000	5.00	20.362	13.31	500.0	0.0	1160.4
36.00	RT1	1.00	1.02	21.470	23.62	376.97	0.656 *	0.000	1.00	4.021	2.64	99.7	0.0	229.1
39.00	Bot - Section 2	1.00	1.04	21.834	24.02	375.28	0.658 *	0.000	3.00	11.959	7.87	302.4	0.0	681.4
40.00		1.00	1.04	21.951	24.15	374.64	0.650	0.000	1.00	4.015	2.61	100.8	0.0	454.0
45.00	Top - Section 1	1.00	1.07	22.502	24.75	371.05	0.650	0.000	5.00	19.820	12.88	510.2	0.0	2240.2
50.00		1.00	1.09	23.007	25.31	373.00	0.650	0.000	5.00	19.390	12.60	510.3	0.0	1104.5
55.00		1.00	1.12	23.473	25.82	368.31	0.650	0.000	5.00	18.960	12.32	509.1	0.0	1079.8
60.00		1.00	1.14	23.907	26.30	363.18	0.650	0.000	5.00	18.530	12.04	506.8	0.0	1055.1
65.00		1.00	1.16	24.313	26.74	357.65	0.650	0.000	5.00	18.100	11.77	503.4	0.0	1030.4
70.00		1.00	1.17	24.696	27.17	351.79	0.650	0.000	5.00	17.670	11.49	499.2	0.0	1005.8
75.00	Appurtenance(s)	1.00	1.19	25.057	27.56	345.63	0.650	0.000	5.00	17.240	11.21	494.2	0.0	981.1
79.00	Bot - Section 3	1.00	1.20	25.333	27.87	340.51	0.650	0.000	4.00	13.483	8.76	390.7	0.0	767.1
80.00		1.00	1.21	25.400	27.94	339.20	0.650	0.000	1.00	3.381	2.20	98.2	0.0	349.8
84.00	Top - Section 2	1.00	1.22	25.662	28.23	333.88	0.650	0.000	4.00	13.350	8.68	391.9	0.0	1381.2
85.00		1.00	1.22	25.726	28.30	337.97	0.650	0.000	1.00	3.295	2.14	97.0	0.0	156.4
90.00		1.00	1.24	26.037	28.64	331.11	0.650	0.000	5.00	16.215	10.54	483.0	0.0	769.8
95.00		1.00	1.25	26.336	28.97	324.06	0.650	0.000	5.00	15.785	10.26	475.6	0.0	749.2
100.00		1.00	1.27	26.621	29.28	316.82	0.650	0.000	5.00	15.356	9.98	467.7	0.0	728.6
105.00		1.00	1.28	26.896	29.59	309.41	0.650	0.000	5.00	14.926	9.70	459.3	0.0	708.0
108.00	Appurtenance(s)	1.00	1.29	27.056	29.76	304.88	0.650	0.000	3.00	8.749	5.69	270.8	0.0	414.9
110.00		1.00	1.29	27.161	29.88	301.84	0.650	0.000	2.00	5.747	3.74	178.6	0.0	272.5
115.00		1.00	1.30	27.416	30.16	294.13	0.650	0.000	5.00	14.066	9.14	441.2	0.0	666.9
118.00	Appurtenance(s)	1.00	1.31	27.565	30.32	289.43	0.650	0.000	3.00	8.233	5.35	259.6	0.0	390.3
120.00		1.00	1.32	27.663	30.43	286.28	0.650	0.000	2.00	5.403	3.51	171.0	0.0	256.1
123.00	Top - Section 3	1.00	1.32	27.807	30.59	281.51	0.650	0.000	3.00	7.975	5.18	253.7	0.0	377.9
125.00		1.00	1.33	27.902	30.69	278.30	0.650	0.000	2.00	5.231	3.40	167.0	0.0	174.1
128.00	Appurtenance(s)	1.00	1.33	28.042	30.85	273.46	0.650	0.000	3.00	7.717	5.02	247.6	0.0	256.8
130.00		1.00	1.34	28.133	30.95	270.21	0.650	0.000	2.00	5.059	3.29	162.8	0.0	168.3
135.00		1.00	1.35	28.358	31.19	262.00	0.650	0.000	5.00	12.347	8.03	400.5	0.0	410.6
138.00	Appurtenance(s)	1.00	1.35	28.489	31.34	257.02	0.650	0.000	3.00	7.202	4.68	234.7	0.0	239.5
140.00		1.00	1.36	28.576	31.43	253.69	0.650	0.000	2.00	4.715	3.06	154.1	0.0	156.8
145.00		1.00	1.37	28.788	31.67	245.27	0.650	0.000	5.00	11.487	7.47	378.3	0.0	381.8
149.00	Appurtenance(s)	1.00	1.38	28.953	31.85	238.47	0.650	0.000	4.00	8.880	5.77	294.1	0.0	295.1
150.00		1.00	1.38	28.994	31.89	236.76	0.650	0.000	1.00	2.177	1.42	72.2	0.0	72.3
155.00		1.00	1.39	29.195	32.11	228.16	0.650	0.000	5.00	10.627	6.91	354.9	0.0	353.0
158.00	Appurtenance(s)	1.00	1.39	29.313	32.24	222.96	0.650	0.000	3.00	6.170	4.01	206.9	0.0	204.9
								Totals:	**158.00**			**14,473.0**		**29,204.3**

* Cf Adjusted by Linear Load Ra Effect

Discrete Appurtenance Forces

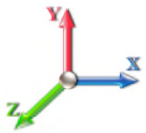
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	158.00	Collar Mount	1	29.313	32.244	1.00	1.00	5.00	420.00	0.000	0.000	257.95	0.00	0.00
2	158.00	Low Profile Platform	1	29.332	32.265	1.00	1.00	25.00	1440.00	0.000	0.500	1290.61	0.00	645.31
3	158.00	RFS - ACU-A20-N - RET	3	29.332	32.265	0.50	0.75	0.21	3.60	0.000	0.500	10.90	0.00	5.45
4	158.00	ALU - 1900 MHz - RRU	3	29.332	32.265	0.50	0.75	5.73	158.40	0.000	0.500	295.73	0.00	147.87
5	158.00	Alu - 800 Filters	3	29.332	32.265	0.38	0.75	0.88	31.68	0.000	0.500	45.30	0.00	22.65
6	158.00	ALU - TD-RRH8x20-25 -	3	29.332	32.265	0.50	0.75	6.11	252.00	0.000	0.500	315.19	0.00	157.59
7	158.00	Site Pro PRK-1245 (kicker	1	29.313	32.244	1.00	1.00	9.50	557.89	0.000	0.000	490.11	0.00	0.00
8	158.00	Site Pro HRK14	1	29.313	32.244	1.00	1.00	8.13	362.83	0.000	0.000	419.43	0.00	0.00
9	158.00	RFS - APXVSPP18-C-A20	3	29.332	32.265	0.62	0.75	14.96	205.20	0.000	0.500	772.27	0.00	386.13
10	158.00	Commscope -	3	29.332	32.265	0.62	0.75	16.95	208.80	0.000	0.500	875.21	0.00	437.60
11	158.00	ALU - 800 MHz - RRU	6	29.332	32.265	0.50	0.75	7.51	381.60	0.000	0.500	387.56	0.00	193.78
12	149.00	DB844H90E-XY	12	28.953	31.848	0.88	0.80	32.21	201.60	0.000	0.000	1641.23	0.00	0.00
13	149.00	Low Profile Platform	1	28.953	31.848	1.00	1.00	25.00	1440.00	0.000	0.000	1273.93	0.00	0.00
14	138.00	AIR6449 B41	3	28.489	31.338	0.53	0.75	9.03	370.80	0.000	0.000	452.57	0.00	0.00
15	138.00	APXVAA24_43-U-A20	3	28.489	31.338	0.55	0.75	33.24	356.40	0.000	0.000	1666.90	0.00	0.00
16	138.00	APX16DWV-16DWVS-E-A	6	28.489	31.338	0.46	0.75	18.44	293.04	0.000	0.000	924.70	0.00	0.00
17	138.00	Platform w/ HR & V-Brace	1	28.489	31.338	1.00	1.00	51.70	2695.20	0.000	0.000	2592.29	0.00	0.00
18	138.00	782 10663	3	28.489	31.338	0.38	0.75	0.32	19.08	0.000	0.000	15.79	0.00	0.00
19	138.00	KRY 112 144/1	3	28.489	31.338	0.38	0.75	0.46	39.60	0.000	0.000	23.13	0.00	0.00
20	138.00	4449 B71 + B85	3	28.489	31.338	0.50	0.75	2.97	263.52	0.000	0.000	148.91	0.00	0.00
21	138.00	RRUS 4424 B25	3	28.489	31.338	0.50	0.75	2.47	165.60	0.000	0.000	123.96	0.00	0.00
22	138.00	Radio 4415 Protruding w/	3	28.489	31.338	0.50	0.75	2.80	178.56	0.000	0.000	140.59	0.00	0.00
23	128.00	Support Rail w/ End	1	28.042	30.846	1.00	1.00	12.25	616.80	0.000	0.000	604.58	0.00	0.00
24	128.00	Heavy Collar Mount	1	28.042	30.846	1.00	1.00	2.50	180.72	0.000	0.000	123.38	0.00	0.00
25	128.00	Kicker Kit	1	28.042	30.846	1.00	1.00	5.33	175.20	0.000	0.000	263.05	0.00	0.00
26	128.00	FE-16148-OVP-B12	1	28.042	30.846	0.75	0.75	1.58	18.25	0.000	0.000	77.73	0.00	0.00
27	128.00	RF4439d-25A	3	28.042	30.846	0.50	0.75	2.82	268.92	0.000	0.000	139.13	0.00	0.00
28	128.00	RF4440d-13A	3	28.042	30.846	0.50	0.75	2.82	253.19	0.000	0.000	139.13	0.00	0.00
29	128.00	MX06FRO660-03	6	28.042	30.846	0.65	0.75	38.64	432.00	0.000	0.000	1907.06	0.00	0.00
30	128.00	MT6407-77A	3	28.042	30.846	0.52	0.75	7.39	313.56	0.000	0.000	364.56	0.00	0.00
31	128.00	Andrew - DB846F65ZAXY	3	28.042	30.846	0.70	0.75	14.75	75.60	0.000	0.000	728.06	0.00	0.00
32	128.00	Low Profile Platform	1	28.042	30.846	1.00	1.00	22.00	1800.00	0.000	0.000	1085.77	0.00	0.00
33	118.00	P65-16-XLH-RR	3	27.565	30.322	0.63	0.80	15.47	190.80	0.000	0.000	750.60	0.00	0.00
34	118.00	7770	6	27.565	30.322	0.62	0.80	20.33	252.00	0.000	0.000	986.22	0.00	0.00
35	118.00	Low Profile Platform	1	27.565	30.322	0.80	0.80	17.60	1800.00	0.000	0.000	853.87	0.00	0.00
36	118.00	RRUS-11	6	27.565	30.322	0.40	0.80	6.05	367.20	0.000	0.000	293.42	0.00	0.00
37	118.00	LGP21401	6	27.565	30.322	0.54	0.80	4.15	101.52	0.000	0.000	201.27	0.00	0.00
38	118.00	TT19-08BP111-001	3	27.565	30.322	0.54	0.80	1.03	57.60	0.000	0.000	49.93	0.00	0.00
39	118.00	DC6-48-60-18	1	27.565	30.322	0.80	0.80	0.74	38.16	0.000	0.000	35.71	0.00	0.00
40	108.00	Platform Commscope	1	27.056	29.762	1.00	1.00	37.59	2072.40	0.000	0.000	1790.00	0.00	0.00
41	108.00	Raycap	1	27.056	29.762	0.59	0.75	1.19	26.28	0.000	0.000	56.71	0.00	0.00
42	108.00	Fujitsu TA08025-B604	3	27.056	29.762	0.50	0.75	2.95	230.04	0.000	0.000	140.70	0.00	0.00
43	108.00	Fujitsu TA08025-B605	3	27.056	29.762	0.50	0.75	2.95	270.00	0.000	0.000	140.70	0.00	0.00
44	108.00	Commscope	3	27.056	29.762	0.55	0.75	20.43	254.88	0.000	0.000	972.84	0.00	0.00
45	75.00	GPS	1	25.057	27.563	1.00	1.00	0.01	4.44	0.000	0.000	0.44	0.00	0.00
							Totals:		**19,844.96**			**25,869.11**		

Total Applied Force Summary

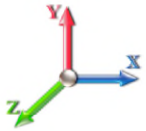
Structure:	CT46131-A-SBA		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 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		469.23	2508.32	0.00	0.00
10.00		460.44	2483.63	0.00	0.00
15.00		451.65	2458.94	0.00	0.00
20.00		469.89	2434.25	0.00	0.00
25.00		482.71	2409.56	0.00	0.00
30.00		491.44	2384.88	0.00	0.00
35.00		500.00	2360.19	0.00	0.00
36.00		99.71	469.07	0.00	0.00
39.00		302.40	1401.30	0.00	0.00
40.00		100.84	507.11	0.00	0.00
45.00		510.20	2505.93	0.00	0.00
50.00		510.33	1370.27	0.00	0.00
55.00		509.13	1345.58	0.00	0.00
60.00		506.79	1320.89	0.00	0.00
65.00		503.45	1296.20	0.00	0.00
70.00		499.22	1271.51	0.00	0.00
75.00	(1) attachments	494.64	1251.27	0.00	0.00
79.00		390.74	978.92	0.00	0.00
80.00		98.23	402.80	0.00	0.00
84.00		391.93	1593.08	0.00	0.00
85.00		96.96	209.38	0.00	0.00
90.00		483.00	1034.55	0.00	0.00
95.00		475.58	1013.98	0.00	0.00
100.00		467.65	993.41	0.00	0.00
105.00		459.25	972.83	0.00	0.00
108.00	(11) attachments	3371.76	3427.42	0.00	0.00
110.00		178.56	374.07	0.00	0.00
115.00		441.17	920.77	0.00	0.00
118.00	(26) attachments	3430.64	3349.86	0.00	0.00
120.00		170.98	335.12	0.00	0.00
123.00		253.71	496.51	0.00	0.00
125.00		166.97	253.11	0.00	0.00
128.00	(23) attachments	5680.03	4509.59	0.00	0.00
130.00		162.82	214.76	0.00	0.00
135.00		400.54	526.81	0.00	0.00
138.00	(28) attachments	6323.55	4690.97	0.00	0.00
140.00		154.14	182.11	0.00	0.00
145.00		378.29	445.19	0.00	0.00
149.00	(13) attachments	3209.28	1987.38	0.00	0.00
150.00		72.21	75.50	0.00	0.00
155.00		354.93	368.86	0.00	0.00
158.00	(28) attachments	5367.15	4236.41	0.00	1996.38
	Totals:	**40,342.16**	**63,372.30**	**0.00**	**1,996.38**

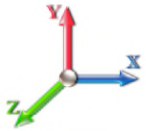
Linear Appurtenance Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.090	0.000	17.879	0.00	74.88
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.090	0.000	17.879	0.00	6.60
5.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.090	0.000	17.879	0.00	934.08
10.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.092	0.000	17.879	0.00	74.88
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.092	0.000	17.879	0.00	6.60
10.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.092	0.000	17.879	0.00	934.08
15.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.094	0.000	17.879	0.00	74.88
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	17.879	0.00	6.60
15.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	17.879	0.00	934.08
20.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.096	0.000	18.971	0.00	74.88
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.096	0.000	18.971	0.00	6.60
20.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.096	0.000	18.971	0.00	934.08
25.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.098	0.000	19.883	0.00	74.88
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.098	0.000	19.883	0.00	6.60
25.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.098	0.000	19.883	0.00	934.08
30.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.100	0.000	20.661	0.00	74.88
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	20.661	0.00	6.60
30.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.100	0.000	20.661	0.00	934.08
35.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.102	1.006	21.343	0.00	74.88
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.006	21.343	0.00	6.60
35.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.102	1.006	21.343	0.00	934.08
36.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.103	1.010	21.470	0.00	14.98
36.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.103	1.010	21.470	0.00	1.32
36.00	1.25" Reinforcing	Yes	1.00	0.000	3.00	0.25	0.00	0.103	1.010	21.470	0.00	186.82
39.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.104	1.012	21.834	0.00	44.93
39.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.104	1.012	21.834	0.00	3.96
39.00	1.25" Reinforcing	Yes	3.00	0.000	3.00	0.75	0.00	0.104	1.012	21.834	0.00	560.45
40.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.042	0.000	21.951	0.00	14.98
40.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.042	0.000	21.951	0.00	1.32
45.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.042	0.000	22.502	0.00	74.88
45.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.502	0.00	6.60
50.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.043	0.000	23.007	0.00	74.88
50.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.007	0.00	6.60
55.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.044	0.000	23.473	0.00	74.88
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.473	0.00	6.60
60.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.045	0.000	23.907	0.00	74.88
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	23.907	0.00	6.60
65.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.046	0.000	24.313	0.00	74.88
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.046	0.000	24.313	0.00	6.60
70.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.047	0.000	24.696	0.00	74.88
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.047	0.000	24.696	0.00	6.60
75.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.048	0.000	25.057	0.00	74.88
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.057	0.00	6.60
79.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.049	0.000	25.333	0.00	59.90
79.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.049	0.000	25.333	0.00	5.28
80.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	25.400	0.00	14.98
80.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	25.400	0.00	1.32

Linear Appurtenance Segment Forces (Factored)

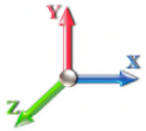
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.050	0.000	25.662	0.00	59.90
84.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.050	0.000	25.662	0.00	5.28
85.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	25.726	0.00	14.98
85.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	25.726	0.00	1.32
90.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.051	0.000	26.037	0.00	74.88
90.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.037	0.00	6.60
95.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.052	0.000	26.336	0.00	74.88
95.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.052	0.000	26.336	0.00	6.60
100.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.054	0.000	26.621	0.00	74.88
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.054	0.000	26.621	0.00	6.60
105.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.055	0.000	26.896	0.00	74.88
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	26.896	0.00	6.60
108.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.057	0.000	27.056	0.00	44.93
108.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.057	0.000	27.056	0.00	3.96
110.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.057	0.000	27.161	0.00	29.95
110.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	27.161	0.00	2.64
115.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.059	0.000	27.416	0.00	74.88
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	27.416	0.00	6.60
118.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.060	0.000	27.565	0.00	44.93
118.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.060	0.000	27.565	0.00	3.96
120.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.061	0.000	27.663	0.00	29.95
120.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	27.663	0.00	2.64
123.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.062	0.000	27.807	0.00	44.93
123.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.062	0.000	27.807	0.00	3.96
125.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.063	0.000	27.902	0.00	29.95
125.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.063	0.000	27.902	0.00	2.64
128.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.064	0.000	28.042	0.00	44.93
128.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.064	0.000	28.042	0.00	3.96
									Totals:		**0.0**	**9,371.7**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 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	-63.31	-40.44	0.00	-4835.7	0.00	4835.70	4238.25	2119.12	9474.98	4744.53	0.00	0.000	0.000	0.637
5.00	-60.68	-40.15	0.00	-4633.5	0.00	4633.51	4191.13	2095.57	9193.31	4603.49	0.09	-0.172	0.000	0.624
10.00	-58.08	-39.85	0.00	-4432.7	0.00	4432.78	4142.79	2071.40	8912.98	4463.11	0.36	-0.344	0.000	0.610
15.00	-55.51	-39.55	0.00	-4233.5	0.00	4233.52	4093.23	2046.62	8634.14	4323.49	0.82	-0.518	0.000	0.596
20.00	-52.96	-39.22	0.00	-4035.7	0.00	4035.77	4042.45	2021.22	8356.93	4184.68	1.45	-0.692	0.000	0.582
25.00	-50.44	-38.85	0.00	-3839.7	0.00	3839.70	3990.44	1995.22	8081.53	4046.77	2.27	-0.866	0.000	0.567
30.00	-47.94	-38.47	0.00	-3645.4	0.00	3645.43	3937.21	1968.60	7808.07	3909.84	3.27	-1.041	0.000	0.552
35.00	-45.52	-38.01	0.00	-3453.0	0.00	3453.09	3882.75	1941.38	7536.73	3773.96	4.46	-1.215	0.000	0.537
36.00	-45.01	-37.95	0.00	-3415.0	0.00	3415.08	3871.71	1935.86	7482.72	3746.92	4.71	-1.251	0.000	0.533
36.00	-45.01	-37.95	0.00	-3415.0	0.00	3415.08	3871.71	1935.86	7482.72	3746.92	4.71	-1.251	0.000	0.533
39.00	-43.56	-37.68	0.00	-3301.2	0.00	3301.23	3838.31	1919.15	7321.27	3666.08	5.53	-1.357	0.000	0.912
40.00	-42.93	-37.71	0.00	-3263.5	0.00	3263.55	3827.07	1913.54	7267.64	3639.22	5.83	-1.419	0.000	0.908
45.00	-40.25	-37.34	0.00	-3075.0	0.00	3075.02	3812.30	1906.15	7197.58	3604.14	7.47	-1.722	0.000	0.864
50.00	-38.70	-36.99	0.00	-2888.3	0.00	2888.31	3755.07	1877.54	6931.57	3470.94	9.44	-2.028	0.000	0.843
55.00	-37.19	-36.62	0.00	-2703.3	0.00	2703.37	3696.63	1848.32	6668.16	3339.04	11.72	-2.319	0.000	0.820
60.00	-35.71	-36.24	0.00	-2520.2	0.00	2520.27	3636.96	1818.48	6407.52	3208.52	14.31	-2.610	0.000	0.796
65.00	-34.26	-35.85	0.00	-2339.0	0.00	2339.09	3576.08	1788.04	6149.79	3079.47	17.20	-2.901	0.000	0.770
70.00	-32.84	-35.45	0.00	-2159.8	0.00	2159.85	3513.96	1756.98	5895.14	2951.95	20.39	-3.191	0.000	0.741
75.00	-31.46	-35.02	0.00	-1982.6	0.00	1982.63	3450.63	1725.31	5643.71	2826.05	23.88	-3.477	0.000	0.711
79.00	-30.42	-34.65	0.00	-1842.5	0.00	1842.54	3399.08	1699.54	5445.00	2726.55	26.89	-3.706	0.000	0.685
80.00	-29.94	-34.60	0.00	-1807.9	0.00	1807.90	3386.07	1693.03	5395.67	2701.84	27.68	-3.764	0.000	0.678
84.00	-28.29	-34.17	0.00	-1669.5	0.00	1669.52	2492.17	1246.08	3964.65	1985.27	30.92	-3.988	0.000	0.853
85.00	-27.98	-34.15	0.00	-1635.3	0.00	1635.35	2483.20	1241.60	3929.49	1967.67	31.77	-4.045	0.000	0.843
90.00	-26.81	-33.73	0.00	-1464.6	0.00	1464.63	2437.73	1218.86	3754.97	1880.28	36.17	-4.353	0.000	0.791
95.00	-25.66	-33.31	0.00	-1295.9	0.00	1295.99	2391.17	1195.58	3582.65	1793.99	40.88	-4.650	0.000	0.734
100.00	-24.56	-32.88	0.00	-1129.4	0.00	1129.46	2343.52	1171.76	3412.67	1708.87	45.90	-4.933	0.000	0.672
105.00	-23.51	-32.42	0.00	-965.08	0.00	965.08	2294.79	1147.40	3245.17	1624.99	51.21	-5.199	0.000	0.605
108.00	-20.35	-28.79	0.00	-867.83	0.00	867.83	2265.03	1132.52	3145.91	1575.29	54.52	-5.352	0.000	0.561
110.00	-19.91	-28.63	0.00	-810.26	0.00	810.26	2244.98	1122.49	3080.27	1542.43	56.78	-5.450	0.000	0.535
115.00	-18.95	-28.16	0.00	-667.09	0.00	667.09	2194.08	1097.04	2918.13	1461.23	62.60	-5.675	0.000	0.466
118.00	-15.92	-24.44	0.00	-582.61	0.00	582.61	2163.02	1081.51	2822.22	1413.21	66.20	-5.799	0.000	0.420
120.00	-15.56	-24.26	0.00	-533.73	0.00	533.73	2136.45	1068.22	2751.59	1377.84	68.65	-5.878	0.000	0.395
123.00	-15.06	-23.98	0.00	-460.94	0.00	460.94	2094.98	1047.49	2645.31	1324.62	72.37	-5.987	0.000	0.356
123.00	-15.06	-23.98	0.00	-460.94	0.00	460.94	1330.70	665.35	1690.49	846.50	72.37	-5.987	0.000	0.557
125.00	-14.78	-23.82	0.00	-412.98	0.00	412.98	1319.70	659.85	1654.32	828.39	74.89	-6.055	0.000	0.511
128.00	-10.87	-17.71	0.00	-341.53	0.00	341.53	1302.88	651.44	1600.34	801.36	78.73	-6.185	0.000	0.435
130.00	-10.64	-17.54	0.00	-306.12	0.00	306.12	1291.45	645.73	1564.57	783.45	81.34	-6.264	0.000	0.400
135.00	-10.12	-17.11	0.00	-218.40	0.00	218.40	1262.12	631.06	1475.93	739.06	87.98	-6.430	0.000	0.304
138.00	-6.16	-10.30	0.00	-167.07	0.00	167.07	1244.00	622.00	1423.34	712.73	92.04	-6.511	0.000	0.240
140.00	-5.99	-10.14	0.00	-146.46	0.00	146.46	1231.70	615.85	1388.54	695.30	94.77	-6.558	0.000	0.216
145.00	-5.57	-9.72	0.00	-95.77	0.00	95.77	1200.20	600.10	1302.53	652.23	101.68	-6.653	0.000	0.152
149.00	-3.97	-6.30	0.00	-56.90	0.00	56.90	1174.22	587.11	1234.81	618.32	107.26	-6.707	0.000	0.096
150.00	-3.90	-6.22	0.00	-50.60	0.00	50.60	1167.61	583.81	1218.04	609.93	108.67	-6.717	0.000	0.086
155.00	-3.58	-5.83	0.00	-19.48	0.00	19.48	1133.94	566.97	1135.21	568.45	115.71	-6.752	0.000	0.038
158.00	0.00	-5.37	0.00	-2.00	0.00	2.00	1113.22	556.61	1086.36	543.99	119.94	-6.759	0.000	0.004

Wind Loading - Shaft

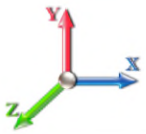
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 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	RB1	1.00	0.85	17.879	19.67	397.09	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	389.72	0.650	0.000	5.00	22.941	14.91	469.2	0.0	981.4
10.00		1.00	0.85	17.879	19.67	382.34	0.650	0.000	5.00	22.511	14.63	460.4	0.0	962.8
15.00		1.00	0.85	17.879	19.67	374.97	0.650	0.000	5.00	22.081	14.35	451.6	0.0	944.3
20.00		1.00	0.90	18.971	20.87	378.65	0.650	0.000	5.00	21.651	14.07	469.9	0.0	925.8
25.00		1.00	0.95	19.883	21.87	379.88	0.650	0.000	5.00	21.222	13.79	482.7	0.0	907.3
30.00		1.00	0.98	20.661	22.73	379.32	0.650	0.000	5.00	20.792	13.51	491.4	0.0	888.8
35.00		1.00	1.01	21.343	23.48	377.47	0.654 *	0.000	5.00	20.362	13.31	500.0	0.0	870.3
36.00	RT1	1.00	1.02	21.470	23.62	376.97	0.656 *	0.000	1.00	4.021	2.64	99.7	0.0	171.8
39.00	Bot - Section 2	1.00	1.04	21.834	24.02	375.28	0.658 *	0.000	3.00	11.959	7.87	302.4	0.0	511.1
40.00		1.00	1.04	21.951	24.15	374.64	0.650	0.000	1.00	4.015	2.61	100.8	0.0	340.5
45.00	Top - Section 1	1.00	1.07	22.502	24.75	371.05	0.650	0.000	5.00	19.820	12.88	510.2	0.0	1680.1
50.00		1.00	1.09	23.007	25.31	373.00	0.650	0.000	5.00	19.390	12.60	510.3	0.0	828.4
55.00		1.00	1.12	23.473	25.82	368.31	0.650	0.000	5.00	18.960	12.32	509.1	0.0	809.9
60.00		1.00	1.14	23.907	26.30	363.18	0.650	0.000	5.00	18.530	12.04	506.8	0.0	791.4
65.00		1.00	1.16	24.313	26.74	357.65	0.650	0.000	5.00	18.100	11.77	503.4	0.0	772.8
70.00		1.00	1.17	24.696	27.17	351.79	0.650	0.000	5.00	17.670	11.49	499.2	0.0	754.3
75.00	Appurtenance(s)	1.00	1.19	25.057	27.56	345.63	0.650	0.000	5.00	17.240	11.21	494.2	0.0	735.8
79.00	Bot - Section 3	1.00	1.20	25.333	27.87	340.51	0.650	0.000	4.00	13.483	8.76	390.7	0.0	575.3
80.00		1.00	1.21	25.400	27.94	339.20	0.650	0.000	1.00	3.381	2.20	98.2	0.0	262.4
84.00	Top - Section 2	1.00	1.22	25.662	28.23	333.88	0.650	0.000	4.00	13.350	8.68	391.9	0.0	1035.9
85.00		1.00	1.22	25.726	28.30	337.97	0.650	0.000	1.00	3.295	2.14	97.0	0.0	117.3
90.00		1.00	1.24	26.037	28.64	331.11	0.650	0.000	5.00	16.215	10.54	483.0	0.0	577.3
95.00		1.00	1.25	26.336	28.97	324.06	0.650	0.000	5.00	15.785	10.26	475.6	0.0	561.9
100.00		1.00	1.27	26.621	29.28	316.82	0.650	0.000	5.00	15.356	9.98	467.7	0.0	546.5
105.00		1.00	1.28	26.896	29.59	309.41	0.650	0.000	5.00	14.926	9.70	459.3	0.0	531.0
108.00	Appurtenance(s)	1.00	1.29	27.056	29.76	304.88	0.650	0.000	3.00	8.749	5.69	270.8	0.0	311.2
110.00		1.00	1.29	27.161	29.88	301.84	0.650	0.000	2.00	5.747	3.74	178.6	0.0	204.4
115.00		1.00	1.30	27.416	30.16	294.13	0.650	0.000	5.00	14.066	9.14	441.2	0.0	500.2
118.00	Appurtenance(s)	1.00	1.31	27.565	30.32	289.43	0.650	0.000	3.00	8.233	5.35	259.6	0.0	292.7
120.00		1.00	1.32	27.663	30.43	286.28	0.650	0.000	2.00	5.403	3.51	171.0	0.0	192.0
123.00	Top - Section 3	1.00	1.32	27.807	30.59	281.51	0.650	0.000	3.00	7.975	5.18	253.7	0.0	283.4
125.00		1.00	1.33	27.902	30.69	278.30	0.650	0.000	2.00	5.231	3.40	167.0	0.0	130.5
128.00	Appurtenance(s)	1.00	1.33	28.042	30.85	273.46	0.650	0.000	3.00	7.717	5.02	247.6	0.0	192.6
130.00		1.00	1.34	28.133	30.95	270.21	0.650	0.000	2.00	5.059	3.29	162.8	0.0	126.2
135.00		1.00	1.35	28.358	31.19	262.00	0.650	0.000	5.00	12.347	8.03	400.5	0.0	308.0
138.00	Appurtenance(s)	1.00	1.35	28.489	31.34	257.02	0.650	0.000	3.00	7.202	4.68	234.7	0.0	179.6
140.00		1.00	1.36	28.576	31.43	253.69	0.650	0.000	2.00	4.715	3.06	154.1	0.0	117.6
145.00		1.00	1.37	28.788	31.67	245.27	0.650	0.000	5.00	11.487	7.47	378.3	0.0	286.4
149.00	Appurtenance(s)	1.00	1.38	28.953	31.85	238.47	0.650	0.000	4.00	8.880	5.77	294.1	0.0	221.3
150.00		1.00	1.38	28.994	31.89	236.76	0.650	0.000	1.00	2.177	1.42	72.2	0.0	54.2
155.00		1.00	1.39	29.195	32.11	228.16	0.650	0.000	5.00	10.627	6.91	354.9	0.0	264.8
158.00	Appurtenance(s)	1.00	1.39	29.313	32.24	222.96	0.650	0.000	3.00	6.170	4.01	206.9	0.0	153.7
								Totals:	**158.00**			**14,473.0**		**21,903.2**

* Cf Adjusted by Linear Load Ra Effect

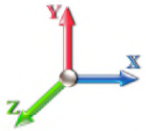
Discrete Appurtenance Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	158.00	Collar Mount	1	29.313	32.244	1.00	1.00	5.00	315.00	0.000	0.000	257.95	0.00	0.00
2	158.00	Low Profile Platform	1	29.332	32.265	1.00	1.00	25.00	1080.00	0.000	0.500	1290.61	0.00	645.31
3	158.00	RFS - ACU-A20-N - RET	3	29.332	32.265	0.50	0.75	0.21	2.70	0.000	0.500	10.90	0.00	5.45
4	158.00	ALU - 1900 MHz - RRU	3	29.332	32.265	0.50	0.75	5.73	118.80	0.000	0.500	295.73	0.00	147.87
5	158.00	Alu - 800 Filters	3	29.332	32.265	0.38	0.75	0.88	23.76	0.000	0.500	45.30	0.00	22.65
6	158.00	ALU - TD-RRH8x20-25 -	3	29.332	32.265	0.50	0.75	6.11	189.00	0.000	0.500	315.19	0.00	157.59
7	158.00	Site Pro PRK-1245 (kicker	1	29.313	32.244	1.00	1.00	9.50	418.42	0.000	0.000	490.11	0.00	0.00
8	158.00	Site Pro HRK14	1	29.313	32.244	1.00	1.00	8.13	272.12	0.000	0.000	419.43	0.00	0.00
9	158.00	RFS - APXVSPP18-C-A20	3	29.332	32.265	0.62	0.75	14.96	153.90	0.000	0.500	772.27	0.00	386.13
10	158.00	Commscope -	3	29.332	32.265	0.62	0.75	16.95	156.60	0.000	0.500	875.21	0.00	437.60
11	158.00	ALU - 800 MHz - RRU	6	29.332	32.265	0.50	0.75	7.51	286.20	0.000	0.500	387.56	0.00	193.78
12	149.00	DB844H90E-XY	12	28.953	31.848	0.88	0.80	32.21	151.20	0.000	0.000	1641.23	0.00	0.00
13	149.00	Low Profile Platform	1	28.953	31.848	1.00	1.00	25.00	1080.00	0.000	0.000	1273.93	0.00	0.00
14	138.00	AIR6449 B41	3	28.489	31.338	0.53	0.75	9.03	278.10	0.000	0.000	452.57	0.00	0.00
15	138.00	APXVAA24_43-U-A20	3	28.489	31.338	0.55	0.75	33.24	267.30	0.000	0.000	1666.90	0.00	0.00
16	138.00	APX16DWV-16DWVS-E-A	6	28.489	31.338	0.46	0.75	18.44	219.78	0.000	0.000	924.70	0.00	0.00
17	138.00	Platform w/ HR & V-Brace	1	28.489	31.338	1.00	1.00	51.70	2021.40	0.000	0.000	2592.29	0.00	0.00
18	138.00	782 10663	3	28.489	31.338	0.38	0.75	0.32	14.31	0.000	0.000	15.79	0.00	0.00
19	138.00	KRY 112 144/1	3	28.489	31.338	0.38	0.75	0.46	29.70	0.000	0.000	23.13	0.00	0.00
20	138.00	4449 B71 + B85	3	28.489	31.338	0.50	0.75	2.97	197.64	0.000	0.000	148.91	0.00	0.00
21	138.00	RRUS 4424 B25	3	28.489	31.338	0.50	0.75	2.47	124.20	0.000	0.000	123.96	0.00	0.00
22	138.00	Radio 4415 Protruding w/	3	28.489	31.338	0.50	0.75	2.80	133.92	0.000	0.000	140.59	0.00	0.00
23	128.00	Support Rail w/ End	1	28.042	30.846	1.00	1.00	12.25	462.60	0.000	0.000	604.58	0.00	0.00
24	128.00	Heavy Collar Mount	1	28.042	30.846	1.00	1.00	2.50	135.54	0.000	0.000	123.38	0.00	0.00
25	128.00	Kicker Kit	1	28.042	30.846	1.00	1.00	5.33	131.40	0.000	0.000	263.05	0.00	0.00
26	128.00	FE-16148-OVP-B12	1	28.042	30.846	0.75	0.75	1.58	13.69	0.000	0.000	77.73	0.00	0.00
27	128.00	RF4439d-25A	3	28.042	30.846	0.50	0.75	2.82	201.69	0.000	0.000	139.13	0.00	0.00
28	128.00	RF4440d-13A	3	28.042	30.846	0.50	0.75	2.82	189.89	0.000	0.000	139.13	0.00	0.00
29	128.00	MX06FRO660-03	6	28.042	30.846	0.65	0.75	38.64	324.00	0.000	0.000	1907.06	0.00	0.00
30	128.00	MT6407-77A	3	28.042	30.846	0.52	0.75	7.39	235.17	0.000	0.000	364.56	0.00	0.00
31	128.00	Andrew - DB846F65ZAXY	3	28.042	30.846	0.70	0.75	14.75	56.70	0.000	0.000	728.06	0.00	0.00
32	128.00	Low Profile Platform	1	28.042	30.846	1.00	1.00	22.00	1350.00	0.000	0.000	1085.77	0.00	0.00
33	118.00	P65-16-XLH-RR	3	27.565	30.322	0.63	0.80	15.47	143.10	0.000	0.000	750.60	0.00	0.00
34	118.00	7770	6	27.565	30.322	0.62	0.80	20.33	189.00	0.000	0.000	986.22	0.00	0.00
35	118.00	Low Profile Platform	1	27.565	30.322	0.80	0.80	17.60	1350.00	0.000	0.000	853.87	0.00	0.00
36	118.00	RRUS-11	6	27.565	30.322	0.40	0.80	6.05	275.40	0.000	0.000	293.42	0.00	0.00
37	118.00	LGP21401	6	27.565	30.322	0.54	0.80	4.15	76.14	0.000	0.000	201.27	0.00	0.00
38	118.00	TT19-08BP111-001	3	27.565	30.322	0.54	0.80	1.03	43.20	0.000	0.000	49.93	0.00	0.00
39	118.00	DC6-48-60-18	1	27.565	30.322	0.80	0.80	0.74	28.62	0.000	0.000	35.71	0.00	0.00
40	108.00	Platform Commscope	1	27.056	29.762	1.00	1.00	37.59	1554.30	0.000	0.000	1790.00	0.00	0.00
41	108.00	Raycap	1	27.056	29.762	0.59	0.75	1.19	19.71	0.000	0.000	56.71	0.00	0.00
42	108.00	Fujitsu TA08025-B604	3	27.056	29.762	0.50	0.75	2.95	172.53	0.000	0.000	140.70	0.00	0.00
43	108.00	Fujitsu TA08025-B605	3	27.056	29.762	0.50	0.75	2.95	202.50	0.000	0.000	140.70	0.00	0.00
44	108.00	Commscope	3	27.056	29.762	0.55	0.75	20.43	191.16	0.000	0.000	972.84	0.00	0.00
45	75.00	GPS	1	25.057	27.563	1.00	1.00	0.01	3.33	0.000	0.000	0.44	0.00	0.00
							Totals:		**14,883.72**			**25,869.11**		

Total Applied Force Summary

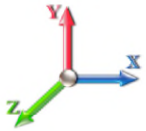
Structure:	CT46131-A-SBA		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 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		469.23	1881.24	0.00	0.00
10.00		460.44	1862.72	0.00	0.00
15.00		451.65	1844.21	0.00	0.00
20.00		469.89	1825.69	0.00	0.00
25.00		482.71	1807.17	0.00	0.00
30.00		491.44	1788.66	0.00	0.00
35.00		500.00	1770.14	0.00	0.00
36.00		99.71	351.81	0.00	0.00
39.00		302.40	1050.97	0.00	0.00
40.00		100.84	380.33	0.00	0.00
45.00		510.20	1879.45	0.00	0.00
50.00		510.33	1027.70	0.00	0.00
55.00		509.13	1009.18	0.00	0.00
60.00		506.79	990.67	0.00	0.00
65.00		503.45	972.15	0.00	0.00
70.00		499.22	953.64	0.00	0.00
75.00	(1) attachments	494.64	938.45	0.00	0.00
79.00		390.74	734.19	0.00	0.00
80.00		98.23	302.10	0.00	0.00
84.00		391.93	1194.81	0.00	0.00
85.00		96.96	157.03	0.00	0.00
90.00		483.00	775.92	0.00	0.00
95.00		475.58	760.49	0.00	0.00
100.00		467.65	745.05	0.00	0.00
105.00		459.25	729.62	0.00	0.00
108.00	(11) attachments	3371.76	2570.57	0.00	0.00
110.00		178.56	280.55	0.00	0.00
115.00		441.17	690.57	0.00	0.00
118.00	(26) attachments	3430.64	2512.40	0.00	0.00
120.00		170.98	251.34	0.00	0.00
123.00		253.71	372.38	0.00	0.00
125.00		166.97	189.83	0.00	0.00
128.00	(23) attachments	5680.03	3382.19	0.00	0.00
130.00		162.82	161.07	0.00	0.00
135.00		400.54	395.11	0.00	0.00
138.00	(28) attachments	6323.55	3518.23	0.00	0.00
140.00		154.14	136.58	0.00	0.00
145.00		378.29	333.89	0.00	0.00
149.00	(13) attachments	3209.28	1490.54	0.00	0.00
150.00		72.21	56.63	0.00	0.00
155.00		354.93	276.65	0.00	0.00
158.00	(28) attachments	5367.15	3177.31	0.00	1996.38
	Totals:	**40,342.16**	**47,529.22**	**0.00**	**1,996.38**

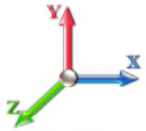
Linear Appurtenance Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.090	0.000	17.879	0.00	56.16
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.090	0.000	17.879	0.00	4.95
5.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.090	0.000	17.879	0.00	700.56
10.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.092	0.000	17.879	0.00	56.16
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.092	0.000	17.879	0.00	4.95
10.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.092	0.000	17.879	0.00	700.56
15.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.094	0.000	17.879	0.00	56.16
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	17.879	0.00	4.95
15.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	17.879	0.00	700.56
20.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.096	0.000	18.971	0.00	56.16
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.096	0.000	18.971	0.00	4.95
20.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.096	0.000	18.971	0.00	700.56
25.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.098	0.000	19.883	0.00	56.16
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.098	0.000	19.883	0.00	4.95
25.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.098	0.000	19.883	0.00	700.56
30.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.100	0.000	20.661	0.00	56.16
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	20.661	0.00	4.95
30.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.100	0.000	20.661	0.00	700.56
35.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.102	1.006	21.343	0.00	56.16
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.006	21.343	0.00	4.95
35.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.102	1.006	21.343	0.00	700.56
36.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.103	1.010	21.470	0.00	11.23
36.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.103	1.010	21.470	0.00	0.99
36.00	1.25" Reinforcing	Yes	1.00	0.000	3.00	0.25	0.00	0.103	1.010	21.470	0.00	140.11
39.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.104	1.012	21.834	0.00	33.70
39.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.104	1.012	21.834	0.00	2.97
39.00	1.25" Reinforcing	Yes	3.00	0.000	3.00	0.75	0.00	0.104	1.012	21.834	0.00	420.34
40.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.042	0.000	21.951	0.00	11.23
40.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.042	0.000	21.951	0.00	0.99
45.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.042	0.000	22.502	0.00	56.16
45.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.502	0.00	4.95
50.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.043	0.000	23.007	0.00	56.16
50.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.007	0.00	4.95
55.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.044	0.000	23.473	0.00	56.16
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.473	0.00	4.95
60.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.045	0.000	23.907	0.00	56.16
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	23.907	0.00	4.95
65.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.046	0.000	24.313	0.00	56.16
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.046	0.000	24.313	0.00	4.95
70.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.047	0.000	24.696	0.00	56.16
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.047	0.000	24.696	0.00	4.95
75.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.048	0.000	25.057	0.00	56.16
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.057	0.00	4.95
79.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.049	0.000	25.333	0.00	44.93
79.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.049	0.000	25.333	0.00	3.96
80.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	25.400	0.00	11.23
80.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	25.400	0.00	0.99

Linear Appurtenance Segment Forces (Factored)

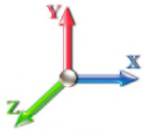
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.050	0.000	25.662	0.00	44.93
84.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.050	0.000	25.662	0.00	3.96
85.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	25.726	0.00	11.23
85.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	25.726	0.00	0.99
90.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.051	0.000	26.037	0.00	56.16
90.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.037	0.00	4.95
95.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.052	0.000	26.336	0.00	56.16
95.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.052	0.000	26.336	0.00	4.95
100.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.054	0.000	26.621	0.00	56.16
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.054	0.000	26.621	0.00	4.95
105.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.055	0.000	26.896	0.00	56.16
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	26.896	0.00	4.95
108.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.057	0.000	27.056	0.00	33.70
108.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.057	0.000	27.056	0.00	2.97
110.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.057	0.000	27.161	0.00	22.46
110.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	27.161	0.00	1.98
115.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.059	0.000	27.416	0.00	56.16
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	27.416	0.00	4.95
118.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.060	0.000	27.565	0.00	33.70
118.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.060	0.000	27.565	0.00	2.97
120.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.061	0.000	27.663	0.00	22.46
120.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	27.663	0.00	1.98
123.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.062	0.000	27.807	0.00	33.70
123.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.062	0.000	27.807	0.00	2.97
125.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.063	0.000	27.902	0.00	22.46
125.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.063	0.000	27.902	0.00	1.98
128.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.064	0.000	28.042	0.00	33.70
128.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.064	0.000	28.042	0.00	2.97
									Totals:		**0.0**	**7,028.8**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 0.9D + 1.6W 93 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	-47.47	-40.41	0.00	-4776.9	0.00	4776.91	4238.25	2119.12	9474.98	4744.53	0.00	0.000	0.000	0.627
5.00	-45.47	-40.08	0.00	-4574.8	0.00	4574.84	4191.13	2095.57	9193.31	4603.49	0.09	-0.170	0.000	0.614
10.00	-43.49	-39.74	0.00	-4374.4	0.00	4374.46	4142.79	2071.40	8912.98	4463.11	0.36	-0.340	0.000	0.600
15.00	-41.53	-39.40	0.00	-4175.7	0.00	4175.78	4093.23	2046.62	8634.14	4323.49	0.81	-0.511	0.000	0.586
20.00	-39.59	-39.03	0.00	-3978.8	0.00	3978.80	4042.45	2021.22	8356.93	4184.68	1.43	-0.683	0.000	0.572
25.00	-37.68	-38.63	0.00	-3783.6	0.00	3783.67	3990.44	1995.22	8081.53	4046.77	2.24	-0.854	0.000	0.557
30.00	-35.78	-38.22	0.00	-3590.5	0.00	3590.51	3937.21	1968.60	7808.07	3909.84	3.23	-1.027	0.000	0.542
35.00	-33.95	-37.75	0.00	-3399.4	0.00	3399.41	3882.75	1941.38	7536.73	3773.96	4.40	-1.198	0.000	0.527
36.00	-33.56	-37.68	0.00	-3361.6	0.00	3361.67	3871.71	1935.86	7482.72	3746.92	4.65	-1.234	0.000	0.524
36.00	-33.56	-37.68	0.00	-3361.6	0.00	3361.67	3871.71	1935.86	7482.72	3746.92	4.65	-1.234	0.000	0.524
39.00	-32.46	-37.40	0.00	-3248.6	0.00	3248.63	3838.31	1919.15	7321.27	3666.08	5.46	-1.338	0.000	0.895
40.00	-31.97	-37.39	0.00	-3211.2	0.00	3211.23	3827.07	1913.54	7267.64	3639.22	5.75	-1.399	0.000	0.891
45.00	-29.91	-36.99	0.00	-3024.2	0.00	3024.27	3812.30	1906.15	7197.58	3604.14	7.37	-1.697	0.000	0.847
50.00	-28.71	-36.59	0.00	-2839.3	0.00	2839.33	3755.07	1877.54	6931.57	3470.94	9.31	-1.997	0.000	0.826
55.00	-27.54	-36.18	0.00	-2656.3	0.00	2656.37	3696.63	1848.32	6668.16	3339.04	11.56	-2.284	0.000	0.803
60.00	-26.39	-35.77	0.00	-2475.4	0.00	2475.45	3636.96	1818.48	6407.52	3208.52	14.10	-2.570	0.000	0.779
65.00	-25.27	-35.35	0.00	-2296.6	0.00	2296.61	3576.08	1788.04	6149.79	3079.47	16.95	-2.856	0.000	0.753
70.00	-24.17	-34.92	0.00	-2119.8	0.00	2119.89	3513.96	1756.98	5895.14	2951.95	20.09	-3.140	0.000	0.725
75.00	-23.11	-34.47	0.00	-1945.3	0.00	1945.31	3450.63	1725.31	5643.71	2826.05	23.53	-3.421	0.000	0.695
79.00	-22.32	-34.09	0.00	-1807.4	0.00	1807.43	3399.08	1699.54	5445.00	2726.55	26.49	-3.645	0.000	0.670
80.00	-21.94	-34.03	0.00	-1773.3	0.00	1773.34	3386.07	1693.03	5395.67	2701.84	27.26	-3.702	0.000	0.663
84.00	-20.70	-33.61	0.00	-1637.2	0.00	1637.23	2492.17	1246.08	3964.65	1985.27	30.45	-3.922	0.000	0.834
85.00	-20.44	-33.56	0.00	-1603.6	0.00	1603.63	2483.20	1241.60	3929.49	1967.67	31.28	-3.978	0.000	0.824
90.00	-19.53	-33.13	0.00	-1435.8	0.00	1435.82	2437.73	1218.86	3754.97	1880.28	35.61	-4.280	0.000	0.772
95.00	-18.65	-32.69	0.00	-1270.1	0.00	1270.19	2391.17	1195.58	3582.65	1793.99	40.24	-4.571	0.000	0.717
100.00	-17.79	-32.24	0.00	-1106.7	0.00	1106.75	2343.52	1171.76	3412.67	1708.87	45.18	-4.849	0.000	0.656
105.00	-16.99	-31.78	0.00	-945.54	0.00	945.54	2294.79	1147.40	3245.17	1624.99	50.39	-5.110	0.000	0.590
108.00	-14.68	-28.22	0.00	-850.19	0.00	850.19	2265.03	1132.52	3145.91	1575.29	53.65	-5.259	0.000	0.547
110.00	-14.33	-28.06	0.00	-793.74	0.00	793.74	2244.98	1122.49	3080.27	1542.43	55.87	-5.355	0.000	0.522
115.00	-13.61	-27.60	0.00	-653.44	0.00	653.44	2194.08	1097.04	2918.13	1461.23	61.59	-5.575	0.000	0.454
118.00	-11.40	-23.95	0.00	-570.66	0.00	570.66	2163.02	1081.51	2822.22	1413.21	65.13	-5.697	0.000	0.410
120.00	-11.13	-23.78	0.00	-522.75	0.00	522.75	2136.45	1068.22	2751.59	1377.84	67.53	-5.774	0.000	0.385
123.00	-10.75	-23.50	0.00	-451.42	0.00	451.42	2094.98	1047.49	2645.31	1324.62	71.19	-5.881	0.000	0.346
123.00	-10.75	-23.50	0.00	-451.42	0.00	451.42	1330.70	665.35	1690.49	846.50	71.19	-5.881	0.000	0.543
125.00	-10.54	-23.34	0.00	-404.41	0.00	404.41	1319.70	659.85	1654.32	828.39	73.66	-5.948	0.000	0.497
128.00	-7.74	-17.35	0.00	-334.40	0.00	334.40	1302.88	651.44	1600.34	801.36	77.44	-6.075	0.000	0.424
130.00	-7.56	-17.18	0.00	-299.71	0.00	299.71	1291.45	645.73	1564.57	783.45	79.99	-6.152	0.000	0.389
135.00	-7.18	-16.76	0.00	-213.79	0.00	213.79	1262.12	631.06	1475.93	739.06	86.52	-6.314	0.000	0.296
138.00	-4.37	-10.09	0.00	-163.52	0.00	163.52	1244.00	622.00	1423.34	712.73	90.50	-6.394	0.000	0.233
140.00	-4.24	-9.92	0.00	-143.35	0.00	143.35	1231.70	615.85	1388.54	695.30	93.19	-6.440	0.000	0.210
145.00	-3.94	-9.52	0.00	-93.72	0.00	93.72	1200.20	600.10	1302.53	652.23	99.97	-6.533	0.000	0.147
149.00	-2.82	-6.16	0.00	-55.66	0.00	55.66	1174.22	587.11	1234.81	618.32	105.46	-6.586	0.000	0.093
150.00	-2.77	-6.08	0.00	-49.50	0.00	49.50	1167.61	583.81	1218.04	609.93	106.84	-6.596	0.000	0.084
155.00	-2.54	-5.70	0.00	-19.09	0.00	19.09	1133.94	566.97	1135.21	568.45	113.75	-6.630	0.000	0.036
158.00	0.00	-5.37	0.00	-2.00	0.00	2.00	1113.22	556.61	1086.36	543.99	117.91	-6.637	0.000	0.004

Wind Loading - Shaft

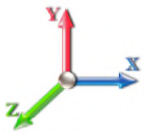
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	23.976	28.77	163.6	427.6	1736.1
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	23.620	28.34	161.1	450.5	1734.3
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	23.237	27.88	158.5	460.8	1719.9
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	22.840	27.41	165.3	465.6	1700.0
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	22.437	26.92	170.2	467.1	1676.8
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	22.030	26.44	173.7	466.4	1651.5
35.00		1.00	1.01	6.169	6.79	0.00	1.207 *	1.509	5.00	21.619	26.09	177.1	464.3	1624.7
36.00	RT1	1.00	1.02	6.206	6.83	0.00	1.212 *	1.513	1.00	4.273	5.18	35.3	92.7	321.9
39.00	Bot - Section 2	1.00	1.04	6.311	6.94	0.00	1.215 *	1.525	3.00	12.722	15.45	107.3	277.0	958.4
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	1.00	4.270	5.12	35.8	93.6	547.6
45.00	Top - Section 1	1.00	1.07	6.504	7.15	0.00	1.200	1.547	5.00	21.109	25.33	181.2	464.1	2704.2
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	5.00	20.693	24.83	181.6	459.2	1563.7
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	20.275	24.33	181.6	453.7	1533.5
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	19.857	23.83	181.1	447.6	1502.8
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	19.438	23.33	180.3	441.1	1471.6
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	19.018	22.82	179.2	434.2	1440.0
75.00	Appurtenance(s)	1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	18.597	22.32	177.8	427.0	1408.1
79.00	Bot - Section 3	1.00	1.20	7.322	8.05	0.00	1.200	1.637	4.00	14.574	17.49	140.9	336.8	1103.8
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	1.00	3.654	4.38	35.4	85.2	435.0
84.00	Top - Section 2	1.00	1.22	7.418	8.16	0.00	1.200	1.647	4.00	14.448	17.34	141.5	335.7	1716.9
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	1.00	3.569	4.28	35.0	83.6	240.0
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	5.00	17.597	21.12	174.8	410.0	1179.7
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	5.00	17.175	20.61	172.6	401.7	1150.9
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	16.752	20.10	170.2	393.2	1121.8
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	16.329	19.59	167.6	384.4	1092.5
108.00	Appurtenance(s)	1.00	1.29	7.821	8.60	0.00	1.200	1.689	3.00	9.593	11.51	99.0	227.5	642.4
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	2.00	6.311	7.57	65.4	150.2	422.7
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	15.482	18.58	162.0	366.5	1033.4
118.00	Appurtenance(s)	1.00	1.31	7.968	8.76	0.00	1.200	1.704	3.00	9.085	10.90	95.6	216.6	606.8
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	2.00	5.972	7.17	63.0	142.9	399.0
123.00	Top - Section 3	1.00	1.32	8.038	8.84	0.00	1.200	1.711	3.00	8.831	10.60	93.7	211.0	588.9
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	2.00	5.802	6.96	61.8	139.1	313.2
128.00	Appurtenance(s)	1.00	1.33	8.105	8.92	0.00	1.200	1.718	3.00	8.576	10.29	91.8	205.3	462.1
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	2.00	5.632	6.76	60.5	135.3	303.6
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	13.786	16.54	149.2	328.7	739.4
138.00	Appurtenance(s)	1.00	1.35	8.235	9.06	0.00	1.200	1.731	3.00	8.067	9.68	87.7	193.7	433.2
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	2.00	5.293	6.35	57.7	127.6	284.3
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	12.936	15.52	142.1	309.1	690.9
149.00	Appurtenance(s)	1.00	1.38	8.369	9.21	0.00	1.200	1.744	4.00	10.043	12.05	110.9	240.9	535.9
150.00		1.00	1.38	8.381	9.22	0.00	1.200	1.745	1.00	2.468	2.96	27.3	59.8	132.1
155.00		1.00	1.39	8.439	9.28	0.00	1.200	1.751	5.00	12.086	14.50	134.6	289.0	642.0
158.00	Appurtenance(s)	1.00	1.39	8.473	9.32	0.00	1.200	1.754	3.00	7.047	8.46	78.8	169.7	374.6
								Totals:	**158.00**			**5,229.7**		**41,940.2**

* Cf Adjusted by Linear Load Ra Effect

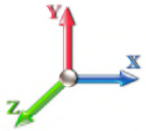
Discrete Appurtenance Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	158.00	Collar Mount	1	8.473	9.320	1.00	1.00	8.51	614.72	0.000	0.000	79.30	0.00	0.00
2	158.00	Low Profile Platform	1	8.478	9.326	1.00	1.00	46.05	2192.58	0.000	0.500	429.49	0.00	214.75
3	158.00	RFS - ACU-A20-N - RET	3	8.478	9.326	0.50	0.75	0.66	12.66	0.000	0.500	6.16	0.00	3.08
4	158.00	ALU - 1900 MHz - RRU	3	8.478	9.326	0.50	0.75	7.83	394.00	0.000	0.500	73.07	0.00	36.54
5	158.00	Alu - 800 Filters	3	8.478	9.326	0.38	0.75	1.61	69.89	0.000	0.500	15.01	0.00	7.50
6	158.00	ALU - TD-RRH8x20-25 -	3	8.478	9.326	0.50	0.75	8.25	480.72	0.000	0.500	76.92	0.00	38.46
7	158.00	Site Pro PRK-1245 (kicker	1	8.473	9.320	1.00	1.00	19.50	789.04	0.000	0.000	181.74	0.00	0.00
8	158.00	Site Pro HRK14	1	8.473	9.320	1.00	1.00	16.12	1025.89	0.000	0.000	150.21	0.00	0.00
9	158.00	RFS - APXVSPP18-C-A20	3	8.478	9.326	0.64	0.75	20.73	577.96	0.000	0.500	193.37	0.00	96.68
10	158.00	Commscope -	3	8.478	9.326	0.63	0.75	19.89	735.88	0.000	0.500	185.47	0.00	92.73
11	158.00	ALU - 800 MHz - RRU	6	8.478	9.326	0.50	0.75	10.97	701.07	0.000	0.500	102.34	0.00	51.17
12	149.00	DB844H90E-XY	12	8.369	9.206	0.86	0.80	40.51	201.60	0.000	0.000	372.95	0.00	0.00
13	149.00	Low Profile Platform	1	8.369	9.206	1.00	1.00	45.93	2186.43	0.000	0.000	422.81	0.00	0.00
14	138.00	AIR6449 B41	3	8.235	9.058	0.55	0.75	10.83	683.64	0.000	0.000	98.09	0.00	0.00
15	138.00	APXVAA24_43-U-A20	3	8.235	9.058	0.56	0.75	38.88	457.12	0.000	0.000	352.22	0.00	0.00
16	138.00	APX16DWV-16DWVS-E-A	6	8.235	9.058	0.48	0.75	25.26	788.56	0.000	0.000	228.79	0.00	0.00
17	138.00	Platform w/ HR & V-Brace	1	8.235	9.058	1.00	1.00	89.64	4800.96	0.000	0.000	811.98	0.00	0.00
18	138.00	782 10663	3	8.235	9.058	0.38	0.75	0.76	39.08	0.000	0.000	6.91	0.00	0.00
19	138.00	KRY 112 144/1	3	8.235	9.058	0.38	0.75	0.99	62.38	0.000	0.000	8.98	0.00	0.00
20	138.00	4449 B71 + B85	3	8.235	9.058	0.50	0.75	3.82	260.11	0.000	0.000	34.61	0.00	0.00
21	138.00	RRUS 4424 B25	3	8.235	9.058	0.50	0.75	3.24	259.69	0.000	0.000	29.37	0.00	0.00
22	138.00	Radio 4415 Protruding w/	3	8.235	9.058	0.50	0.75	3.77	300.08	0.000	0.000	34.19	0.00	0.00
23	128.00	Support Rail w/ End	1	8.105	8.916	1.00	1.00	24.03	1731.19	0.000	0.000	214.29	0.00	0.00
24	128.00	Heavy Collar Mount	1	8.105	8.916	1.00	1.00	5.08	321.37	0.000	0.000	45.26	0.00	0.00
25	128.00	Kicker Kit	1	8.105	8.916	1.00	1.00	10.82	311.83	0.000	0.000	96.50	0.00	0.00
26	128.00	FE-16148-OVP-B12	1	8.105	8.916	0.75	0.75	2.35	58.34	0.000	0.000	20.97	0.00	0.00
27	128.00	RF4439d-25A	3	8.105	8.916	0.50	0.75	3.67	494.56	0.000	0.000	32.71	0.00	0.00
28	128.00	RF4440d-13A	3	8.105	8.916	0.50	0.75	3.67	467.77	0.000	0.000	32.71	0.00	0.00
29	128.00	MX06FRO660-03	6	8.105	8.916	0.65	0.75	43.94	2016.62	0.000	0.000	391.75	0.00	0.00
30	128.00	MT6407-77A	3	8.105	8.916	0.52	0.75	8.85	665.37	0.000	0.000	78.94	0.00	0.00
31	128.00	Andrew - DB846F65ZAXY	3	8.105	8.916	0.70	0.75	17.33	699.26	0.000	0.000	154.48	0.00	0.00
32	128.00	Low Profile Platform	1	8.105	8.916	1.00	1.00	39.38	2788.32	0.000	0.000	351.14	0.00	0.00
33	118.00	P65-16-XLH-RR	3	7.968	8.765	0.65	0.80	21.18	532.61	0.000	0.000	185.65	0.00	0.00
34	118.00	7770	6	7.968	8.765	0.64	0.80	25.06	1252.04	0.000	0.000	219.68	0.00	0.00
35	118.00	Low Profile Platform	1	7.968	8.765	0.80	0.80	31.39	2777.88	0.000	0.000	275.16	0.00	0.00
36	118.00	RRUS-11	6	7.968	8.765	0.40	0.80	7.53	694.56	0.000	0.000	66.01	0.00	0.00
37	118.00	LGP21401	6	7.968	8.765	0.54	0.80	6.77	205.37	0.000	0.000	59.36	0.00	0.00
38	118.00	TT19-08BP111-001	3	7.968	8.765	0.54	0.80	1.96	99.48	0.000	0.000	17.18	0.00	0.00
39	118.00	DC6-48-60-18	1	7.968	8.765	0.80	0.80	1.08	80.82	0.000	0.000	9.45	0.00	0.00
40	108.00	Platform Commscope	1	7.821	8.603	1.00	1.00	83.30	3332.69	0.000	0.000	716.58	0.00	0.00
41	108.00	Raycap	1	7.821	8.603	0.59	0.75	1.52	65.11	0.000	0.000	13.05	0.00	0.00
42	108.00	Fujitsu TA08025-B604	3	7.821	8.603	0.50	0.75	3.77	340.72	0.000	0.000	32.46	0.00	0.00
43	108.00	Fujitsu TA08025-B605	3	7.821	8.603	0.50	0.75	3.77	384.04	0.000	0.000	32.46	0.00	0.00
44	108.00	Commscope	3	7.821	8.603	0.55	0.75	22.78	885.37	0.000	0.000	195.93	0.00	0.00
45	75.00	GPS	1	7.243	7.967	1.00	1.00	0.01	8.14	0.000	0.000	0.08	0.00	0.00
							Totals:		**37,847.50**			**7,135.79**		

Total Applied Force Summary

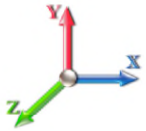
Structure:	CT46131-A-SBA		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		163.56	3142.65	0.00	0.00
10.00		161.13	3156.12	0.00	0.00
15.00		158.51	3151.27	0.00	0.00
20.00		165.32	3138.39	0.00	0.00
25.00		170.22	3120.89	0.00	0.00
30.00		173.67	3100.34	0.00	0.00
35.00		177.06	3077.63	0.00	0.00
36.00		35.34	612.60	0.00	0.00
39.00		107.29	1831.99	0.00	0.00
40.00		35.77	641.36	0.00	0.00
45.00		181.23	3175.54	0.00	0.00
50.00		181.64	2037.25	0.00	0.00
55.00		181.59	2009.13	0.00	0.00
60.00		181.13	1980.32	0.00	0.00
65.00		180.32	1950.92	0.00	0.00
70.00		179.20	1921.00	0.00	0.00
75.00	(1) attachments	177.88	1898.77	0.00	0.00
79.00		140.87	1490.09	0.00	0.00
80.00		35.41	531.62	0.00	0.00
84.00		141.47	2104.31	0.00	0.00
85.00		35.04	336.93	0.00	0.00
90.00		174.82	1665.55	0.00	0.00
95.00		172.58	1637.94	0.00	0.00
100.00		170.16	1610.06	0.00	0.00
105.00		167.57	1581.93	0.00	0.00
108.00	(11) attachments	1089.52	5944.42	0.00	0.00
110.00		65.40	614.59	0.00	0.00
115.00		161.95	1514.07	0.00	0.00
118.00	(26) attachments	928.04	6538.38	0.00	0.00
120.00		63.03	569.16	0.00	0.00
123.00		93.69	844.57	0.00	0.00
125.00		61.77	483.80	0.00	0.00
128.00	(23) attachments	1510.52	10272.96	0.00	0.00
130.00		60.46	350.10	0.00	0.00
135.00		149.16	855.52	0.00	0.00
138.00	(28) attachments	1692.83	8154.50	0.00	0.00
140.00		57.71	309.69	0.00	0.00
145.00		142.09	754.24	0.00	0.00
149.00	(13) attachments	906.70	2974.66	0.00	0.00
150.00		27.30	135.31	0.00	0.00
155.00		134.63	657.81	0.00	0.00
158.00	(28) attachments	1571.90	7978.51	0.00	540.92
	Totals:	**12,365.45**	**99,856.88**	**0.00**	**540.92**

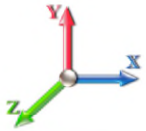
Linear Appurtenance Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	1.98	1.86	0.00	0.090	0.000	5.168	0.00	218.70
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.090	0.000	5.168	0.00	27.35
5.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.29	0.00	0.090	0.000	5.168	0.00	976.24
10.00	1 5/8" Coax	Yes	5.00	0.000	1.98	1.93	0.00	0.092	0.000	5.168	0.00	228.34
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.092	0.000	5.168	0.00	29.45
10.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.36	0.00	0.092	0.000	5.168	0.00	979.72
15.00	1 5/8" Coax	Yes	5.00	0.000	1.98	1.98	0.00	0.094	0.000	5.168	0.00	234.34
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	5.168	0.00	30.79
15.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.41	0.00	0.094	0.000	5.168	0.00	981.92
20.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.01	0.00	0.096	0.000	5.483	0.00	238.78
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.096	0.000	5.483	0.00	31.80
20.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.44	0.00	0.096	0.000	5.483	0.00	983.56
25.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.04	0.00	0.098	0.000	5.747	0.00	242.32
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.098	0.000	5.747	0.00	32.62
25.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.47	0.00	0.098	0.000	5.747	0.00	984.88
30.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.06	0.00	0.100	0.000	5.972	0.00	245.28
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	5.972	0.00	33.31
30.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.49	0.00	0.100	0.000	5.972	0.00	985.99
35.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.08	0.00	0.102	1.006	6.169	0.00	247.84
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.006	6.169	0.00	33.91
35.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	2.51	0.00	0.102	1.006	6.169	0.00	986.95
36.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.42	0.00	0.103	1.010	6.206	0.00	49.66
36.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.103	1.010	6.206	0.00	6.80
36.00	1.25" Reinforcing	Yes	1.00	0.000	3.00	0.50	0.00	0.103	1.010	6.206	0.00	197.43
39.00	1 5/8" Coax	Yes	3.00	0.000	1.98	1.26	0.00	0.104	1.012	6.311	0.00	149.79
39.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.104	1.012	6.311	0.00	20.61
39.00	1.25" Reinforcing	Yes	3.00	0.000	3.00	1.51	0.00	0.104	1.012	6.311	0.00	592.58
40.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.42	0.00	0.042	0.000	6.345	0.00	50.02
40.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.042	0.000	6.345	0.00	6.89
45.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.11	0.00	0.042	0.000	6.504	0.00	252.10
45.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	6.504	0.00	34.93
50.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.13	0.00	0.043	0.000	6.650	0.00	253.93
50.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	6.650	0.00	35.37
55.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.14	0.00	0.044	0.000	6.785	0.00	255.60
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	6.785	0.00	35.77
60.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.15	0.00	0.045	0.000	6.910	0.00	257.14
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	6.910	0.00	36.14
65.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.16	0.00	0.046	0.000	7.028	0.00	258.57
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.046	0.000	7.028	0.00	36.49
70.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.17	0.00	0.047	0.000	7.138	0.00	259.91
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.047	0.000	7.138	0.00	36.82
75.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.18	0.00	0.048	0.000	7.243	0.00	261.17
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	7.243	0.00	37.13
79.00	1 5/8" Coax	Yes	4.00	0.000	1.98	1.75	0.00	0.049	0.000	7.322	0.00	209.70
79.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.049	0.000	7.322	0.00	29.89
80.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.44	0.00	0.050	0.000	7.342	0.00	52.47
80.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	7.342	0.00	7.48

Linear Appurtenance Segment Forces (Factored)

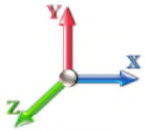
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1 5/8" Coax	Yes	4.00	0.000	1.98	1.76	0.00	0.050	0.000	7.418	0.00	210.60
84.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.050	0.000	7.418	0.00	30.12
85.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.44	0.00	0.050	0.000	7.436	0.00	52.69
85.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	7.436	0.00	7.54
90.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.21	0.00	0.051	0.000	7.526	0.00	264.54
90.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	7.526	0.00	37.97
95.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.21	0.00	0.052	0.000	7.612	0.00	265.55
95.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.052	0.000	7.612	0.00	38.22
100.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.22	0.00	0.054	0.000	7.695	0.00	266.52
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.054	0.000	7.695	0.00	38.46
105.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.23	0.00	0.055	0.000	7.774	0.00	267.44
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	7.774	0.00	38.69
108.00	1 5/8" Coax	Yes	3.00	0.000	1.98	1.34	0.00	0.057	0.000	7.821	0.00	160.79
108.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.057	0.000	7.821	0.00	23.30
110.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.89	0.00	0.057	0.000	7.851	0.00	107.33
110.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	7.851	0.00	15.57
115.00	1 5/8" Coax	Yes	5.00	0.000	1.98	2.24	0.00	0.059	0.000	7.925	0.00	269.18
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	7.925	0.00	39.13
118.00	1 5/8" Coax	Yes	3.00	0.000	1.98	1.35	0.00	0.060	0.000	7.968	0.00	161.81
118.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.060	0.000	7.968	0.00	23.55
120.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.90	0.00	0.061	0.000	7.996	0.00	108.00
120.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	7.996	0.00	15.73
123.00	1 5/8" Coax	Yes	3.00	0.000	1.98	1.35	0.00	0.062	0.000	8.038	0.00	162.29
123.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.062	0.000	8.038	0.00	23.67
125.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.90	0.00	0.063	0.000	8.065	0.00	108.32
125.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.063	0.000	8.065	0.00	15.81
128.00	1 5/8" Coax	Yes	3.00	0.000	1.98	1.35	0.00	0.064	0.000	8.105	0.00	162.75
128.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.064	0.000	8.105	0.00	23.79
										Totals:	**0.0**	**15,117.9**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-99.85	-12.41	0.00	-1499.5	0.00	1499.59	4238.25	2119.12	9474.98	4744.53	0.00	0.000	0.000	0.208
5.00	-96.70	-12.34	0.00	-1437.5	0.00	1437.53	4191.13	2095.57	9193.31	4603.49	0.03	-0.053	0.000	0.204
10.00	-93.53	-12.26	0.00	-1375.8	0.00	1375.84	4142.79	2071.40	8912.98	4463.11	0.11	-0.107	0.000	0.200
15.00	-90.37	-12.18	0.00	-1314.5	0.00	1314.54	4093.23	2046.62	8634.14	4323.49	0.25	-0.161	0.000	0.195
20.00	-87.22	-12.09	0.00	-1253.6	0.00	1253.65	4042.45	2021.22	8356.93	4184.68	0.45	-0.215	0.000	0.191
25.00	-84.09	-11.98	0.00	-1193.2	0.00	1193.22	3990.44	1995.22	8081.53	4046.77	0.70	-0.269	0.000	0.186
30.00	-80.98	-11.87	0.00	-1133.3	0.00	1133.31	3937.21	1968.60	7808.07	3909.84	1.02	-0.323	0.000	0.181
35.00	-77.89	-11.72	0.00	-1073.9	0.00	1073.97	3882.75	1941.38	7536.73	3773.96	1.38	-0.377	0.000	0.176
36.00	-77.28	-11.71	0.00	-1062.2	0.00	1062.25	3871.71	1935.86	7482.72	3746.92	1.46	-0.389	0.000	0.175
36.00	-77.28	-11.71	0.00	-1062.2	0.00	1062.25	3871.71	1935.86	7482.72	3746.92	1.46	-0.389	0.000	0.175
39.00	-75.44	-11.62	0.00	-1027.1	0.00	1027.13	3838.31	1919.15	7321.27	3666.08	1.72	-0.421	0.000	0.300
40.00	-74.79	-11.66	0.00	-1015.5	0.00	1015.51	3827.07	1913.54	7267.64	3639.22	1.81	-0.441	0.000	0.299
45.00	-71.59	-11.57	0.00	-957.23	0.00	957.23	3812.30	1906.15	7197.58	3604.14	2.32	-0.535	0.000	0.284
50.00	-69.54	-11.48	0.00	-899.40	0.00	899.40	3755.07	1877.54	6931.57	3470.94	2.93	-0.630	0.000	0.278
55.00	-67.52	-11.38	0.00	-842.02	0.00	842.02	3696.63	1848.32	6668.16	3339.04	3.64	-0.721	0.000	0.270
60.00	-65.52	-11.27	0.00	-785.13	0.00	785.13	3636.96	1818.48	6407.52	3208.52	4.45	-0.812	0.000	0.263
65.00	-63.55	-11.17	0.00	-728.76	0.00	728.76	3576.08	1788.04	6149.79	3079.47	5.34	-0.902	0.000	0.254
70.00	-61.62	-11.05	0.00	-672.93	0.00	672.93	3513.96	1756.98	5895.14	2951.95	6.34	-0.993	0.000	0.246
75.00	-59.71	-10.92	0.00	-617.68	0.00	617.68	3450.63	1725.31	5643.71	2826.05	7.43	-1.082	0.000	0.236
79.00	-58.21	-10.80	0.00	-573.99	0.00	573.99	3399.08	1699.54	5445.00	2726.55	8.36	-1.153	0.000	0.228
80.00	-57.67	-10.80	0.00	-563.19	0.00	563.19	3386.07	1693.03	5395.67	2701.84	8.61	-1.171	0.000	0.226
84.00	-55.57	-10.65	0.00	-520.01	0.00	520.01	2492.17	1246.08	3964.65	1985.27	9.62	-1.241	0.000	0.284
85.00	-55.22	-10.67	0.00	-509.36	0.00	509.36	2483.20	1241.60	3929.49	1967.67	9.88	-1.259	0.000	0.281
90.00	-53.54	-10.54	0.00	-456.04	0.00	456.04	2437.73	1218.86	3754.97	1880.28	11.25	-1.355	0.000	0.265
95.00	-51.89	-10.41	0.00	-403.34	0.00	403.34	2391.17	1195.58	3582.65	1793.99	12.72	-1.447	0.000	0.247
100.00	-50.27	-10.27	0.00	-351.29	0.00	351.29	2343.52	1171.76	3412.67	1708.87	14.28	-1.535	0.000	0.227
105.00	-48.68	-10.12	0.00	-299.93	0.00	299.93	2294.79	1147.40	3245.17	1624.99	15.94	-1.618	0.000	0.206
108.00	-42.77	-8.89	0.00	-269.58	0.00	269.58	2265.03	1132.52	3145.91	1575.29	16.97	-1.665	0.000	0.190
110.00	-42.15	-8.84	0.00	-251.81	0.00	251.81	2244.98	1122.49	3080.27	1542.43	17.67	-1.696	0.000	0.182
115.00	-40.63	-8.67	0.00	-207.61	0.00	207.61	2194.08	1097.04	2918.13	1461.23	19.49	-1.766	0.000	0.161
118.00	-34.12	-7.56	0.00	-181.60	0.00	181.60	2163.02	1081.51	2822.22	1413.21	20.61	-1.805	0.000	0.144
120.00	-33.55	-7.49	0.00	-166.48	0.00	166.48	2136.45	1068.22	2751.59	1377.84	21.37	-1.829	0.000	0.137
123.00	-32.70	-7.39	0.00	-144.00	0.00	144.00	2094.98	1047.49	2645.31	1324.62	22.53	-1.863	0.000	0.124
123.00	-32.70	-7.39	0.00	-144.00	0.00	144.00	1330.70	665.35	1690.49	846.50	22.53	-1.863	0.000	0.195
125.00	-32.22	-7.33	0.00	-129.23	0.00	129.23	1319.70	659.85	1654.32	828.39	23.32	-1.884	0.000	0.181
128.00	-22.00	-5.49	0.00	-107.24	0.00	107.24	1302.88	651.44	1600.34	801.36	24.51	-1.925	0.000	0.151
130.00	-21.65	-5.43	0.00	-96.26	0.00	96.26	1291.45	645.73	1564.57	783.45	25.33	-1.950	0.000	0.140
135.00	-20.79	-5.27	0.00	-69.10	0.00	69.10	1262.12	631.06	1475.93	739.06	27.40	-2.002	0.000	0.110
138.00	-12.70	-3.29	0.00	-53.29	0.00	53.29	1244.00	622.00	1423.34	712.73	28.66	-2.028	0.000	0.085
140.00	-12.39	-3.23	0.00	-46.71	0.00	46.71	1231.70	615.85	1388.54	695.30	29.52	-2.043	0.000	0.077
145.00	-11.64	-3.07	0.00	-30.56	0.00	30.56	1200.20	600.10	1302.53	652.23	31.67	-2.073	0.000	0.057
149.00	-8.70	-2.05	0.00	-18.30	0.00	18.30	1174.22	587.11	1234.81	618.32	33.42	-2.090	0.000	0.037
150.00	-8.57	-2.02	0.00	-16.24	0.00	16.24	1167.61	583.81	1218.04	609.93	33.86	-2.094	0.000	0.034
155.00	-7.92	-1.86	0.00	-6.13	0.00	6.13	1133.94	566.97	1135.21	568.45	36.05	-2.105	0.000	0.018
158.00	0.00	-1.57	0.00	-0.54	0.00	0.54	1113.22	556.61	1086.36	543.99	37.38	-2.107	0.000	0.001

Seismic Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.23		**Ss**	0.21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.11		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
5.00		1090.4	0.00	0.03	0.02	29.08	
10.00		1069.8	0.01	0.05	0.03	39.65	
15.00		1049.2	0.02	0.06	0.04	44.09	
20.00		1028.6	0.03	0.07	0.04	45.82	
25.00		1008.1	0.05	0.07	0.04	46.36	
30.00		987.54	0.07	0.07	0.04	46.50	
35.00		966.96	0.09	0.07	0.04	46.61	
36.00	RT1	190.92	0.10	0.07	0.04	9.25	
39.00	Bot - Section 2	567.83	0.12	0.07	0.04	27.92	
40.00		378.30	0.12	0.07	0.03	18.70	
45.00	Top - Section 1	1866.8	0.15	0.07	0.03	94.48	
50.00		920.43	0.19	0.06	0.02	47.32	
55.00		899.86	0.23	0.06	0.02	46.05	
60.00		879.28	0.27	0.05	0.01	43.02	
65.00		858.71	0.32	0.04	0.01	37.24	
70.00		838.13	0.37	0.03	0.01	27.67	
75.00	Appurtenance(s)	821.26	0.43	0.01	0.01	13.98	
79.00	Bot - Section 3	639.24	0.47	-0.01	0.01	0.55	
80.00		291.53	0.48	-0.01	0.01	-1.00	
84.00	Top - Section 2	1151.0	0.53	-0.03	0.01	-23.64	
85.00		130.35	0.55	-0.03	0.01	-3.21	
90.00		641.47	0.61	-0.06	0.02	-27.02	
95.00		624.32	0.68	-0.08	0.03	-33.40	
100.00		607.18	0.76	-0.10	0.04	-35.40	
105.00		590.03	0.83	-0.12	0.06	-33.60	
108.00	Appurtenance(s)	2723.7	0.88	-0.12	0.08	-145.50	
110.00		227.10	0.92	-0.12	0.09	-11.35	
115.00		555.74	1.00	-0.11	0.13	-20.97	
118.00	Appurtenance(s)	2664.6	1.05	-0.09	0.16	-74.41	
120.00		213.38	1.09	-0.08	0.18	-4.35	
123.00	Top - Section 3	314.93	1.15	-0.04	0.22	-2.36	
125.00		145.04	1.18	-0.01	0.24	0.30	
128.00	Appurtenance(s)	3659.1	1.24	0.05	0.29	66.05	
130.00		140.24	1.28	0.09	0.32	4.17	
135.00		342.20	1.38	0.25	0.41	21.43	
138.00	Appurtenance(s)	3851.0	1.44	0.37	0.48	327.06	
140.00		130.64	1.48	0.46	0.52	13.18	
145.00		318.19	1.59	0.75	0.66	46.05	
149.00	Appurtenance(s)	1613.9	1.68	1.05	0.79	296.77	
150.00		60.28	1.70	1.14	0.82	11.71	
155.00		294.18	1.82	1.63	1.01	73.43	
158.00	Appurtenance(s)	3522.4	1.89	1.98	1.14	1006.37	
	Totals:	**40,874.4**				**2,114.6**	**Total Wind:** **40,342.2**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (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	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.23			**Ss**	0.21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.11			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-63.37	-2.54	0.00	-324.15	0.00	324.15	4238.25	2119.12	9474.98	4744.53		0.00	0.00	0.051
5.00	-60.86	-2.52	0.00	-311.47	0.00	311.47	4191.13	2095.57	9193.31	4603.49		0.01	-0.01	0.050
10.00	-58.38	-2.49	0.00	-298.87	0.00	298.87	4142.79	2071.40	8912.98	4463.11		0.02	-0.02	0.049
15.00	-55.92	-2.46	0.00	-286.42	0.00	286.42	4093.23	2046.62	8634.14	4323.49		0.05	-0.03	0.048
20.00	-53.48	-2.42	0.00	-274.13	0.00	274.13	4042.45	2021.22	8356.93	4184.68		0.10	-0.05	0.047
25.00	-51.07	-2.38	0.00	-262.03	0.00	262.03	3990.44	1995.22	8081.53	4046.77		0.15	-0.06	0.045
30.00	-48.69	-2.34	0.00	-250.11	0.00	250.11	3937.21	1968.60	7808.07	3909.84		0.22	-0.07	0.044
35.00	-46.33	-2.30	0.00	-238.40	0.00	238.40	3882.75	1941.38	7536.73	3773.96		0.30	-0.08	0.043
36.00	-45.86	-2.29	0.00	-236.10	0.00	236.10	3871.71	1935.86	7482.72	3746.92		0.32	-0.08	0.043
36.00	-45.86	-2.29	0.00	-236.10	0.00	236.10	3871.71	1935.86	7482.72	3746.92		0.32	-0.08	0.043
39.00	-44.46	-2.27	0.00	-229.21	0.00	229.21	3838.31	1919.15	7321.27	3666.08		0.37	-0.09	0.074
40.00	-43.95	-2.26	0.00	-226.95	0.00	226.95	3827.07	1913.54	7267.64	3639.22		0.39	-0.10	0.074
45.00	-41.44	-2.17	0.00	-215.65	0.00	215.65	3812.30	1906.15	7197.58	3604.14		0.51	-0.12	0.071
50.00	-40.07	-2.14	0.00	-204.78	0.00	204.78	3755.07	1877.54	6931.57	3470.94		0.64	-0.14	0.070
55.00	-38.73	-2.10	0.00	-194.08	0.00	194.08	3696.63	1848.32	6668.16	3339.04		0.80	-0.16	0.069
60.00	-37.41	-2.07	0.00	-183.57	0.00	183.57	3636.96	1818.48	6407.52	3208.52		0.98	-0.18	0.067
65.00	-36.11	-2.04	0.00	-173.21	0.00	173.21	3576.08	1788.04	6149.79	3079.47		1.18	-0.20	0.066
70.00	-34.84	-2.02	0.00	-163.00	0.00	163.00	3513.96	1756.98	5895.14	2951.95		1.40	-0.22	0.065
75.00	-33.58	-2.02	0.00	-152.88	0.00	152.88	3450.63	1725.31	5643.71	2826.05		1.65	-0.25	0.064
79.00	-32.61	-2.02	0.00	-144.82	0.00	144.82	3399.08	1699.54	5445.00	2726.55		1.86	-0.26	0.063
80.00	-32.20	-2.02	0.00	-142.80	0.00	142.80	3386.07	1693.03	5395.67	2701.84		1.92	-0.27	0.062
84.00	-30.61	-2.02	0.00	-134.71	0.00	134.71	2492.17	1246.08	3964.65	1985.27		2.15	-0.29	0.080
85.00	-30.40	-2.03	0.00	-132.69	0.00	132.69	2483.20	1241.60	3929.49	1967.67		2.21	-0.29	0.080
90.00	-29.36	-2.03	0.00	-122.56	0.00	122.56	2437.73	1218.86	3754.97	1880.28		2.53	-0.32	0.077
95.00	-28.35	-2.04	0.00	-112.38	0.00	112.38	2391.17	1195.58	3582.65	1793.99		2.87	-0.34	0.075
100.00	-27.35	-2.05	0.00	-102.18	0.00	102.18	2343.52	1171.76	3412.67	1708.87		3.25	-0.37	0.071
105.00	-26.38	-2.05	0.00	-91.94	0.00	91.94	2294.79	1147.40	3245.17	1624.99		3.64	-0.39	0.068
108.00	-22.95	-2.03	0.00	-85.79	0.00	85.79	2265.03	1132.52	3145.91	1575.29		3.89	-0.41	0.065
110.00	-22.58	-2.03	0.00	-81.73	0.00	81.73	2244.98	1122.49	3080.27	1542.43		4.07	-0.42	0.063
115.00	-21.66	-2.03	0.00	-71.56	0.00	71.56	2194.08	1097.04	2918.13	1461.23		4.51	-0.44	0.059
118.00	-18.31	-2.01	0.00	-65.45	0.00	65.45	2163.02	1081.51	2822.22	1413.21		4.79	-0.45	0.055
120.00	-17.97	-2.01	0.00	-61.43	0.00	61.43	2136.45	1068.22	2751.59	1377.84		4.99	-0.46	0.053
123.00	-17.47	-2.01	0.00	-55.39	0.00	55.39	2094.98	1047.49	2645.31	1324.62		5.28	-0.47	0.050
123.00	-17.47	-2.01	0.00	-55.39	0.00	55.39	1330.70	665.35	1690.49	846.50		5.28	-0.47	0.079
125.00	-17.22	-2.01	0.00	-51.37	0.00	51.37	1319.70	659.85	1654.32	828.39		5.48	-0.48	0.075
128.00	-12.71	-1.91	0.00	-45.33	0.00	45.33	1302.88	651.44	1600.34	801.36		5.79	-0.50	0.066
130.00	-12.50	-1.91	0.00	-41.50	0.00	41.50	1291.45	645.73	1564.57	783.45		6.00	-0.51	0.063
135.00	-11.97	-1.89	0.00	-31.95	0.00	31.95	1262.12	631.06	1475.93	739.06		6.55	-0.53	0.053
138.00	-7.28	-1.52	0.00	-26.29	0.00	26.29	1244.00	622.00	1423.34	712.73		6.89	-0.55	0.043
140.00	-7.10	-1.50	0.00	-23.26	0.00	23.26	1231.70	615.85	1388.54	695.30		7.12	-0.55	0.039
145.00	-6.65	-1.45	0.00	-15.74	0.00	15.74	1200.20	600.10	1302.53	652.23		7.71	-0.57	0.030
149.00	-4.67	-1.14	0.00	-9.92	0.00	9.92	1174.22	587.11	1234.81	618.32		8.19	-0.58	0.020
150.00	-4.59	-1.13	0.00	-8.78	0.00	8.78	1167.61	583.81	1218.04	609.93		8.31	-0.58	0.018
155.00	-4.23	-1.05	0.00	-3.15	0.00	3.15	1133.94	566.97	1135.21	568.45		8.92	-0.59	0.009
158.00	0.00	-1.01	0.00	0.00	0.00	0.00	1113.22	556.61	1086.36	543.99		9.29	-0.59	0.000

Seismic Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E

Gust Response Factor	1.10			**Sds**	0.23	**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.11	**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**S1**	0.07
						Seismic Importance Factor	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
5.00		1090.4	0.00	0.03	0.02	29.08	
10.00		1069.8	0.01	0.05	0.03	39.65	
15.00		1049.2	0.02	0.06	0.04	44.09	
20.00		1028.6	0.03	0.07	0.04	45.82	
25.00		1008.1	0.05	0.07	0.04	46.36	
30.00		987.54	0.07	0.07	0.04	46.50	
35.00		966.96	0.09	0.07	0.04	46.61	
36.00	RT1	190.92	0.10	0.07	0.04	9.25	
39.00	Bot - Section 2	567.83	0.12	0.07	0.04	27.92	
40.00		378.30	0.12	0.07	0.03	18.70	
45.00	Top - Section 1	1866.8	0.15	0.07	0.03	94.48	
50.00		920.43	0.19	0.06	0.02	47.32	
55.00		899.86	0.23	0.06	0.02	46.05	
60.00		879.28	0.27	0.05	0.01	43.02	
65.00		858.71	0.32	0.04	0.01	37.24	
70.00		838.13	0.37	0.03	0.01	27.67	
75.00	Appurtenance(s)	821.26	0.43	0.01	0.01	13.98	
79.00	Bot - Section 3	639.24	0.47	-0.01	0.01	0.55	
80.00		291.53	0.48	-0.01	0.01	-1.00	
84.00	Top - Section 2	1151.0	0.53	-0.03	0.01	-23.64	
85.00		130.35	0.55	-0.03	0.01	-3.21	
90.00		641.47	0.61	-0.06	0.02	-27.02	
95.00		624.32	0.68	-0.08	0.03	-33.40	
100.00		607.18	0.76	-0.10	0.04	-35.40	
105.00		590.03	0.83	-0.12	0.06	-33.60	
108.00	Appurtenance(s)	2723.7	0.88	-0.12	0.08	-145.50	
110.00		227.10	0.92	-0.12	0.09	-11.35	
115.00		555.74	1.00	-0.11	0.13	-20.97	
118.00	Appurtenance(s)	2664.6	1.05	-0.09	0.16	-74.41	
120.00		213.38	1.09	-0.08	0.18	-4.35	
123.00	Top - Section 3	314.93	1.15	-0.04	0.22	-2.36	
125.00		145.04	1.18	-0.01	0.24	0.30	
128.00	Appurtenance(s)	3659.1	1.24	0.05	0.29	66.05	
130.00		140.24	1.28	0.09	0.32	4.17	
135.00		342.20	1.38	0.25	0.41	21.43	
138.00	Appurtenance(s)	3851.0	1.44	0.37	0.48	327.06	
140.00		130.64	1.48	0.46	0.52	13.18	
145.00		318.19	1.59	0.75	0.66	46.05	
149.00	Appurtenance(s)	1613.9	1.68	1.05	0.79	296.77	
150.00		60.28	1.70	1.14	0.82	11.71	
155.00		294.18	1.82	1.63	1.01	73.43	
158.00	Appurtenance(s)	3522.4	1.89	1.98	1.14	1006.37	
	Totals:	**40,874.4**				**2,114.6**	**Total Wind:** **40,342.2**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E

Gust Response Factor	1.10			**Sds**	0.23			**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.11			**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03			**S1**	0.07
								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	-47.53	-2.53	0.00	-319.79	0.00	319.79	4238.25	2119.12	9474.98	4744.53		0.00	0.00	0.048
5.00	-45.65	-2.51	0.00	-307.11	0.00	307.11	4191.13	2095.57	9193.31	4603.49		0.01	-0.01	0.047
10.00	-43.78	-2.48	0.00	-294.54	0.00	294.54	4142.79	2071.40	8912.98	4463.11		0.02	-0.02	0.046
15.00	-41.94	-2.45	0.00	-282.12	0.00	282.12	4093.23	2046.62	8634.14	4323.49		0.05	-0.03	0.045
20.00	-40.11	-2.41	0.00	-269.89	0.00	269.89	4042.45	2021.22	8356.93	4184.68		0.10	-0.05	0.044
25.00	-38.31	-2.37	0.00	-257.85	0.00	257.85	3990.44	1995.22	8081.53	4046.77		0.15	-0.06	0.043
30.00	-36.52	-2.33	0.00	-246.01	0.00	246.01	3937.21	1968.60	7808.07	3909.84		0.22	-0.07	0.042
35.00	-34.75	-2.28	0.00	-234.38	0.00	234.38	3882.75	1941.38	7536.73	3773.96		0.30	-0.08	0.041
36.00	-34.39	-2.28	0.00	-232.10	0.00	232.10	3871.71	1935.86	7482.72	3746.92		0.31	-0.08	0.041
36.00	-34.39	-2.28	0.00	-232.10	0.00	232.10	3871.71	1935.86	7482.72	3746.92		0.31	-0.08	0.041
39.00	-33.34	-2.25	0.00	-225.27	0.00	225.27	3838.31	1919.15	7321.27	3666.08		0.37	-0.09	0.070
40.00	-32.96	-2.24	0.00	-223.02	0.00	223.02	3827.07	1913.54	7267.64	3639.22		0.39	-0.10	0.070
45.00	-31.08	-2.15	0.00	-211.84	0.00	211.84	3812.30	1906.15	7197.58	3604.14		0.50	-0.12	0.067
50.00	-30.05	-2.11	0.00	-201.08	0.00	201.08	3755.07	1877.54	6931.57	3470.94		0.63	-0.14	0.066
55.00	-29.04	-2.07	0.00	-190.53	0.00	190.53	3696.63	1848.32	6668.16	3339.04		0.79	-0.16	0.065
60.00	-28.05	-2.04	0.00	-180.16	0.00	180.16	3636.96	1818.48	6407.52	3208.52		0.96	-0.18	0.064
65.00	-27.08	-2.01	0.00	-169.97	0.00	169.97	3576.08	1788.04	6149.79	3079.47		1.16	-0.20	0.063
70.00	-26.13	-1.99	0.00	-159.93	0.00	159.93	3513.96	1756.98	5895.14	2951.95		1.38	-0.22	0.062
75.00	-25.19	-1.98	0.00	-150.00	0.00	150.00	3450.63	1725.31	5643.71	2826.05		1.62	-0.24	0.060
79.00	-24.45	-1.98	0.00	-142.10	0.00	142.10	3399.08	1699.54	5445.00	2726.55		1.83	-0.26	0.059
80.00	-24.15	-1.98	0.00	-140.12	0.00	140.12	3386.07	1693.03	5395.67	2701.84		1.89	-0.26	0.059
84.00	-22.95	-1.98	0.00	-132.19	0.00	132.19	2492.17	1246.08	3964.65	1985.27		2.12	-0.28	0.076
85.00	-22.80	-1.98	0.00	-130.22	0.00	130.22	2483.20	1241.60	3929.49	1967.67		2.17	-0.29	0.075
90.00	-22.02	-1.99	0.00	-120.29	0.00	120.29	2437.73	1218.86	3754.97	1880.28		2.49	-0.31	0.073
95.00	-21.26	-2.00	0.00	-110.34	0.00	110.34	2391.17	1195.58	3582.65	1793.99		2.83	-0.34	0.070
100.00	-20.51	-2.00	0.00	-100.36	0.00	100.36	2343.52	1171.76	3412.67	1708.87		3.19	-0.36	0.067
105.00	-19.78	-2.00	0.00	-90.37	0.00	90.37	2294.79	1147.40	3245.17	1624.99		3.58	-0.38	0.064
108.00	-17.21	-1.99	0.00	-84.36	0.00	84.36	2265.03	1132.52	3145.91	1575.29		3.83	-0.40	0.061
110.00	-16.93	-1.99	0.00	-80.39	0.00	80.39	2244.98	1122.49	3080.27	1542.43		4.00	-0.41	0.060
115.00	-16.24	-1.99	0.00	-70.44	0.00	70.44	2194.08	1097.04	2918.13	1461.23		4.44	-0.43	0.056
118.00	-13.73	-1.97	0.00	-64.47	0.00	64.47	2163.02	1081.51	2822.22	1413.21		4.71	-0.44	0.052
120.00	-13.47	-1.97	0.00	-60.52	0.00	60.52	2136.45	1068.22	2751.59	1377.84		4.90	-0.45	0.050
123.00	-13.10	-1.97	0.00	-54.59	0.00	54.59	2094.98	1047.49	2645.31	1324.62		5.19	-0.47	0.047
123.00	-13.10	-1.97	0.00	-54.59	0.00	54.59	1330.70	665.35	1690.49	846.50		5.19	-0.47	0.074
125.00	-12.91	-1.97	0.00	-50.65	0.00	50.65	1319.70	659.85	1654.32	828.39		5.39	-0.47	0.071
128.00	-9.53	-1.88	0.00	-44.72	0.00	44.72	1302.88	651.44	1600.34	801.36		5.69	-0.49	0.063
130.00	-9.37	-1.88	0.00	-40.96	0.00	40.96	1291.45	645.73	1564.57	783.45		5.90	-0.50	0.060
135.00	-8.97	-1.86	0.00	-31.56	0.00	31.56	1262.12	631.06	1475.93	739.06		6.44	-0.52	0.050
138.00	-5.46	-1.50	0.00	-25.99	0.00	25.99	1244.00	622.00	1423.34	712.73		6.77	-0.54	0.041
140.00	-5.32	-1.49	0.00	-22.99	0.00	22.99	1231.70	615.85	1388.54	695.30		7.00	-0.54	0.037
145.00	-4.99	-1.44	0.00	-15.56	0.00	15.56	1200.20	600.10	1302.53	652.23		7.57	-0.56	0.028
149.00	-3.50	-1.13	0.00	-9.81	0.00	9.81	1174.22	587.11	1234.81	618.32		8.05	-0.57	0.019
150.00	-3.44	-1.11	0.00	-8.69	0.00	8.69	1167.61	583.81	1218.04	609.93		8.17	-0.57	0.017
155.00	-3.17	-1.04	0.00	-3.11	0.00	3.11	1133.94	566.97	1135.21	568.45		8.77	-0.58	0.008
158.00	0.00	-1.01	0.00	0.00	0.00	0.00	1113.22	556.61	1086.36	543.99		9.13	-0.58	0.000

Wind Loading - Shaft

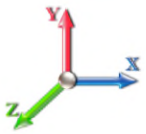
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

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	RB1	1.00	0.85	7.442	8.19	256.18	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	251.43	0.650	0.000	5.00	22.941	14.91	122.1	0.0	1090.4
10.00		1.00	0.85	7.442	8.19	246.67	0.650	0.000	5.00	22.511	14.63	119.8	0.0	1069.8
15.00		1.00	0.85	7.442	8.19	241.92	0.650	0.000	5.00	22.081	14.35	117.5	0.0	1049.3
20.00		1.00	0.90	7.896	8.69	244.29	0.650	0.000	5.00	21.651	14.07	122.2	0.0	1028.7
25.00		1.00	0.95	8.276	9.10	245.08	0.650	0.000	5.00	21.222	13.79	125.6	0.0	1008.1
30.00		1.00	0.98	8.600	9.46	244.72	0.650	0.000	5.00	20.792	13.51	127.8	0.0	987.5
35.00		1.00	1.01	8.883	9.77	243.53	0.654 *	0.000	5.00	20.362	13.31	130.1	0.0	967.0
36.00	RT1	1.00	1.02	8.936	9.83	243.21	0.656 *	0.000	1.00	4.021	2.64	25.9	0.0	190.9
39.00	Bot - Section 2	1.00	1.04	9.088	10.00	242.11	0.658 *	0.000	3.00	11.959	7.87	78.7	0.0	567.8
40.00		1.00	1.04	9.137	10.05	241.71	0.650	0.000	1.00	4.015	2.61	26.2	0.0	378.3
45.00	Top - Section 1	1.00	1.07	9.366	10.30	239.39	0.650	0.000	5.00	19.820	12.88	132.7	0.0	1866.8
50.00		1.00	1.09	9.576	10.53	240.64	0.650	0.000	5.00	19.390	12.60	132.8	0.0	920.4
55.00		1.00	1.12	9.770	10.75	237.62	0.650	0.000	5.00	18.960	12.32	132.4	0.0	899.9
60.00		1.00	1.14	9.951	10.95	234.31	0.650	0.000	5.00	18.530	12.04	131.8	0.0	879.3
65.00		1.00	1.16	10.120	11.13	230.74	0.650	0.000	5.00	18.100	11.77	131.0	0.0	858.7
70.00		1.00	1.17	10.279	11.31	226.96	0.650	0.000	5.00	17.670	11.49	129.9	0.0	838.1
75.00	Appurtenance(s)	1.00	1.19	10.430	11.47	222.99	0.650	0.000	5.00	17.240	11.21	128.6	0.0	817.6
79.00	Bot - Section 3	1.00	1.20	10.544	11.60	219.68	0.650	0.000	4.00	13.483	8.76	101.6	0.0	639.2
80.00		1.00	1.21	10.572	11.63	218.84	0.650	0.000	1.00	3.381	2.20	25.6	0.0	291.5
84.00	Top - Section 2	1.00	1.22	10.681	11.75	215.41	0.650	0.000	4.00	13.350	8.68	102.0	0.0	1151.0
85.00		1.00	1.22	10.708	11.78	218.04	0.650	0.000	1.00	3.295	2.14	25.2	0.0	130.4
90.00		1.00	1.24	10.838	11.92	213.62	0.650	0.000	5.00	16.215	10.54	125.7	0.0	641.5
95.00		1.00	1.25	10.962	12.06	209.07	0.650	0.000	5.00	15.785	10.26	123.7	0.0	624.3
100.00		1.00	1.27	11.081	12.19	204.40	0.650	0.000	5.00	15.356	9.98	121.7	0.0	607.2
105.00		1.00	1.28	11.195	12.31	199.62	0.650	0.000	5.00	14.926	9.70	119.5	0.0	590.0
108.00	Appurtenance(s)	1.00	1.29	11.262	12.39	196.70	0.650	0.000	3.00	8.749	5.69	70.4	0.0	345.8
110.00		1.00	1.29	11.305	12.44	194.74	0.650	0.000	2.00	5.747	3.74	46.5	0.0	227.1
115.00		1.00	1.30	11.412	12.55	189.76	0.650	0.000	5.00	14.066	9.14	114.8	0.0	555.7
118.00	Appurtenance(s)	1.00	1.31	11.474	12.62	186.73	0.650	0.000	3.00	8.233	5.35	67.5	0.0	325.2
120.00		1.00	1.32	11.514	12.67	184.70	0.650	0.000	2.00	5.403	3.51	44.5	0.0	213.4
123.00	Top - Section 3	1.00	1.32	11.574	12.73	181.62	0.650	0.000	3.00	7.975	5.18	66.0	0.0	314.9
125.00		1.00	1.33	11.614	12.78	179.55	0.650	0.000	2.00	5.231	3.40	43.4	0.0	145.0
128.00	Appurtenance(s)	1.00	1.33	11.672	12.84	176.43	0.650	0.000	3.00	7.717	5.02	64.4	0.0	214.0
130.00		1.00	1.34	11.710	12.88	174.33	0.650	0.000	2.00	5.059	3.29	42.4	0.0	140.2
135.00		1.00	1.35	11.803	12.98	169.03	0.650	0.000	5.00	12.347	8.03	104.2	0.0	342.2
138.00	Appurtenance(s)	1.00	1.35	11.858	13.04	165.82	0.650	0.000	3.00	7.202	4.68	61.1	0.0	199.6
140.00		1.00	1.36	11.894	13.08	163.67	0.650	0.000	2.00	4.715	3.06	40.1	0.0	130.6
145.00		1.00	1.37	11.982	13.18	158.24	0.650	0.000	5.00	11.487	7.47	98.4	0.0	318.2
149.00	Appurtenance(s)	1.00	1.38	12.051	13.26	153.85	0.650	0.000	4.00	8.880	5.77	76.5	0.0	245.9
150.00		1.00	1.38	12.068	13.27	152.75	0.650	0.000	1.00	2.177	1.42	18.8	0.0	60.3
155.00		1.00	1.39	12.152	13.37	147.20	0.650	0.000	5.00	10.627	6.91	92.3	0.0	294.2
158.00	Appurtenance(s)	1.00	1.39	12.201	13.42	143.84	0.650	0.000	3.00	6.170	4.01	53.8	0.0	170.7
								Totals:	**158.00**			**3,765.1**		**24,336.9**

* Cf Adjusted by Linear Load Ra Effect

Discrete Appurtenance Forces

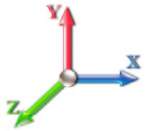
Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Tower Engineering Solutions

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)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	158.00	Collar Mount	1	12.201	13.421	1.00	1.00	5.00	350.00	0.000	0.000	67.10	0.00	0.00
2	158.00	Low Profile Platform	1	12.209	13.430	1.00	1.00	25.00	1200.00	0.000	0.500	335.75	0.00	167.87
3	158.00	RFS - ACU-A20-N - RET	3	12.209	13.430	0.50	0.75	0.21	3.00	0.000	0.500	2.83	0.00	1.42
4	158.00	ALU - 1900 MHz - RRU	3	12.209	13.430	0.50	0.75	5.73	132.00	0.000	0.500	76.93	0.00	38.47
5	158.00	Alu - 800 Filters	3	12.209	13.430	0.38	0.75	0.88	26.40	0.000	0.500	11.78	0.00	5.89
6	158.00	ALU - TD-RRH8x20-25 -	3	12.209	13.430	0.50	0.75	6.11	210.00	0.000	0.500	81.99	0.00	41.00
7	158.00	Site Pro PRK-1245 (kicker	1	12.201	13.421	1.00	1.00	9.50	464.91	0.000	0.000	127.50	0.00	0.00
8	158.00	Site Pro HRK14	1	12.201	13.421	1.00	1.00	8.13	302.36	0.000	0.000	109.11	0.00	0.00
9	158.00	RFS - APXVSPP18-C-A20	3	12.209	13.430	0.62	0.75	14.96	171.00	0.000	0.500	200.90	0.00	100.45
10	158.00	Commscope -	3	12.209	13.430	0.62	0.75	16.95	174.00	0.000	0.500	227.68	0.00	113.84
11	158.00	ALU - 800 MHz - RRU	6	12.209	13.430	0.50	0.75	7.51	318.00	0.000	0.500	100.82	0.00	50.41
12	149.00	DB844H90E-XY	12	12.051	13.256	0.88	0.80	32.21	168.00	0.000	0.000	426.96	0.00	0.00
13	149.00	Low Profile Platform	1	12.051	13.256	1.00	1.00	25.00	1200.00	0.000	0.000	331.41	0.00	0.00
14	138.00	AIR6449 B41	3	11.858	13.044	0.53	0.75	9.03	309.00	0.000	0.000	117.73	0.00	0.00
15	138.00	APXVAA24_43-U-A20	3	11.858	13.044	0.55	0.75	33.24	297.00	0.000	0.000	433.64	0.00	0.00
16	138.00	APX16DWV-16DWVS-E-A	6	11.858	13.044	0.46	0.75	18.44	244.20	0.000	0.000	240.56	0.00	0.00
17	138.00	Platform w/ HR & V-Brace	1	11.858	13.044	1.00	1.00	51.70	2246.00	0.000	0.000	674.37	0.00	0.00
18	138.00	782 10663	3	11.858	13.044	0.38	0.75	0.32	15.90	0.000	0.000	4.11	0.00	0.00
19	138.00	KRY 112 144/1	3	11.858	13.044	0.38	0.75	0.46	33.00	0.000	0.000	6.02	0.00	0.00
20	138.00	4449 B71 + B85	3	11.858	13.044	0.50	0.75	2.97	219.60	0.000	0.000	38.74	0.00	0.00
21	138.00	RRUS 4424 B25	3	11.858	13.044	0.50	0.75	2.47	138.00	0.000	0.000	32.25	0.00	0.00
22	138.00	Radio 4415 Protruding w/	3	11.858	13.044	0.50	0.75	2.80	148.80	0.000	0.000	36.57	0.00	0.00
23	128.00	Support Rail w/ End	1	11.672	12.839	1.00	1.00	12.25	514.00	0.000	0.000	157.28	0.00	0.00
24	128.00	Heavy Collar Mount	1	11.672	12.839	1.00	1.00	2.50	150.60	0.000	0.000	32.10	0.00	0.00
25	128.00	Kicker Kit	1	11.672	12.839	1.00	1.00	5.33	146.00	0.000	0.000	68.43	0.00	0.00
26	128.00	FE-16148-OVP-B12	1	11.672	12.839	0.75	0.75	1.58	15.21	0.000	0.000	20.22	0.00	0.00
27	128.00	RF4439d-25A	3	11.672	12.839	0.50	0.75	2.82	224.10	0.000	0.000	36.19	0.00	0.00
28	128.00	RF4440d-13A	3	11.672	12.839	0.50	0.75	2.82	210.99	0.000	0.000	36.19	0.00	0.00
29	128.00	MX06FRO660-03	6	11.672	12.839	0.65	0.75	38.64	360.00	0.000	0.000	496.11	0.00	0.00
30	128.00	MT6407-77A	3	11.672	12.839	0.52	0.75	7.39	261.30	0.000	0.000	94.84	0.00	0.00
31	128.00	Andrew - DB846F65ZAXY	3	11.672	12.839	0.70	0.75	14.75	63.00	0.000	0.000	189.40	0.00	0.00
32	128.00	Low Profile Platform	1	11.672	12.839	1.00	1.00	22.00	1500.00	0.000	0.000	282.46	0.00	0.00
33	118.00	P65-16-XLH-RR	3	11.474	12.621	0.63	0.80	15.47	159.00	0.000	0.000	195.26	0.00	0.00
34	118.00	7770	6	11.474	12.621	0.62	0.80	20.33	210.00	0.000	0.000	256.56	0.00	0.00
35	118.00	Low Profile Platform	1	11.474	12.621	0.80	0.80	17.60	1500.00	0.000	0.000	222.13	0.00	0.00
36	118.00	RRUS-11	6	11.474	12.621	0.40	0.80	6.05	306.00	0.000	0.000	76.33	0.00	0.00
37	118.00	LGP21401	6	11.474	12.621	0.54	0.80	4.15	84.60	0.000	0.000	52.36	0.00	0.00
38	118.00	TT19-08BP111-001	3	11.474	12.621	0.54	0.80	1.03	48.00	0.000	0.000	12.99	0.00	0.00
39	118.00	DC6-48-60-18	1	11.474	12.621	0.80	0.80	0.74	31.80	0.000	0.000	9.29	0.00	0.00
40	108.00	Platform Commscope	1	11.262	12.388	1.00	1.00	37.59	1727.00	0.000	0.000	465.66	0.00	0.00
41	108.00	Raycap	1	11.262	12.388	0.59	0.75	1.19	21.90	0.000	0.000	14.75	0.00	0.00
42	108.00	Fujitsu TA08025-B604	3	11.262	12.388	0.50	0.75	2.95	191.70	0.000	0.000	36.60	0.00	0.00
43	108.00	Fujitsu TA08025-B605	3	11.262	12.388	0.50	0.75	2.95	225.00	0.000	0.000	36.60	0.00	0.00
44	108.00	Commscope	3	11.262	12.388	0.55	0.75	20.43	212.40	0.000	0.000	253.08	0.00	0.00
45	75.00	GPS	1	10.430	11.473	1.00	1.00	0.01	3.70	0.000	0.000	0.11	0.00	0.00
							Totals:		**16,537.47**			**6,729.74**		

Total Applied Force Summary

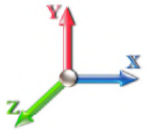
Structure:	CT46131-A-SBA		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Tower Engineering Solutions

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		122.07	2090.26	0.00	0.00
10.00		119.78	2069.69	0.00	0.00
15.00		117.49	2049.12	0.00	0.00
20.00		122.24	2028.54	0.00	0.00
25.00		125.58	2007.97	0.00	0.00
30.00		127.85	1987.40	0.00	0.00
35.00		130.07	1966.82	0.00	0.00
36.00		25.94	390.90	0.00	0.00
39.00		78.67	1167.75	0.00	0.00
40.00		26.23	422.59	0.00	0.00
45.00		132.73	2088.28	0.00	0.00
50.00		132.76	1141.89	0.00	0.00
55.00		132.45	1121.32	0.00	0.00
60.00		131.84	1100.74	0.00	0.00
65.00		130.97	1080.17	0.00	0.00
70.00		129.87	1059.59	0.00	0.00
75.00	(1) attachments	128.68	1042.72	0.00	0.00
79.00		101.65	815.76	0.00	0.00
80.00		25.55	335.66	0.00	0.00
84.00		101.96	1327.57	0.00	0.00
85.00		25.22	174.48	0.00	0.00
90.00		125.65	862.13	0.00	0.00
95.00		123.72	844.98	0.00	0.00
100.00		121.66	827.84	0.00	0.00
105.00		119.47	810.69	0.00	0.00
108.00	(11) attachments	877.15	2856.19	0.00	0.00
110.00		46.45	311.72	0.00	0.00
115.00		114.77	767.30	0.00	0.00
118.00	(26) attachments	892.47	2791.55	0.00	0.00
120.00		44.48	279.27	0.00	0.00
123.00		66.00	413.76	0.00	0.00
125.00		43.44	210.93	0.00	0.00
128.00	(23) attachments	1477.63	3757.99	0.00	0.00
130.00		42.36	178.97	0.00	0.00
135.00		104.20	439.01	0.00	0.00
138.00	(28) attachments	1645.04	3909.14	0.00	0.00
140.00		40.10	151.76	0.00	0.00
145.00		98.41	370.99	0.00	0.00
149.00	(13) attachments	834.88	1656.15	0.00	0.00
150.00		18.78	62.92	0.00	0.00
155.00		92.33	307.38	0.00	0.00
158.00	(28) attachments	1396.24	3530.34	0.00	519.35
	Totals:	**10,494.84**	**52,810.25**	**0.00**	**519.35**

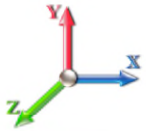
Linear Appurtenance Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.090	0.000	7.442	0.00	62.40
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.090	0.000	7.442	0.00	5.50
5.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.090	0.000	7.442	0.00	778.40
10.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.092	0.000	7.442	0.00	62.40
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.092	0.000	7.442	0.00	5.50
10.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.092	0.000	7.442	0.00	778.40
15.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.094	0.000	7.442	0.00	62.40
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	7.442	0.00	5.50
15.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	7.442	0.00	778.40
20.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.096	0.000	7.896	0.00	62.40
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.096	0.000	7.896	0.00	5.50
20.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.096	0.000	7.896	0.00	778.40
25.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.098	0.000	8.276	0.00	62.40
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.098	0.000	8.276	0.00	5.50
25.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.098	0.000	8.276	0.00	778.40
30.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.100	0.000	8.600	0.00	62.40
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	8.600	0.00	5.50
30.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.100	0.000	8.600	0.00	778.40
35.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.102	1.006	8.883	0.00	62.40
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.006	8.883	0.00	5.50
35.00	1.25" Reinforcing	Yes	5.00	0.000	3.00	1.25	0.00	0.102	1.006	8.883	0.00	778.40
36.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.103	1.010	8.936	0.00	12.48
36.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.103	1.010	8.936	0.00	1.10
36.00	1.25" Reinforcing	Yes	1.00	0.000	3.00	0.25	0.00	0.103	1.010	8.936	0.00	155.68
39.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.104	1.012	9.088	0.00	37.44
39.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.104	1.012	9.088	0.00	3.30
39.00	1.25" Reinforcing	Yes	3.00	0.000	3.00	0.75	0.00	0.104	1.012	9.088	0.00	467.04
40.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.042	0.000	9.137	0.00	12.48
40.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.042	0.000	9.137	0.00	1.10
45.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.042	0.000	9.366	0.00	62.40
45.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	9.366	0.00	5.50
50.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.043	0.000	9.576	0.00	62.40
50.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	9.576	0.00	5.50
55.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.044	0.000	9.770	0.00	62.40
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	9.770	0.00	5.50
60.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.045	0.000	9.951	0.00	62.40
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	9.951	0.00	5.50
65.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.046	0.000	10.120	0.00	62.40
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.046	0.000	10.120	0.00	5.50
70.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.047	0.000	10.279	0.00	62.40
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.047	0.000	10.279	0.00	5.50
75.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.048	0.000	10.430	0.00	62.40
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	10.430	0.00	5.50
79.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.049	0.000	10.544	0.00	49.92
79.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.049	0.000	10.544	0.00	4.40
80.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	10.572	0.00	12.48
80.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	10.572	0.00	1.10

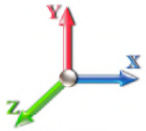
Linear Appurtenance Segment Forces (Factored)

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	0.050	0.000	10.681	0.00	49.92
84.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.050	0.000	10.681	0.00	4.40
85.00	1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	0.050	0.000	10.708	0.00	12.48
85.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.050	0.000	10.708	0.00	1.10
90.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.051	0.000	10.838	0.00	62.40
90.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	10.838	0.00	5.50
95.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.052	0.000	10.962	0.00	62.40
95.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.052	0.000	10.962	0.00	5.50
100.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.054	0.000	11.081	0.00	62.40
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.054	0.000	11.081	0.00	5.50
105.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.055	0.000	11.195	0.00	62.40
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	11.195	0.00	5.50
108.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.057	0.000	11.262	0.00	37.44
108.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.057	0.000	11.262	0.00	3.30
110.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.057	0.000	11.305	0.00	24.96
110.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.057	0.000	11.305	0.00	2.20
115.00	1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	0.059	0.000	11.412	0.00	62.40
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	11.412	0.00	5.50
118.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.060	0.000	11.474	0.00	37.44
118.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.060	0.000	11.474	0.00	3.30
120.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.061	0.000	11.514	0.00	24.96
120.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.061	0.000	11.514	0.00	2.20
123.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.062	0.000	11.574	0.00	37.44
123.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.062	0.000	11.574	0.00	3.30
125.00	1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	0.063	0.000	11.614	0.00	24.96
125.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.063	0.000	11.614	0.00	2.20
128.00	1 5/8" Coax	Yes	3.00	0.000	1.98	0.49	0.00	0.064	0.000	11.672	0.00	37.44
128.00	1 5/8" Hybrid	Yes	3.00	0.000	0.00	0.00	0.00	0.064	0.000	11.672	0.00	3.30
										Totals:	**0.0**	**7,809.8**

Calculated Forces

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Tower Engineering Solutions

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	-52.81	-10.52	0.00	-1249.9	0.00	1249.99	4238.25	2119.12	9474.98	4744.53	0.00	0.000	0.000	0.170
5.00	-50.71	-10.43	0.00	-1197.4	0.00	1197.42	4191.13	2095.57	9193.31	4603.49	0.02	-0.044	0.000	0.166
10.00	-48.63	-10.35	0.00	-1145.2	0.00	1145.26	4142.79	2071.40	8912.98	4463.11	0.09	-0.089	0.000	0.162
15.00	-46.57	-10.26	0.00	-1093.5	0.00	1093.52	4093.23	2046.62	8634.14	4323.49	0.21	-0.134	0.000	0.158
20.00	-44.54	-10.17	0.00	-1042.2	0.00	1042.21	4042.45	2021.22	8356.93	4184.68	0.38	-0.179	0.000	0.155
25.00	-42.52	-10.07	0.00	-991.37	0.00	991.37	3990.44	1995.22	8081.53	4046.77	0.59	-0.224	0.000	0.151
30.00	-40.53	-9.97	0.00	-941.01	0.00	941.01	3937.21	1968.60	7808.07	3909.84	0.85	-0.269	0.000	0.146
35.00	-38.56	-9.84	0.00	-891.19	0.00	891.19	3882.75	1941.38	7536.73	3773.96	1.15	-0.314	0.000	0.142
36.00	-38.16	-9.83	0.00	-881.34	0.00	881.34	3871.71	1935.86	7482.72	3746.92	1.22	-0.323	0.000	0.141
36.00	-38.16	-9.83	0.00	-881.34	0.00	881.34	3871.71	1935.86	7482.72	3746.92	1.22	-0.323	0.000	0.141
39.00	-36.99	-9.76	0.00	-851.86	0.00	851.86	3838.31	1919.15	7321.27	3666.08	1.43	-0.350	0.000	0.242
40.00	-36.56	-9.76	0.00	-842.10	0.00	842.10	3827.07	1913.54	7267.64	3639.22	1.51	-0.366	0.000	0.241
45.00	-34.46	-9.66	0.00	-793.31	0.00	793.31	3812.30	1906.15	7197.58	3604.14	1.93	-0.445	0.000	0.229
50.00	-33.31	-9.56	0.00	-745.03	0.00	745.03	3755.07	1877.54	6931.57	3470.94	2.44	-0.523	0.000	0.224
55.00	-32.17	-9.46	0.00	-697.23	0.00	697.23	3696.63	1848.32	6668.16	3339.04	3.03	-0.599	0.000	0.218
60.00	-31.06	-9.36	0.00	-649.93	0.00	649.93	3636.96	1818.48	6407.52	3208.52	3.69	-0.674	0.000	0.211
65.00	-29.97	-9.25	0.00	-603.16	0.00	603.16	3576.08	1788.04	6149.79	3079.47	4.44	-0.749	0.000	0.204
70.00	-28.90	-9.14	0.00	-556.91	0.00	556.91	3513.96	1756.98	5895.14	2951.95	5.27	-0.823	0.000	0.197
75.00	-27.85	-9.03	0.00	-511.19	0.00	511.19	3450.63	1725.31	5643.71	2826.05	6.17	-0.897	0.000	0.189
79.00	-27.03	-8.93	0.00	-475.07	0.00	475.07	3399.08	1699.54	5445.00	2726.55	6.94	-0.956	0.000	0.182
80.00	-26.69	-8.92	0.00	-466.13	0.00	466.13	3386.07	1693.03	5395.67	2701.84	7.15	-0.971	0.000	0.180
84.00	-25.36	-8.81	0.00	-430.46	0.00	430.46	2492.17	1246.08	3964.65	1985.27	7.99	-1.029	0.000	0.227
85.00	-25.18	-8.80	0.00	-421.65	0.00	421.65	2483.20	1241.60	3929.49	1967.67	8.20	-1.044	0.000	0.224
90.00	-24.31	-8.69	0.00	-377.63	0.00	377.63	2437.73	1218.86	3754.97	1880.28	9.34	-1.123	0.000	0.211
95.00	-23.45	-8.58	0.00	-334.16	0.00	334.16	2391.17	1195.58	3582.65	1793.99	10.56	-1.200	0.000	0.196
100.00	-22.62	-8.47	0.00	-291.24	0.00	291.24	2343.52	1171.76	3412.67	1708.87	11.85	-1.273	0.000	0.180
105.00	-21.80	-8.35	0.00	-248.88	0.00	248.88	2294.79	1147.40	3245.17	1624.99	13.22	-1.341	0.000	0.163
108.00	-18.96	-7.42	0.00	-223.82	0.00	223.82	2265.03	1132.52	3145.91	1575.29	14.08	-1.381	0.000	0.150
110.00	-18.65	-7.38	0.00	-208.98	0.00	208.98	2244.98	1122.49	3080.27	1542.43	14.66	-1.406	0.000	0.144
115.00	-17.88	-7.26	0.00	-172.07	0.00	172.07	2194.08	1097.04	2918.13	1461.23	16.17	-1.464	0.000	0.126
118.00	-15.11	-6.30	0.00	-150.29	0.00	150.29	2163.02	1081.51	2822.22	1413.21	17.10	-1.496	0.000	0.113
120.00	-14.83	-6.26	0.00	-137.69	0.00	137.69	2136.45	1068.22	2751.59	1377.84	17.73	-1.516	0.000	0.107
123.00	-14.41	-6.19	0.00	-118.92	0.00	118.92	2094.98	1047.49	2645.31	1324.62	18.69	-1.545	0.000	0.097
123.00	-14.41	-6.19	0.00	-118.92	0.00	118.92	1330.70	665.35	1690.49	846.50	18.69	-1.545	0.000	0.151
125.00	-14.20	-6.14	0.00	-106.54	0.00	106.54	1319.70	659.85	1654.32	828.39	19.34	-1.562	0.000	0.139
128.00	-10.48	-4.57	0.00	-88.11	0.00	88.11	1302.88	651.44	1600.34	801.36	20.34	-1.596	0.000	0.118
130.00	-10.30	-4.53	0.00	-78.98	0.00	78.98	1291.45	645.73	1564.57	783.45	21.01	-1.616	0.000	0.109
135.00	-9.86	-4.41	0.00	-56.35	0.00	56.35	1262.12	631.06	1475.93	739.06	22.73	-1.659	0.000	0.084
138.00	-6.00	-2.66	0.00	-43.10	0.00	43.10	1244.00	622.00	1423.34	712.73	23.77	-1.680	0.000	0.065
140.00	-5.85	-2.62	0.00	-37.79	0.00	37.79	1231.70	615.85	1388.54	695.30	24.48	-1.692	0.000	0.059
145.00	-5.48	-2.51	0.00	-24.71	0.00	24.71	1200.20	600.10	1302.53	652.23	26.27	-1.716	0.000	0.042
149.00	-3.85	-1.62	0.00	-14.67	0.00	14.67	1174.22	587.11	1234.81	618.32	27.71	-1.730	0.000	0.027
150.00	-3.79	-1.60	0.00	-13.05	0.00	13.05	1167.61	583.81	1218.04	609.93	28.07	-1.733	0.000	0.025
155.00	-3.49	-1.50	0.00	-5.03	0.00	5.03	1133.94	566.97	1135.21	568.45	29.89	-1.742	0.000	0.012
158.00	0.00	-1.40	0.00	-0.52	0.00	0.52	1113.22	556.61	1086.36	543.99	30.99	-1.744	0.000	0.001

Final Analysis Summary

Structure:	CT46131-A-SBA	**Code:**	TIA-222-G	3/7/2022	
Site Name:	Easton-Everetts Rd	**Exposure:**	C		
Height:	158.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

Tower Engineering Solutions

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 93 mph Wind	40.4	0.00	63.31	0.00	0.00	4835.70
0.9D + 1.6W 93 mph Wind	40.4	0.00	47.47	0.00	0.00	4776.91
1.2D + 1.0Di + 1.0Wi 50 mph Wind	12.4	0.00	99.85	0.00	0.00	1499.59
1.2D + 1.0E	2.5	0.00	63.37	0.00	0.00	324.15
0.9D + 1.0E	2.5	0.00	47.53	0.00	0.00	319.79
1.0D + 1.0W 60 mph Wind	10.5	0.00	52.81	0.00	0.00	1249.99

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 93 mph Wind	-43.56	-37.68	0.00	-3301.2	0.00	-3301.2	3838.31	1919.1	7321.27	3666.08	39.00	0.912
0.9D + 1.6W 93 mph Wind	-32.46	-37.40	0.00	-3248.6	0.00	-3248.6	3838.31	1919.1	7321.27	3666.08	39.00	0.895
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-75.44	-11.62	0.00	-1027.1	0.00	-1027.1	3838.31	1919.1	7321.27	3666.08	39.00	0.300
1.2D + 1.0E	-30.61	-2.02	0.00	-134.71	0.00	-134.71	2492.17	1246.0	3964.65	1985.27	84.00	0.080
0.9D + 1.0E	-22.95	-1.98	0.00	-132.19	0.00	-132.19	2492.17	1246.0	3964.65	1985.27	84.00	0.076
1.0D + 1.0W 60 mph Wind	-36.99	-9.76	0.00	-851.86	0.00	-851.86	3838.31	1919.1	7321.27	3666.08	39.00	0.242

Additional Steel Summary

			Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
Elev From (ft)	Elev To (ft)	Member	VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
0.0	36.0	(4) PLT-7.625x1.5(31mm Hol	359.0	5.38	37.1	438.6	37.1	12	15	387.6	37.1	11	12	438.64	503.5	463.76	0.946

Base Plate Summary

Structure:	CT46131-A-SB		**Code:**	TIA-222-G	3/7/2022
Site Name:	Easton-Everetts Rd		**Exposure:**	C	
Height:	158.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	2888.00
Axial (kip):	26.60
Shear (kip):	30.40
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	4835.70
Axial (kip):	63.31
Shear (kip):	40.44

Base Plate	
Yield (ksi):	50.00
Width (in):	60.00
Style:	Clipped
Polygon Sides:	4.00
Clip Length (in):	10.00
Effective Len (in):	8.42
Moment (kip-in):	698.58
Allow Stress (ksi):	67.50
Applied Stress (ksi):	47.25
Stress Ratio:	0.70

Anchor Bolts	
Bolt Circle:	62.00
Number Bolts:	16.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00
Compression	
Force (kip):	193.06
Allowable (kip):	260.00
Ratio:	0.76
Tension	
Force (kip):	180.58
Allowable (kip):	260.00
Ratio:	0.71

Pier Foundation Design For Monopole

				Date
				3/7/2022
Customer Name:	Verizon	**EIA/TIA Standard:**	TIA-222-G
Site Name:		**Structure Height (Ft.):**	158
Site Number:	CT46131-A-SBA	**Engineer Name:**	J. Tibbetts
Engr. Number:	125561	**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	63.3	Shear Force (Kips):	40.4
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4835.7

Foundation Geometries:

Diameter of Pier (ft.):	7.0	Depth of Base B. G. S. :	22.0	ft.
Pier Height A. G. (ft.):	0.50			

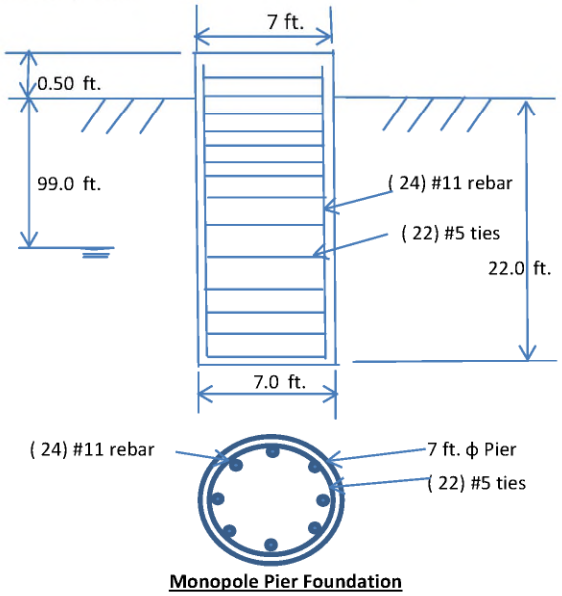
Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield strength:	40	ksi
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	24	Tie Spacing:	18.0	in.
Concrete Cover (in.):	3	Concrete unit weight:	150.0	pcf

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit weight of water:	62.4	psf
Ratio of Uplift/Axial Skin Friction:	1.0	Pullout failure Angle:	30	(°)

Skin Frictions are to be obtained from: Soil Report



Monopole Pier Foundation

Sand

Depth of Layers (ft) Top	Depth of Layers (ft) Bottom	γ_{soil} (pcf)	ϕ (°)	Cohesion (psf)	Ultimate Skin Friction (psf)	Ultimate Bearing (psf)	Soil Types
0.0	4.0	115	0				Sand
4.0	20.0	125	38				Sand
20.0	25.0	125	38				Sand
25.0	30.0						

Soil weight Increase Factor for bouyant soils (1.0 to 1.15): 1.1

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Soil Bearing Strength Reduction Factor:	0.75	
Total Dry Soil Volume from Conical Failure (cu. Ft.):	6770	Dry Soil Weight from Conical Failure:	696	Kips
Total Buoyant Soil Volume from Conical Failure (cu. Ft.):	0	Buoyant Soil Weight from Conical Failure (Ki	0	Kips
Total Dry Concrete Volume (cu. Ft.):	866	Total Dry Concrete Weight:	129.9	Kips
Total Buoyant Concrete Volume (cu. Ft.):	0.0	Total Buoyant Concrete Weight:	0.00	Kips
Total Effective Concrete Weight (Kips):	129.9	Total Effective Soil Weight:	696.2	Kips
Total Effective Vertical Load on Base (Kips):	106.1			

Check Soil Capacities:

					Usage	
Allowable Foundation Overturning Resistance (kips-ft.):	6412.9	>	Design Factored Moment (kips-ft):	5463	0.85	OK!
Factor of Safety of Passive Soil Resistance against Moment:	1.17	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75	
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00	

Reinforcing Concrete Pier:

					Usage	
Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each):	0.31		
Calculated Moment Capacity (Mn,Kips-Ft):	6045.7	>	Design Factored Moment (Mu, K-Ft):	5043.3	0.83	OK!
Calculated Shear Capacity (Kips):	970.0	>	Design Factored Shear (Kips):	540.9	0.56	OK!
Calculated Tension Capacity (Tn, Kips):	2021.8	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7299	>	Design Factored Axial Load (Pu Kips):	63.3	0.01	OK!
Moment & Axial Strength Combination:	0.83	OK!	Max. Allowable Tie/Stirrup Spacing:	5.90	in.	
Pier Reinforcement Ratio:	0.007	Reinforcement Ratio is satisfied per ACI				

Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10117165
Maser Consulting Connecticut Project #: 21777106A (REV 1)

November 23, 2021

Site Information	*Site ID:*	*468248-VZW / EASTON NORTH 2 CT*
	Site Name:	*EASTON NORTH 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*206 Everett RD* *Easton, Connecticut 06612* *Fairfield County*
	Latitude:	*41.290344°*
	Longitude:	*-73.282669°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 2567027

Analysis Results

Platform: **47.9% 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
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Sarah Ali

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 605237, dated November 9, 2021*
Mount Mapping Report	*Structural Components LLC, Site ID: 2567027, dated April 20, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777106A, dated November 15, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777106A, dated November 23, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.985
Seismic Parameters:	S_S:	0.216 g
	S_1:	0.055 g
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
127.50	128.50	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Commscope	TD-850B-LTE78-43	
		3	Andrew	DB846F65ZAXY	Retained

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

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

BASELINE mount weight per SBA agreement: 918.33 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 990.00 lbs

The weights listed above include 3 sectors.

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 in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*17.1 %*	*Pass*
Platform Crossmember	*47.9 %*	*Pass*
Mount Pipe	*47.3 %*	*Pass*
Grating Support	*35.9 %*	*Pass*
Face Horizontal	*13.6 %*	*Pass*
Cross Arm Plate	*29.9 %*	*Pass*
Corner Plate	*30.2 %*	*Pass*
Mod Support Rail Brace	*14.9 %*	*Pass*
Mod Support Rail	*13.0 %*	*Pass*
Mod Kicker Kit	*8.0 %*	*Pass*
Connection Check	*23.3 %*	*Pass*

Structure Rating – ***(Controlling Utilization of all Components)***	**47.9%**

Recommendation:

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

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

Attachments:

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


04.20.2021 11:49

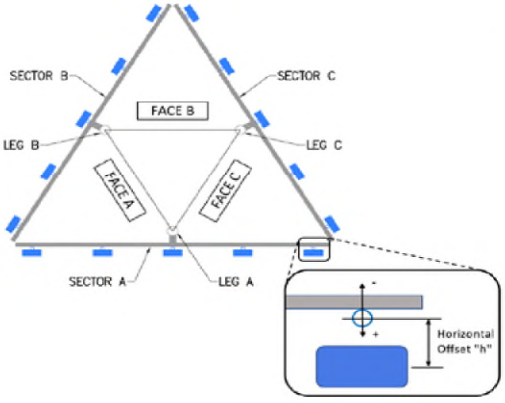

04.20.2021 12:20

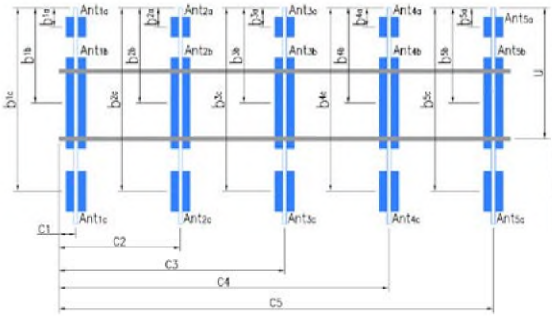
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1270233

Tower Owner:	SBA	**Mapping Date:**	4/20/2021
Site Name:	Easton North 2 CT	**Tower Type:**	Monopole
Site Number or ID:	2567027	**Tower Height (Ft.):**	150
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	120

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	40.25	14.25	C1	2-3/8x .15x 72	41.00	14.50
A2	2-3/8x .15x 72	40.25	74.50	C2	2-3/8x .15x 72	42.25	88.75
A3	2-3/8x .15x 72	40.25	111.75	C3	2-3/8x .15x 72	40.50	126.25
A4	2-3/8x .15x 72	40.25	135.75	C4	2-3/8x .15x 72	40.50	158.25
A5				C5			
A6				C6			
B1	2-3/8x .15x 72	40.00	14.00	D1			
B2	2-3/8x .15x 72	40.00	74.00	D2			
B3	2-3/8x .15x 72	40.00	111.00	D3			
B4	2-3/8x .15x 72	40.00	136.00	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. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	76
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	73

Please enter additional infomation or comments below.

3/8" weld on main standoff

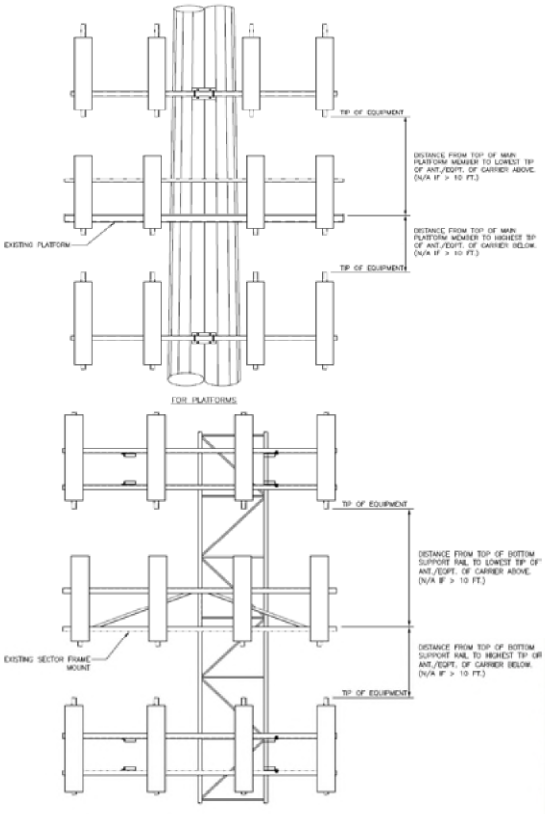
Tower Face Width at Mount Elev. (ft.):	5.125	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	29.38
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			

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}										
Ant_{1b}	unknown	9.50	8.00	72.00	jumpers	120.354	36.00	10.50	30.00	118,120
Ant_{1c}										
Ant_{2a}	bxa-70063-6bf-edin	11.00	5.00	72.00	5/8" TX, ju	120.604	33.00	9.00	30.00	131
Ant_{2b}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.729	19.50	-3.00	30.00	140,190
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	bxa-171063-12bf-edir	6.00	4.00	72.00	5/8" TX, ju	120.438	35.00	9.50	30.00	149, 150
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	9.50	8.00	72.00	jumpers	120.479	34.50	8.25	30.00	158
Ant_{4c}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.542	21.75	-2.75	30.00	161,191
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

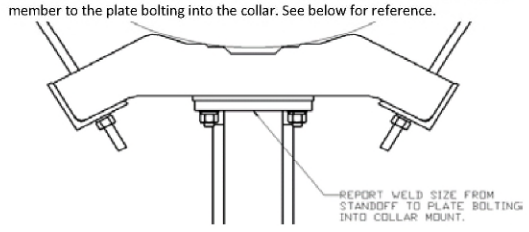
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	345.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	unknown	9.50	8.00	72.00	jumpers	120.375	35.50	8.00	150.00	175
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	5/8" TX, ju	121.833	18.00	12.50	150.00	181,182
Ant_{2c}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.75	19.00	-3.00	150.00	189,191
Ant_{3a}										
Ant_{3b}	bxa-171063-12bf-edir	6.00	4.00	72.00	5/8" TX, ju	120.417	35.00	11.75	150.00	196
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	9.50	8.00	72.00	jumpers	120.438	34.75	18.50	150.00	202
Ant_{4c}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.542	21.50	-2.75	150.00	205,191
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	unknown	9.50	8.00	72.00	jumpers	120.458	35.50	9.50	270.00	217
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	5/8" TX, ju	121.875	19.75	13.00	270.00	220,227
Ant_{2c}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.854	20.00	-2.75	270.00	230,231
Ant_{3a}										
Ant_{3b}	bxa-171063-12bf-edir	6.00	4.00	72.00	5/8" TX, ju	120.5	34.50	9.75	270.00	240
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	unknown	9.50	8.00	72.00	jumpers	120.542	34.00	10.25	270.00	248
Ant_{4c}	rfsm08121160	6.25	0.75	5.00	1) 1-5/8" T	121.625	21.00	-3.00	270.00	251
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

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

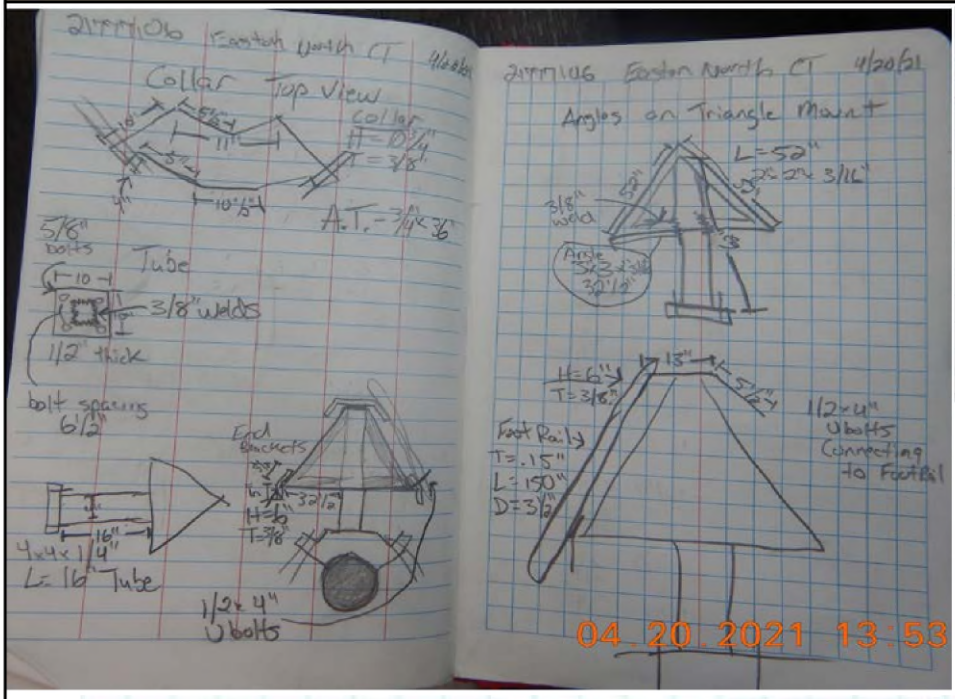
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

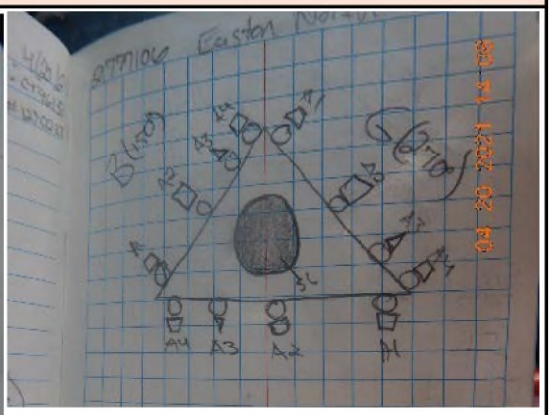
Antenna Mount Mapping Form (PATENT PENDING)

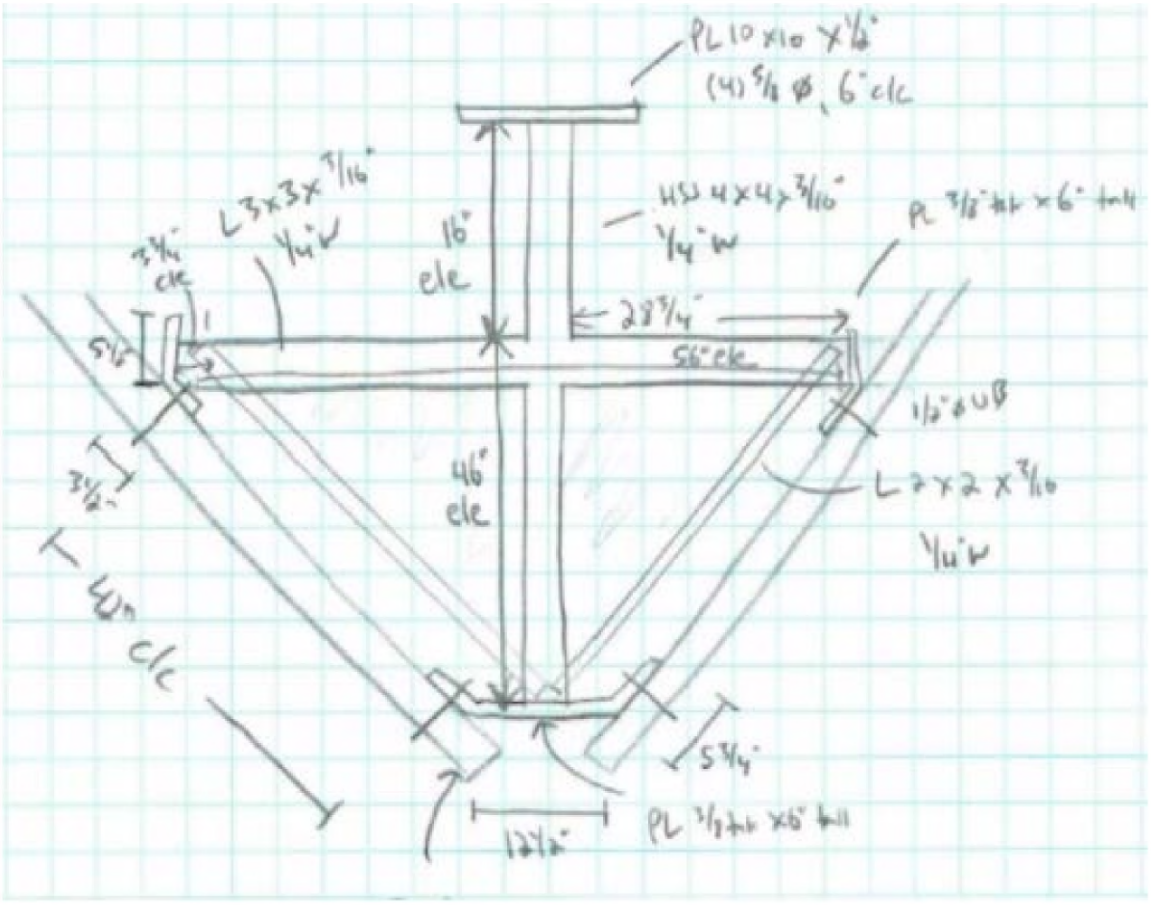
FCC # 1270233

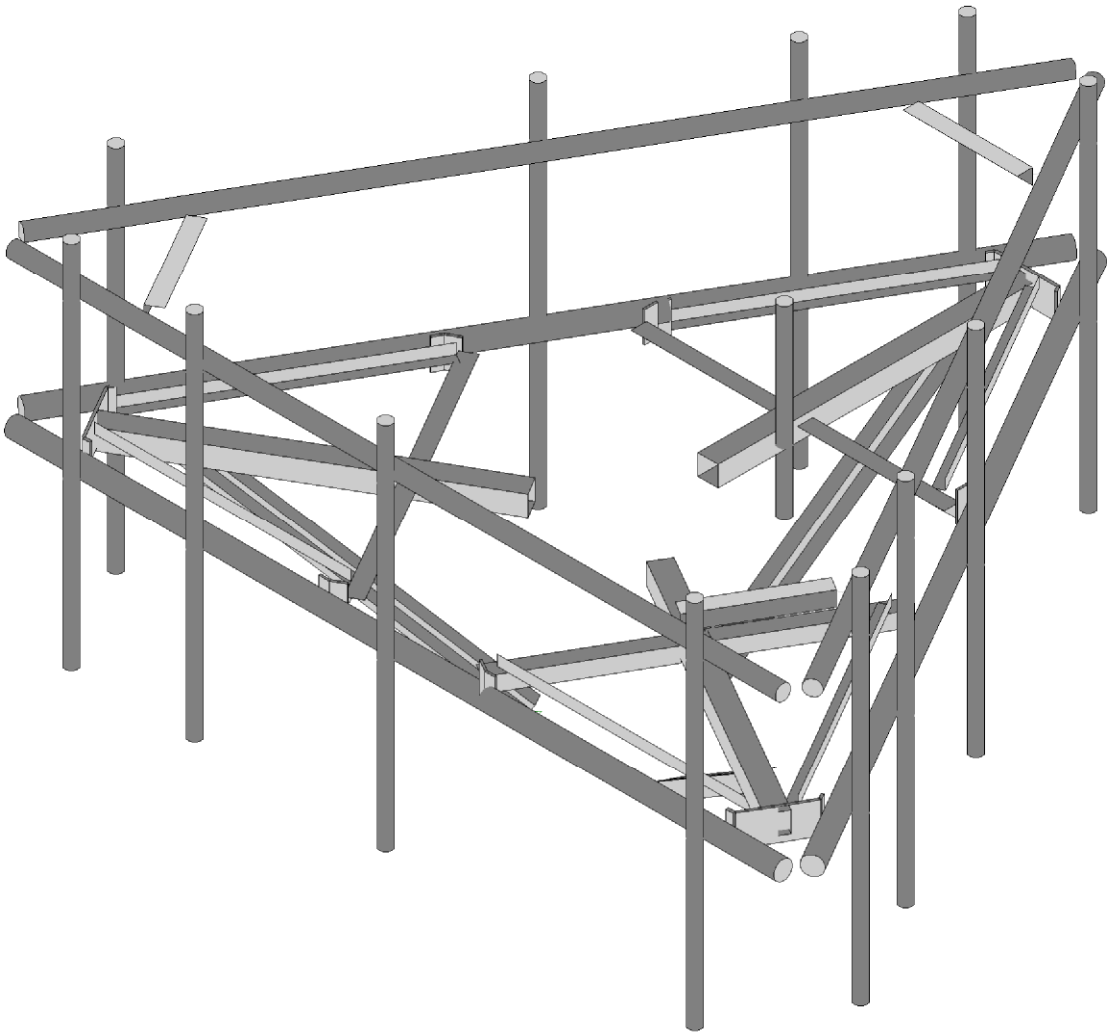
Tower Owner:	SBA	**Mapping Date:**	4/20/2021
Site Name:	Easton North 2 CT	**Tower Type:**	Monopole
Site Number or ID:	2567027	**Tower Height (Ft.):**	150
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	120

Please Insert Sketches of the Antenna Mount



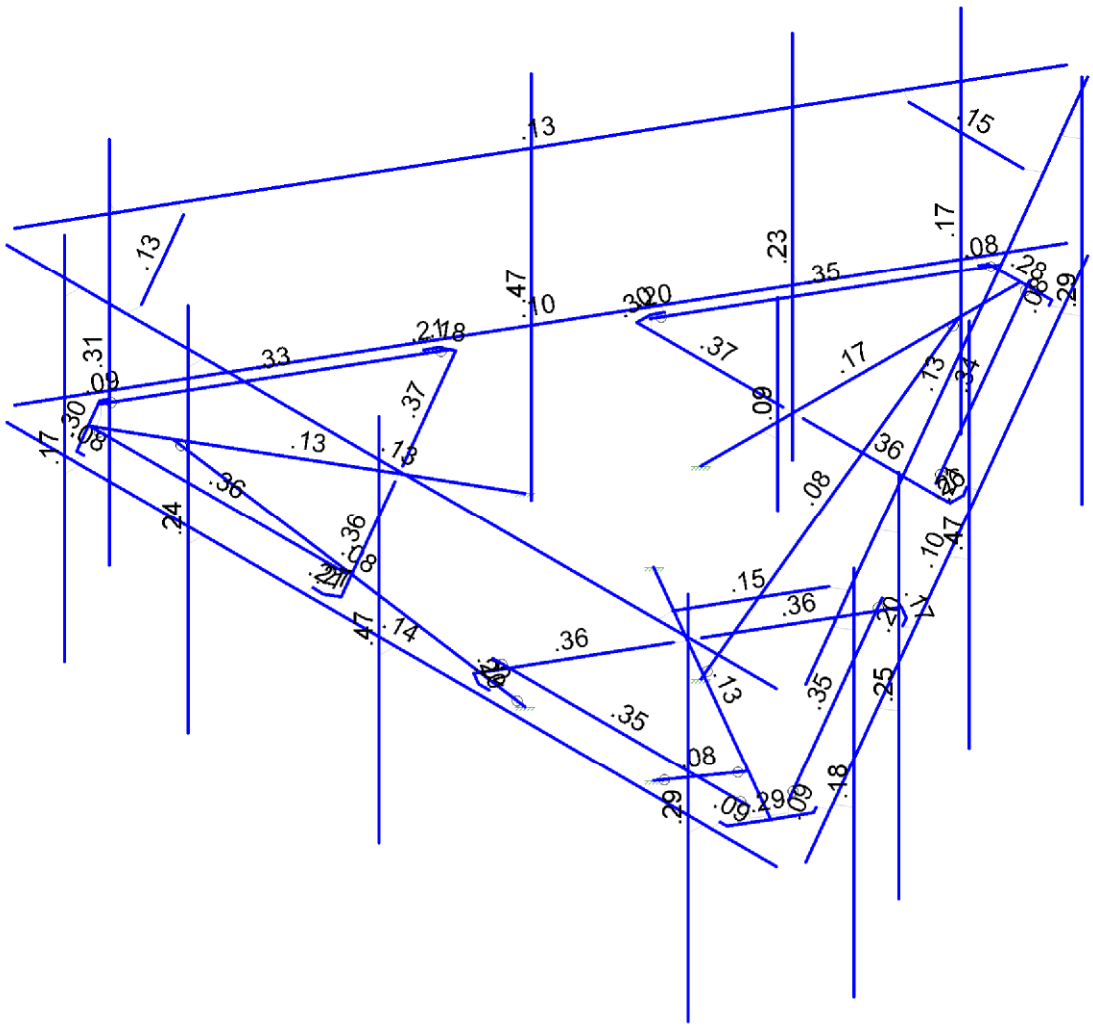






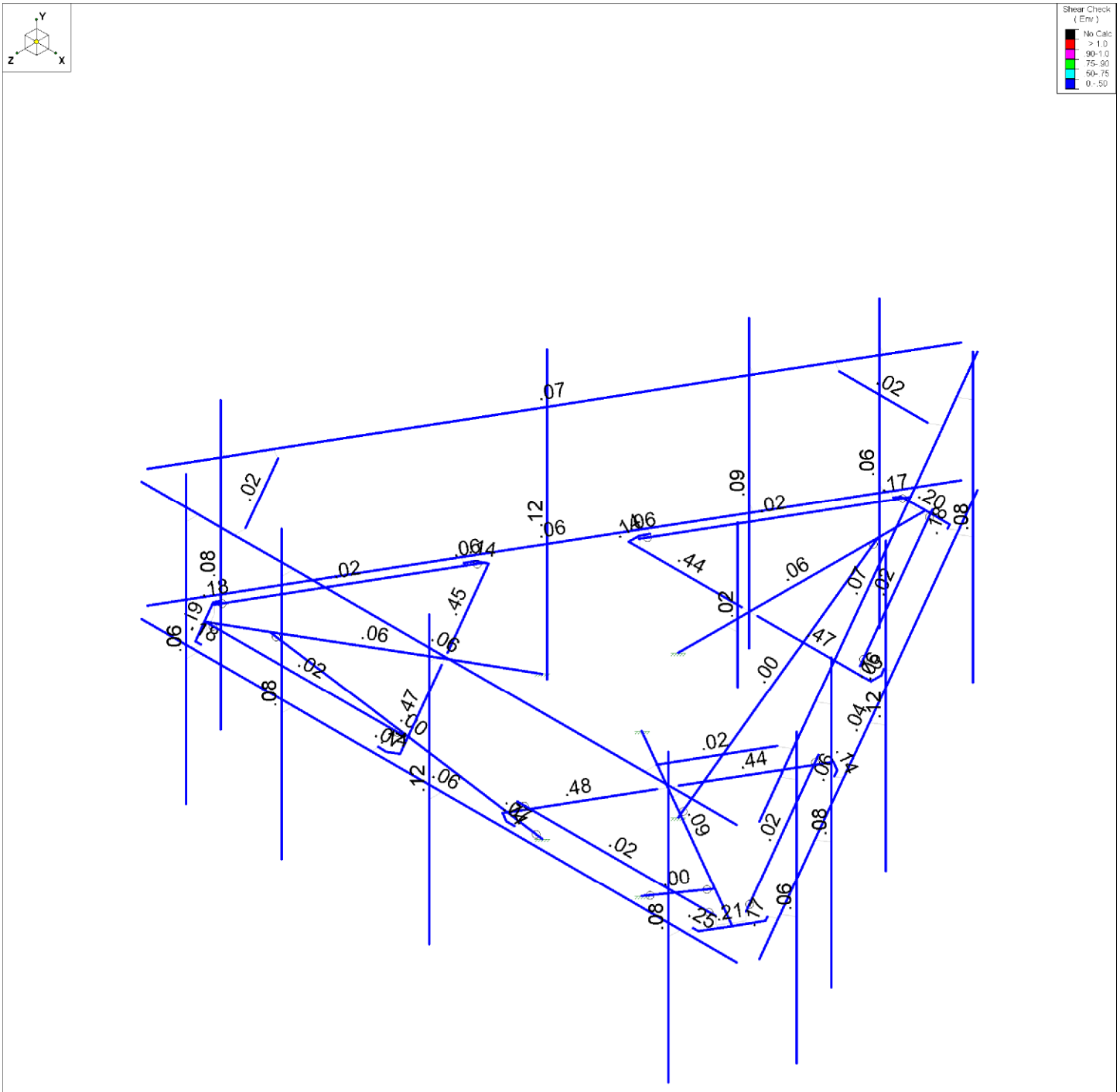
Envelope Only Solution

Maser Consulting	Mount Modification Analysis (REV 1)	SK - 1
SEA		Nov 23, 2021 at 9:08 PM
		MOD_468248-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Modification Analysis (REV 1)	SK - 2
SEA		Nov 23, 2021 at 9:09 PM
		MOD_468248-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Modification Analysis (REV 1)	SK - 3
SEA		Nov 23, 2021 at 9:09 PM
		MOD_468248-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 Deg)	None						122		
46	Structure Wo (150 Deg)	None						122		
47	Structure Wo (180 Deg)	None						122		
48	Structure Wo (210 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
49	Structure Wo (240 Deg)	None						122		
50	Structure Wo (270 Deg)	None						122		
51	Structure Wo (300 Deg)	None						122		
52	Structure Wo (330 Deg)	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		
57	Structure Wi (120 Deg)	None						122		
58	Structure Wi (150 Deg)	None						122		
59	Structure Wi (180 Deg)	None						122		
60	Structure Wi (210 Deg)	None						122		
61	Structure Wi (240 Deg)	None						122		
62	Structure Wi (270 Deg)	None						122		
63	Structure Wi (300 Deg)	None						122		
64	Structure Wi (330 Deg)	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 Deg)	None						122		
67	Structure Wm (60 Deg)	None						122		
68	Structure Wm (90 Deg)	None						122		
69	Structure Wm (120 Deg)	None						122		
70	Structure Wm (150 Deg)	None						122		
71	Structure Wm (180 Deg)	None						122		
72	Structure Wm (210 Deg)	None						122		
73	Structure Wm (240 Deg)	None						122		
74	Structure Wm (270 Deg)	None						122		
75	Structure Wm (300 Deg)	None						122		
76	Structure Wm (330 Deg)	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					102			
82	Antenna Eh (0 Deg)	None					68			
83	Antenna Eh (90 Deg)	None					68			
84	Structure Ev	ELY		-.046						
85	Structure Eh (0 Deg)	ELZ	-.115							
86	Structure Eh (90 Deg)	ELX			.115					
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1												

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
60	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0E...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	5.0625	0	3.810523	0	
8	N9	5.0625	0	4.060523	0	
9	N10	-5.0625	0	3.810523	0	
10	N11	-5.0625	0	4.060523	0	
11	N12	0.041667	0	3.810523	0	
12	N13	0.041667	0	4.060523	0	
13	N14	-3.0625	0	3.810523	0	
14	N15	-3.0625	0	4.060523	0	
15	N16	-3.0625	-2.645833	4.060523	0	
16	N17	-3.0625	3.354167	4.060523	0	
17	N18	-5.0625	-2.645833	4.060523	0	
18	N19	-5.0625	3.354167	4.060523	0	
19	N20	0.041667	-2.645833	4.060523	0	
20	N21	0.041667	3.354167	4.060523	0	
21	N22	5.0625	-2.645833	4.060523	0	
22	N23	5.0625	3.354167	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N109A	0.76876	0	-6.289515	0	
109	N110A	0.985266	0	-6.414515	0	
110	N111A	5.83126	0	2.478992	0	
111	N112A	6.047766	0	2.353992	0	
112	N113A	3.279177	0	-1.941346	0	
113	N114A	3.495683	0	-2.066346	0	
114	N115A	4.83126	0	0.746941	0	
115	N116A	5.047766	0	0.621941	0	
116	N117A	5.047766	-2.645833	0.621941	0	
117	N118A	5.047766	3.354167	0.621941	0	
118	N119A	6.047766	-2.645833	2.353992	0	
119	N120A	6.047766	3.354167	2.353992	0	
120	N121A	3.495683	-2.645833	-2.066346	0	
121	N122A	3.495683	3.354167	-2.066346	0	
122	N123A	0.985266	-2.645833	-6.414515	0	
123	N124B	0.985266	3.354167	-6.414515	0	
124	N126A	-5.83126	0	2.478992	0	
125	N127A	-6.047766	0	2.353992	0	
126	N128A	-0.76876	0	-6.289515	0	
127	N129A	-0.985266	0	-6.414515	0	
128	N130A	-3.320843	0	-1.869177	0	
129	N131B	-3.53735	0	-1.994177	0	
130	N132A	-1.76876	0	-4.557464	0	
131	N133A	-1.985266	0	-4.682464	0	
132	N134A	-1.985266	-2.645833	-4.682464	0	
133	N135B	-1.985266	3.354167	-4.682464	0	
134	N136A	-0.985266	-2.645833	-6.414515	0	
135	N137A	-0.985266	3.354167	-6.414515	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
136	N138A	-3.53735	-2.645833	-1.994177	0	
137	N139A	-3.53735	3.354167	-1.994177	0	
138	N140A	-6.047766	-2.645833	2.353992	0	
139	N141A	-6.047766	3.354167	2.353992	0	
140	N141B	0	0	-2.208333	0	
141	N142A	.25	0	-2.208333	0	
142	N143	.25	2	-2.208333	0	
143	N144A	.25	-1	-2.208333	0	
144	N144B	6.25	2.5	3.810523	0	
145	N145	-6.25	2.5	3.810523	0	
146	N146	5.0625	2.5	3.810523	0	
147	N147	5.0625	2.5	4.060523	0	
148	N148A	-5.0625	2.5	3.810523	0	
149	N149	-5.0625	2.5	4.060523	0	
150	N150	0.041667	2.5	3.810523	0	
151	N151	0.041667	2.5	4.060523	0	
152	N152	-3.0625	2.5	3.810523	0	
153	N153	-3.0625	2.5	4.060523	0	
154	N154	0.17501	2.5	-7.31792	0	
155	N155	6.42501	2.5	3.507397	0	
156	N156	-6.42501	2.5	3.507397	0	
157	N157	-0.17501	2.5	-7.31792	0	
158	N158	0.76876	2.5	-6.289515	0	
159	N159	0.985266	2.5	-6.414515	0	
160	N160	5.83126	2.5	2.478992	0	
161	N161	6.047766	2.5	2.353992	0	
162	N162	3.279177	2.5	-1.941346	0	
163	N163	3.495683	2.5	-2.066346	0	
164	N164	4.83126	2.5	0.746941	0	
165	N165	5.047766	2.5	0.621941	0	
166	N166	-5.83126	2.5	2.478992	0	
167	N167	-6.047766	2.5	2.353992	0	
168	N168	-0.76876	2.5	-6.289515	0	
169	N169	-0.985266	2.5	-6.414515	0	
170	N170	-3.320843	2.5	-1.869177	0	
171	N171	-3.53735	2.5	-1.994177	0	
172	N172	-1.76876	2.5	-4.557464	0	
173	N173	-1.985266	2.5	-4.682464	0	
174	N174	-4.3125	2.5	3.810523	0	
175	N175	4.3125	2.5	3.810523	0	
176	N176	-4.3125	2.5	3.560523	0	
177	N177	4.3125	2.5	3.560523	0	
178	N178	5.45626	2.5	1.829473	0	
179	N179	1.14376	2.5	-5.639996	0	
180	N180	5.239754	2.5	1.954473	0	
181	N181	0.927254	2.5	-5.514996	0	
182	N182	-1.14376	2.5	-5.639996	0	
183	N183	-5.45626	2.5	1.829473	0	
184	N184	-0.927254	2.5	-5.514996	0	
185	N185	-5.239754	2.5	1.954473	0	
186	N186	0	0	-5.395833	0	
187	N187	0	-3	-1.208333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
188	N188	-4.672929	0	2.697917	0	
189	N189	-1.046447	-3	0.604167	0	
190	N190	4.672929	0	2.697917	0	
191	N191	1.046447	-3	0.604167	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B Re...	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	L3X3X3	Beam	Single Angle	A36 Gr.36	Typical	1.09	.948	.948	.014
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	MOD SUPPORT RAIL	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD SUPPORT RAIL...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	MOD KICKER KIT	LL3x3x3x3	Beam	Double Angle (3/8 ...	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	Standoff Ho...	5.188			Lbyy						Lateral
2	M52A	Standoff Ho...	5.188			Lbyy						Lateral
3	M76A	Standoff Ho...	5.188			Lbyy						Lateral
4	M10	Platform Cr...	2.375			Lbyy						Lateral
5	M43	Platform Cr...	2.375			Lbyy						Lateral
6	M53	Platform Cr...	2.375			Lbyy						Lateral
7	M54	Platform Cr...	2.375			Lbyy						Lateral
8	M77A	Platform Cr...	2.375			Lbyy						Lateral
9	M78	Platform Cr...	2.375			Lbyy						Lateral
10	M100	OVP Pipe	3									Lateral
11	MP3A	Mount Pipe	6			Lbyy						Lateral
12	MP4A	Mount Pipe	6			Lbyy						Lateral
13	MP2A	Mount Pipe	6			Lbyy						Lateral
14	MP1A	Mount Pipe	6			Lbyy						Lateral
15	MP3B	Mount Pipe	6			Lbyy						Lateral
16	MP4B	Mount Pipe	6			Lbyy						Lateral
17	MP2B	Mount Pipe	6			Lbyy						Lateral
18	MP1B	Mount Pipe	6			Lbyy						Lateral
19	MP3C	Mount Pipe	6			Lbyy						Lateral
20	MP4C	Mount Pipe	6			Lbyy						Lateral
21	MP2C	Mount Pipe	6			Lbyy						Lateral
22	MP1C	Mount Pipe	6			Lbyy						Lateral
23	M123	MOD SUPP...	1.855			Lbyy						Lateral
24	M124	MOD SUPP...	1.855			Lbyy						Lateral
25	M125	MOD SUPP...	1.855			Lbyy						Lateral
26	M102	MOD SUPP...	12.5			Lbyy						Lateral
27	M107	MOD SUPP...	12.5			Lbyy						Lateral
28	M108	MOD SUPP...	12.5			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
29	M126	MOD KICK...	5.151			Lbyy						Lateral
30	M127	MOD KICK...	5.151			Lbyy						Lateral
31	M128	MOD KICK...	5.151			Lbyy						Lateral
32	M51B	Grating Sup...	4.162			Lbyy						Lateral
33	M52B	Grating Sup...	4.162			Lbyy						Lateral
34	M58A	Grating Sup...	4.162			Lbyy						Lateral
35	M59A	Grating Sup...	4.162			Lbyy						Lateral
36	M82	Grating Sup...	4.162			Lbyy						Lateral
37	M83A	Grating Sup...	4.162			Lbyy						Lateral
38	M1	Face Horizo...	12.5			Lbyy						Lateral
39	M82A	Face Horizo...	12.5			Lbyy						Lateral
40	M91B	Face Horizo...	12.5			Lbyy						Lateral
41	M76	Cross Arm ...	.219									Lateral
42	M77	Cross Arm ...	.167									Lateral
43	M84	Cross Arm ...	.219									Lateral
44	M85	Cross Arm ...	.167									Lateral
45	M63	Cross Arm ...	.219									Lateral
46	M64	Cross Arm ...	.167									Lateral
47	M68	Cross Arm ...	.219									Lateral
48	M69	Cross Arm ...	.167									Lateral
49	M87	Cross Arm ...	.219									Lateral
50	M88A	Cross Arm ...	.167									Lateral
51	M92A	Cross Arm ...	.219									Lateral
52	M93	Cross Arm ...	.167									Lateral
53	M46	Corner Plate	1.031			Lbyy						Lateral
54	M80	Corner Plate	.112			Lbyy						Lateral
55	M91	Corner Plate	.112			Lbyy						Lateral
56	M55	Corner Plate	1.031			Lbyy						Lateral
57	M66	Corner Plate	.112			Lbyy						Lateral
58	M71	Corner Plate	.112			Lbyy						Lateral
59	M79A	Corner Plate	1.031			Lbyy						Lateral
60	M90	Corner Plate	.112			Lbyy						Lateral
61	M95	Corner Plate	.112			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr...	Typical
2	M52A	N87D	N92			Standoff Horizontal	Beam	SquareTube	A500 Gr...	Typical
3	M76A	N115	N120			Standoff Horizontal	Beam	SquareTube	A500 Gr...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M79	N131	N86A			RIGID	None	None	RIGID	Typical
14	M83	N135	N86D			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
15	M88	N144	N86B			RIGID	None	None	RIGID	Typical
16	M92	N148	N86E			RIGID	None	None	RIGID	Typical
17	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
18	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
19	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
20	M56	N90	N94			RIGID	None	None	RIGID	Typical
21	M57	N89	N93			RIGID	None	None	RIGID	Typical
22	M60	N113	N114			RIGID	None	None	RIGID	Typical
23	M61	N96	N91			RIGID	None	None	RIGID	Typical
24	M62	N91	N97			RIGID	None	None	RIGID	Typical
25	M65	N100	N104			RIGID	None	None	RIGID	Typical
26	M67	N101A	N108			RIGID	None	None	RIGID	Typical
27	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
28	M72	N103	N109			RIGID	None	None	RIGID	Typical
29	M73	N114	N110			RIGID	None	None	RIGID	Typical
30	M74	N110	N112			RIGID	None	None	RIGID	Typical
31	M75	N111	N112			RIGID	None	None	RIGID	Typical
32	M80A	N118	N122			RIGID	None	None	RIGID	Typical
33	M81	N117	N121			RIGID	None	None	RIGID	Typical
34	M84A	N141	N142			RIGID	None	None	RIGID	Typical
35	M85A	N124	N119			RIGID	None	None	RIGID	Typical
36	M86	N119	N125			RIGID	None	None	RIGID	Typical
37	M89	N128	N132			RIGID	None	None	RIGID	Typical
38	M91A	N129	N136			RIGID	None	None	RIGID	Typical
39	M94	N130	N133			RIGID	None	None	RIGID	Typical
40	M96	N131A	N137			RIGID	None	None	RIGID	Typical
41	M97	N142	N138			RIGID	None	None	RIGID	Typical
42	M98	N138	N140			RIGID	None	None	RIGID	Typical
43	M99	N139	N140			RIGID	None	None	RIGID	Typical
44	M84B	N109A	N110A			RIGID	None	None	RIGID	Typical
45	M85B	N111A	N112A			RIGID	None	None	RIGID	Typical
46	M86A	N113A	N114A			RIGID	None	None	RIGID	Typical
47	M87A	N115A	N116A			RIGID	None	None	RIGID	Typical
48	M92B	N126A	N127A			RIGID	None	None	RIGID	Typical
49	M93A	N128A	N129A			RIGID	None	None	RIGID	Typical
50	M94A	N130A	N131B			RIGID	None	None	RIGID	Typical
51	M95A	N132A	N133A			RIGID	None	None	RIGID	Typical
52	M101	N141B	N142A			RIGID	None	None	RIGID	Typical
53	M103	N146	N147			RIGID	None	None	RIGID	Typical
54	M104	N148A	N149			RIGID	None	None	RIGID	Typical
55	M105	N150	N151			RIGID	None	None	RIGID	Typical
56	M106	N152	N153			RIGID	None	None	RIGID	Typical
57	M109	N158	N159			RIGID	None	None	RIGID	Typical
58	M110	N160	N161			RIGID	None	None	RIGID	Typical
59	M111	N162	N163			RIGID	None	None	RIGID	Typical
60	M112	N164	N165			RIGID	None	None	RIGID	Typical
61	M113	N166	N167			RIGID	None	None	RIGID	Typical
62	M114	N168	N169			RIGID	None	None	RIGID	Typical
63	M115	N170	N171			RIGID	None	None	RIGID	Typical
64	M116	N172	N173			RIGID	None	None	RIGID	Typical
65	M10	N101	N103A		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical
66	M43	N102	N5		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
67	M53	N95	N97		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical
68	M54	N96	N88B		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical
69	M77A	N123	N125		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical
70	M78	N124	N116		180	Platform Crossmember	Beam	Single Angle	A36 Gr....	Typical
71	M100	N143	N144A			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
72	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
73	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
74	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
75	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
76	MP3B	N118A	N117A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	MP4B	N120A	N119A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	MP2B	N122A	N121A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
79	MP1B	N124B	N123A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	MP3C	N135B	N134A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP4C	N137A	N136A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP2C	N139A	N138A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP1C	N141A	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M123	N176	N185		90	MOD SUPPORT RAIL BRACE	Beam	Single Angle	A36 Gr....	Typical
85	M124	N184	N181		90	MOD SUPPORT RAIL BRACE	Beam	Single Angle	A36 Gr....	Typical
86	M125	N180	N177		90	MOD SUPPORT RAIL BRACE	Beam	Single Angle	A36 Gr....	Typical
87	M102	N144B	N145			MOD SUPPORT RAIL	Column	Pipe	A53 Gr.B	Typical
88	M107	N154	N155			MOD SUPPORT RAIL	Column	Pipe	A53 Gr.B	Typical
89	M108	N156	N157			MOD SUPPORT RAIL	Column	Pipe	A53 Gr.B	Typical
90	M117	N174	N176			RIGID	None	None	RIGID	Typical
91	M118	N175	N177			RIGID	None	None	RIGID	Typical
92	M119	N178	N180			RIGID	None	None	RIGID	Typical
93	M120	N179	N181			RIGID	None	None	RIGID	Typical
94	M121	N182	N184			RIGID	None	None	RIGID	Typical
95	M122	N183	N185			RIGID	None	None	RIGID	Typical
96	M126	N186	N187			MOD KICKER KIT	Beam	Double Ang...	A36 Gr....	Typical
97	M127	N188	N189			MOD KICKER KIT	Beam	Double Ang...	A36 Gr....	Typical
98	M128	N190	N191			MOD KICKER KIT	Beam	Double Ang...	A36 Gr....	Typical
99	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr....	Typical
100	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr....	Typical
101	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr....	Typical
102	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr....	Typical
103	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr....	Typical
104	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr....	Typical
105	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
106	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
107	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
108	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
109	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
110	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
111	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
112	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
113	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
114	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
115	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
116	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
117	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
118	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr....	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
119	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr....	Typical
120	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr....	Typical
121	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr....	Typical
122	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr....	Typical
123	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr....	Typical
124	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr....	Typical
125	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr....	Typical
126	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr....	Typical
127	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr....	Typical
128	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr....	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M52A						Yes				None
3	M76A						Yes				None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M52						Yes	** NA **			None
11	M58						Yes	** NA **			None
12	M59						Yes	** NA **			None
13	M79		BenPIN				Yes	** NA **			None
14	M83		BenPIN				Yes	** NA **			None
15	M88		BenPIN				Yes	** NA **			None
16	M92		BenPIN				Yes	** NA **			None
17	M50						Yes	** NA **			None
18	M51						Yes	** NA **			None
19	M51A						Yes	** NA **			None
20	M56						Yes	** NA **			None
21	M57						Yes	** NA **			None
22	M60						Yes	** NA **			None
23	M61						Yes	** NA **			None
24	M62						Yes	** NA **			None
25	M65		BenPIN				Yes	** NA **			None
26	M67		BenPIN				Yes	** NA **			None
27	M70		BenPIN				Yes	** NA **			None
28	M72		BenPIN				Yes	** NA **			None
29	M73						Yes	** NA **			None
30	M74						Yes	** NA **			None
31	M75						Yes	** NA **			None
32	M80A						Yes	** NA **			None
33	M81						Yes	** NA **			None
34	M84A						Yes	** NA **			None
35	M85A						Yes	** NA **			None
36	M86						Yes	** NA **			None
37	M89		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
38	M91A		BenPIN				Yes	** NA **			None
39	M94		BenPIN				Yes	** NA **			None
40	M96		BenPIN				Yes	** NA **			None
41	M97						Yes	** NA **			None
42	M98						Yes	** NA **			None
43	M99						Yes	** NA **			None
44	M84B						Yes	** NA **			None
45	M85B						Yes	** NA **			None
46	M86A						Yes	** NA **			None
47	M87A						Yes	** NA **			None
48	M92B						Yes	** NA **			None
49	M93A						Yes	** NA **			None
50	M94A						Yes	** NA **			None
51	M95A						Yes	** NA **			None
52	M101						Yes	** NA **			None
53	M103						Yes	** NA **			None
54	M104						Yes	** NA **			None
55	M105						Yes	** NA **			None
56	M106						Yes	** NA **			None
57	M109						Yes	** NA **			None
58	M110						Yes	** NA **			None
59	M111						Yes	** NA **			None
60	M112						Yes	** NA **			None
61	M113						Yes	** NA **			None
62	M114						Yes	** NA **			None
63	M115						Yes	** NA **			None
64	M116						Yes	** NA **			None
65	M10						Yes	Default			None
66	M43						Yes	Default			None
67	M53						Yes	Default			None
68	M54						Yes	Default			None
69	M77A						Yes	Default			None
70	M78						Yes	Default			None
71	M100						Yes	** NA **			None
72	MP3A						Yes	** NA **			None
73	MP4A						Yes	** NA **			None
74	MP2A						Yes	** NA **			None
75	MP1A						Yes	** NA **			None
76	MP3B						Yes	** NA **			None
77	MP4B						Yes	** NA **			None
78	MP2B						Yes	** NA **			None
79	MP1B						Yes	** NA **			None
80	MP3C						Yes	** NA **			None
81	MP4C						Yes	** NA **			None
82	MP2C						Yes	** NA **			None
83	MP1C						Yes	** NA **			None
84	M123						Yes				None
85	M124						Yes				None
86	M125						Yes				None
87	M102						Yes	** NA **			None
88	M107						Yes	** NA **			None
89	M108						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
90	M117	OOOOOX					Yes	** NA **			None
91	M118	OOOOOX					Yes	** NA **			None
92	M119	OOOOOX					Yes	** NA **			None
93	M120	OOOOOX					Yes	** NA **			None
94	M121	OOOOOX					Yes	** NA **			None
95	M122	OOOOOX					Yes	** NA **			None
96	M126	BenPIN	BenPIN				Yes				None
97	M127	BenPIN	BenPIN				Yes				None
98	M128	BenPIN	BenPIN				Yes				None
99	M51B	OOOOOX	OOOOOX				Yes	Default			None
100	M52B	OOOOOX	OOOOOX				Yes	Default			None
101	M58A	OOOOOX	OOOOOX				Yes	Default			None
102	M59A	OOOOOX	OOOOOX				Yes	Default			None
103	M82	OOOOOX	OOOOOX				Yes	Default			None
104	M83A	OOOOOX	OOOOOX				Yes	Default			None
105	M1						Yes	Default			None
106	M82A						Yes	Default			None
107	M91B						Yes	Default			None
108	M76						Yes	** NA **			None
109	M77						Yes	** NA **			None
110	M84						Yes	** NA **			None
111	M85						Yes	** NA **			None
112	M63						Yes	** NA **			None
113	M64						Yes	** NA **			None
114	M68						Yes	** NA **			None
115	M69						Yes	** NA **			None
116	M87						Yes	** NA **			None
117	M88A						Yes	** NA **			None
118	M92A						Yes	** NA **			None
119	M93						Yes	** NA **			None
120	M46						Yes	Default			None
121	M80						Yes				None
122	M91						Yes				None
123	M55						Yes	Default			None
124	M66						Yes				None
125	M71						Yes				None
126	M79A						Yes	Default			None
127	M90						Yes				None
128	M95						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-52.9	2.25
2	MP2A	My	.022	2.25
3	MP2A	Mz	0	2.25
4	MP2B	Y	-52.9	2.25
5	MP2B	My	-.008	2.25
6	MP2B	Mz	.021	2.25
7	MP2C	Y	-52.9	2.25
8	MP2C	My	-.014	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2C	Mz	-.017	2.25
10	MP1A	Y	-10.5	.5
11	MP1A	My	-.005	.5
12	MP1A	Mz	0	.5
13	MP1A	Y	-10.5	5.5
14	MP1A	My	-.005	5.5
15	MP1A	Mz	0	5.5
16	MP1B	Y	-10.5	.5
17	MP1B	My	.002	.5
18	MP1B	Mz	-.005	.5
19	MP1B	Y	-10.5	5.5
20	MP1B	My	.002	5.5
21	MP1B	Mz	-.005	5.5
22	MP1C	Y	-10.5	.5
23	MP1C	My	.003	.5
24	MP1C	Mz	.004	.5
25	MP1C	Y	-10.5	5.5
26	MP1C	My	.003	5.5
27	MP1C	Mz	.004	5.5
28	MP2A	Y	-23	.5
29	MP2A	My	-.011	.5
30	MP2A	Mz	-.016	.5
31	MP2A	Y	-23	5.5
32	MP2A	My	-.011	5.5
33	MP2A	Mz	-.016	5.5
34	MP2B	Y	-23	.5
35	MP2B	My	.019	.5
36	MP2B	Mz	-.005	.5
37	MP2B	Y	-23	5.5
38	MP2B	My	.019	5.5
39	MP2B	Mz	-.005	5.5
40	MP2C	Y	-23	.5
41	MP2C	My	-.005	.5
42	MP2C	Mz	.019	.5
43	MP2C	Y	-23	5.5
44	MP2C	My	-.005	5.5
45	MP2C	Mz	.019	5.5
46	MP2A	Y	-23	.5
47	MP2A	My	-.011	.5
48	MP2A	Mz	.016	.5
49	MP2A	Y	-23	5.5
50	MP2A	My	-.011	5.5
51	MP2A	Mz	.016	5.5
52	MP2B	Y	-23	.5
53	MP2B	My	-.011	.5
54	MP2B	Mz	-.016	.5
55	MP2B	Y	-23	5.5
56	MP2B	My	-.011	5.5
57	MP2B	Mz	-.016	5.5
58	MP2C	Y	-23	.5
59	MP2C	My	.02	.5
60	MP2C	Mz	-.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	Y	-23	5.5
62	MP2C	My	.02	5.5
63	MP2C	Mz	-.002	5.5
64	MP3A	Y	-43.55	2
65	MP3A	My	-.022	2
66	MP3A	Mz	0	2
67	MP3A	Y	-43.55	4
68	MP3A	My	-.022	4
69	MP3A	Mz	0	4
70	MP3B	Y	-43.55	2
71	MP3B	My	.007	2
72	MP3B	Mz	-.02	2
73	MP3B	Y	-43.55	4
74	MP3B	My	.007	4
75	MP3B	Mz	-.02	4
76	MP3C	Y	-43.55	2
77	MP3C	My	-.019	2
78	MP3C	Mz	.011	2
79	MP3C	Y	-43.55	4
80	MP3C	My	-.019	4
81	MP3C	Mz	.011	4
82	M100	Y	-32	1
83	M100	My	0	1
84	M100	Mz	0	1
85	MP1A	Y	-74.7	2.25
86	MP1A	My	.037	2.25
87	MP1A	Mz	0	2.25
88	MP1B	Y	-74.7	2.25
89	MP1B	My	-.013	2.25
90	MP1B	Mz	.035	2.25
91	MP1C	Y	-74.7	2.25
92	MP1C	My	-.024	2.25
93	MP1C	Mz	-.029	2.25
94	MP3A	Y	-70.3	2.25
95	MP3A	My	.035	2.25
96	MP3A	Mz	0	2.25
97	MP3B	Y	-70.3	2.25
98	MP3B	My	-.012	2.25
99	MP3B	Mz	.033	2.25
100	MP3C	Y	-70.3	2.25
101	MP3C	My	-.023	2.25
102	MP3C	Mz	-.027	2.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-37.038	2.25
2	MP2A	My	.015	2.25
3	MP2A	Mz	0	2.25
4	MP2B	Y	-37.038	2.25
5	MP2B	My	-.005	2.25
6	MP2B	Mz	.015	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2C	Y	-37.038	2.25
8	MP2C	My	-.01	2.25
9	MP2C	Mz	-.012	2.25
10	MP1A	Y	-58.706	.5
11	MP1A	My	-.029	.5
12	MP1A	Mz	0	.5
13	MP1A	Y	-58.706	5.5
14	MP1A	My	-.029	5.5
15	MP1A	Mz	0	5.5
16	MP1B	Y	-58.706	.5
17	MP1B	My	.01	.5
18	MP1B	Mz	-.028	.5
19	MP1B	Y	-58.706	5.5
20	MP1B	My	.01	5.5
21	MP1B	Mz	-.028	5.5
22	MP1C	Y	-58.706	.5
23	MP1C	My	.019	.5
24	MP1C	Mz	.022	.5
25	MP1C	Y	-58.706	5.5
26	MP1C	My	.019	5.5
27	MP1C	Mz	.022	5.5
28	MP2A	Y	-81.748	.5
29	MP2A	My	-.041	.5
30	MP2A	Mz	-.058	.5
31	MP2A	Y	-81.748	5.5
32	MP2A	My	-.041	5.5
33	MP2A	Mz	-.058	5.5
34	MP2B	Y	-81.748	.5
35	MP2B	My	.068	.5
36	MP2B	Mz	-.019	.5
37	MP2B	Y	-81.748	5.5
38	MP2B	My	.068	5.5
39	MP2B	Mz	-.019	5.5
40	MP2C	Y	-81.748	.5
41	MP2C	My	-.018	.5
42	MP2C	Mz	.069	.5
43	MP2C	Y	-81.748	5.5
44	MP2C	My	-.018	5.5
45	MP2C	Mz	.069	5.5
46	MP2A	Y	-81.748	.5
47	MP2A	My	-.041	.5
48	MP2A	Mz	.058	.5
49	MP2A	Y	-81.748	5.5
50	MP2A	My	-.041	5.5
51	MP2A	Mz	.058	5.5
52	MP2B	Y	-81.748	.5
53	MP2B	My	-.04	.5
54	MP2B	Mz	-.058	.5
55	MP2B	Y	-81.748	5.5
56	MP2B	My	-.04	5.5
57	MP2B	Mz	-.058	5.5
58	MP2C	Y	-81.748	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	My	.071	.5
60	MP2C	Mz	-.006	.5
61	MP2C	Y	-81.748	5.5
62	MP2C	My	.071	5.5
63	MP2C	Mz	-.006	5.5
64	MP3A	Y	-35.295	2
65	MP3A	My	-.018	2
66	MP3A	Mz	0	2
67	MP3A	Y	-35.295	4
68	MP3A	My	-.018	4
69	MP3A	Mz	0	4
70	MP3B	Y	-35.295	2
71	MP3B	My	.006	2
72	MP3B	Mz	-.017	2
73	MP3B	Y	-35.295	4
74	MP3B	My	.006	4
75	MP3B	Mz	-.017	4
76	MP3C	Y	-35.295	2
77	MP3C	My	-.015	2
78	MP3C	Mz	.009	2
79	MP3C	Y	-35.295	4
80	MP3C	My	-.015	4
81	MP3C	Mz	.009	4
82	M100	Y	-87.139	1
83	M100	My	0	1
84	M100	Mz	0	1
85	MP1A	Y	-44.492	2.25
86	MP1A	My	.022	2.25
87	MP1A	Mz	0	2.25
88	MP1B	Y	-44.492	2.25
89	MP1B	My	-.008	2.25
90	MP1B	Mz	.021	2.25
91	MP1C	Y	-44.492	2.25
92	MP1C	My	-.014	2.25
93	MP1C	Mz	-.017	2.25
94	MP3A	Y	-42.369	2.25
95	MP3A	My	.021	2.25
96	MP3A	Mz	0	2.25
97	MP3B	Y	-42.369	2.25
98	MP3B	My	-.007	2.25
99	MP3B	Mz	.02	2.25
100	MP3C	Y	-42.369	2.25
101	MP3C	My	-.014	2.25
102	MP3C	Mz	-.016	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-77.022	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2B	Z	-37.51	2.25
6	MP2B	Mx	-.015	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	-50.764	2.25
9	MP2C	Mx	.016	2.25
10	MP1A	X	0	.5
11	MP1A	Z	-138.521	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	-138.521	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	-123.051	.5
18	MP1B	Mx	.058	.5
19	MP1B	X	0	5.5
20	MP1B	Z	-123.051	5.5
21	MP1B	Mx	.058	5.5
22	MP1C	X	0	.5
23	MP1C	Z	-128.24	.5
24	MP1C	Mx	-.049	.5
25	MP1C	X	0	5.5
26	MP1C	Z	-128.24	5.5
27	MP1C	Mx	-.049	5.5
28	MP2A	X	0	.5
29	MP2A	Z	-193.93	.5
30	MP2A	Mx	.137	.5
31	MP2A	X	0	5.5
32	MP2A	Z	-193.93	5.5
33	MP2A	Mx	.137	5.5
34	MP2B	X	0	.5
35	MP2B	Z	-149.999	.5
36	MP2B	Mx	.034	.5
37	MP2B	X	0	5.5
38	MP2B	Z	-149.999	5.5
39	MP2B	Mx	.034	5.5
40	MP2C	X	0	.5
41	MP2C	Z	-164.735	.5
42	MP2C	Mx	-.138	.5
43	MP2C	X	0	5.5
44	MP2C	Z	-164.735	5.5
45	MP2C	Mx	-.138	5.5
46	MP2A	X	0	.5
47	MP2A	Z	-193.93	.5
48	MP2A	Mx	-.137	.5
49	MP2A	X	0	5.5
50	MP2A	Z	-193.93	5.5
51	MP2A	Mx	-.137	5.5
52	MP2B	X	0	.5
53	MP2B	Z	-149.999	.5
54	MP2B	Mx	.107	.5
55	MP2B	X	0	5.5
56	MP2B	Z	-149.999	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP2B	Mx	.107	5.5
58	MP2C	X	0	.5
59	MP2C	Z	-164.735	.5
60	MP2C	Mx	.012	.5
61	MP2C	X	0	5.5
62	MP2C	Z	-164.735	5.5
63	MP2C	Mx	.012	5.5
64	MP3A	X	0	2
65	MP3A	Z	-92.348	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	-92.348	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	-42.727	2
72	MP3B	Mx	.02	2
73	MP3B	X	0	4
74	MP3B	Z	-42.727	4
75	MP3B	Mx	.02	4
76	MP3C	X	0	2
77	MP3C	Z	-78.299	2
78	MP3C	Mx	-.02	2
79	MP3C	X	0	4
80	MP3C	Z	-78.299	4
81	MP3C	Mx	-.02	4
82	M100	X	0	1
83	M100	Z	-159.545	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	-73.485	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	-51.971	2.25
90	MP1B	Mx	-.024	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	-59.188	2.25
93	MP1C	Mx	.023	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	-73.485	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	-48.067	2.25
99	MP3B	Mx	-.023	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	-56.593	2.25
102	MP3C	Mx	.022	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	32.918	2.25
2	MP2A	Z	-57.015	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.014	2.25
4	MP2B	X	16.813	2.25
5	MP2B	Z	-29.12	2.25
6	MP2B	Mx	-.014	2.25
7	MP2C	X	35.894	2.25
8	MP2C	Z	-62.17	2.25
9	MP2C	Mx	.01	2.25
10	MP1A	X	67.071	.5
11	MP1A	Z	-116.17	.5
12	MP1A	Mx	-.034	.5
13	MP1A	X	67.071	5.5
14	MP1A	Z	-116.17	5.5
15	MP1A	Mx	-.034	5.5
16	MP1B	X	60.765	.5
17	MP1B	Z	-105.248	.5
18	MP1B	Mx	.06	.5
19	MP1B	X	60.765	5.5
20	MP1B	Z	-105.248	5.5
21	MP1B	Mx	.06	5.5
22	MP1C	X	68.236	.5
23	MP1C	Z	-118.188	.5
24	MP1C	Mx	-.023	.5
25	MP1C	X	68.236	5.5
26	MP1C	Z	-118.188	5.5
27	MP1C	Mx	-.023	5.5
28	MP2A	X	90.746	.5
29	MP2A	Z	-157.177	.5
30	MP2A	Mx	.066	.5
31	MP2A	X	90.746	5.5
32	MP2A	Z	-157.177	5.5
33	MP2A	Mx	.066	5.5
34	MP2B	X	72.84	.5
35	MP2B	Z	-126.162	.5
36	MP2B	Mx	.09	.5
37	MP2B	X	72.84	5.5
38	MP2B	Z	-126.162	5.5
39	MP2B	Mx	.09	5.5
40	MP2C	X	94.055	.5
41	MP2C	Z	-162.908	.5
42	MP2C	Mx	-.157	.5
43	MP2C	X	94.055	5.5
44	MP2C	Z	-162.908	5.5
45	MP2C	Mx	-.157	5.5
46	MP2A	X	90.746	.5
47	MP2A	Z	-157.177	.5
48	MP2A	Mx	-.157	.5
49	MP2A	X	90.746	5.5
50	MP2A	Z	-157.177	5.5
51	MP2A	Mx	-.157	5.5
52	MP2B	X	72.84	.5
53	MP2B	Z	-126.162	.5
54	MP2B	Mx	.054	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2B	X	72.84	5.5
56	MP2B	Z	-126.162	5.5
57	MP2B	Mx	.054	5.5
58	MP2C	X	94.055	.5
59	MP2C	Z	-162.908	.5
60	MP2C	Mx	.093	.5
61	MP2C	X	94.055	5.5
62	MP2C	Z	-162.908	5.5
63	MP2C	Mx	.093	5.5
64	MP3A	X	39.15	2
65	MP3A	Z	-67.809	2
66	MP3A	Mx	-.02	2
67	MP3A	X	39.15	4
68	MP3A	Z	-67.809	4
69	MP3A	Mx	-.02	4
70	MP3B	X	18.924	2
71	MP3B	Z	-32.778	2
72	MP3B	Mx	.019	2
73	MP3B	X	18.924	4
74	MP3B	Z	-32.778	4
75	MP3B	Mx	.019	4
76	MP3C	X	25.101	2
77	MP3C	Z	-43.476	2
78	MP3C	Mx	-.022	2
79	MP3C	X	25.101	4
80	MP3C	Z	-43.476	4
81	MP3C	Mx	-.022	4
82	M100	X	75.045	1
83	M100	Z	-129.981	1
84	M100	Mx	0	1
85	MP1A	X	33.697	2.25
86	MP1A	Z	-58.365	2.25
87	MP1A	Mx	.017	2.25
88	MP1B	X	24.928	2.25
89	MP1B	Z	-43.176	2.25
90	MP1B	Mx	-.025	2.25
91	MP1C	X	35.318	2.25
92	MP1C	Z	-61.172	2.25
93	MP1C	Mx	.012	2.25
94	MP3A	X	33.144	2.25
95	MP3A	Z	-57.408	2.25
96	MP3A	Mx	.017	2.25
97	MP3B	X	22.784	2.25
98	MP3B	Z	-39.463	2.25
99	MP3B	Mx	-.022	2.25
100	MP3C	X	35.059	2.25
101	MP3C	Z	-60.724	2.25
102	MP3C	Mx	.012	2.25

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.639	2.25
2	MP2A	Z	-21.731	2.25
3	MP2A	Mx	.016	2.25
4	MP2B	X	43.963	2.25
5	MP2B	Z	-25.382	2.25
6	MP2B	Mx	-.016	2.25
7	MP2C	X	65.534	2.25
8	MP2C	Z	-37.836	2.25
9	MP2C	Mx	-.005	2.25
10	MP1A	X	108.584	.5
11	MP1A	Z	-62.691	.5
12	MP1A	Mx	-.054	.5
13	MP1A	X	108.584	5.5
14	MP1A	Z	-62.691	5.5
15	MP1A	Mx	-.054	5.5
16	MP1B	X	111.059	.5
17	MP1B	Z	-64.12	.5
18	MP1B	Mx	.049	.5
19	MP1B	X	111.059	5.5
20	MP1B	Z	-64.12	5.5
21	MP1B	Mx	.049	5.5
22	MP1C	X	119.505	.5
23	MP1C	Z	-68.997	.5
24	MP1C	Mx	.012	.5
25	MP1C	X	119.505	5.5
26	MP1C	Z	-68.997	5.5
27	MP1C	Mx	.012	5.5
28	MP2A	X	135.634	.5
29	MP2A	Z	-78.308	.5
30	MP2A	Mx	-.012	.5
31	MP2A	X	135.634	5.5
32	MP2A	Z	-78.308	5.5
33	MP2A	Mx	-.012	5.5
34	MP2B	X	142.665	.5
35	MP2B	Z	-82.368	.5
36	MP2B	Mx	.138	.5
37	MP2B	X	142.665	5.5
38	MP2B	Z	-82.368	5.5
39	MP2B	Mx	.138	5.5
40	MP2C	X	166.649	.5
41	MP2C	Z	-96.215	.5
42	MP2C	Mx	-.118	.5
43	MP2C	X	166.649	5.5
44	MP2C	Z	-96.215	5.5
45	MP2C	Mx	-.118	5.5
46	MP2A	X	135.634	.5
47	MP2A	Z	-78.308	.5
48	MP2A	Mx	-.123	.5
49	MP2A	X	135.634	5.5
50	MP2A	Z	-78.308	5.5
51	MP2A	Mx	-.123	5.5
52	MP2B	X	142.665	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-82.368	.5
54	MP2B	Mx	-.012	.5
55	MP2B	X	142.665	5.5
56	MP2B	Z	-82.368	5.5
57	MP2B	Mx	-.012	5.5
58	MP2C	X	166.649	.5
59	MP2C	Z	-96.215	.5
60	MP2C	Mx	.151	.5
61	MP2C	X	166.649	5.5
62	MP2C	Z	-96.215	5.5
63	MP2C	Mx	.151	5.5
64	MP3A	X	43.476	2
65	MP3A	Z	-25.101	2
66	MP3A	Mx	-.022	2
67	MP3A	X	43.476	4
68	MP3A	Z	-25.101	4
69	MP3A	Mx	-.022	4
70	MP3B	X	51.417	2
71	MP3B	Z	-29.686	2
72	MP3B	Mx	.023	2
73	MP3B	X	51.417	4
74	MP3B	Z	-29.686	4
75	MP3B	Mx	.023	4
76	MP3C	X	31.31	2
77	MP3C	Z	-18.077	2
78	MP3C	Mx	-.018	2
79	MP3C	X	31.31	4
80	MP3C	Z	-18.077	4
81	MP3C	Mx	-.018	4
82	M100	X	113.603	1
83	M100	Z	-65.589	1
84	M100	Mx	0	1
85	MP1A	X	47.815	2.25
86	MP1A	Z	-27.606	2.25
87	MP1A	Mx	.024	2.25
88	MP1B	X	51.258	2.25
89	MP1B	Z	-29.594	2.25
90	MP1B	Mx	-.023	2.25
91	MP1C	X	63.004	2.25
92	MP1C	Z	-36.375	2.25
93	MP1C	Mx	-.006	2.25
94	MP3A	X	44.944	2.25
95	MP3A	Z	-25.948	2.25
96	MP3A	Mx	.022	2.25
97	MP3B	X	49.011	2.25
98	MP3B	Z	-28.297	2.25
99	MP3B	Mx	-.022	2.25
100	MP3C	X	62.888	2.25
101	MP3C	Z	-36.309	2.25
102	MP3C	Mx	-.006	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	32.276	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.013	2.25
4	MP2B	X	71.787	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	-.01	2.25
7	MP2C	X	58.534	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	-.016	2.25
10	MP1A	X	121.001	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	-.061	.5
13	MP1A	X	121.001	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	-.061	5.5
16	MP1B	X	136.472	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	.023	.5
19	MP1B	X	136.472	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	.023	5.5
22	MP1C	X	131.283	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	.042	.5
25	MP1C	X	131.283	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	.042	5.5
28	MP2A	X	144.179	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	-.072	.5
31	MP2A	X	144.179	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	-.072	5.5
34	MP2B	X	188.11	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	.157	.5
37	MP2B	X	188.11	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	.157	5.5
40	MP2C	X	173.374	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	-.038	.5
43	MP2C	X	173.374	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	-.038	5.5
46	MP2A	X	144.179	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	-.072	.5
49	MP2A	X	144.179	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.072	5.5
52	MP2B	X	188.11	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	-.093	.5
55	MP2B	X	188.11	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.093	5.5
58	MP2C	X	173.374	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	.15	.5
61	MP2C	X	173.374	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.15	5.5
64	MP3A	X	36.154	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.018	2
67	MP3A	X	36.154	4
68	MP3A	Z	0	4
69	MP3A	Mx	-.018	4
70	MP3B	X	85.774	2
71	MP3B	Z	0	2
72	MP3B	Mx	.015	2
73	MP3B	X	85.774	4
74	MP3B	Z	0	4
75	MP3B	Mx	.015	4
76	MP3C	X	50.202	2
77	MP3C	Z	0	2
78	MP3C	Mx	-.022	2
79	MP3C	X	50.202	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.022	4
82	M100	X	121.722	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	49.121	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	.025	2.25
88	MP1B	X	70.635	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	-.012	2.25
91	MP1C	X	63.418	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	-.02	2.25
94	MP3A	X	44.7	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	.022	2.25
97	MP3B	X	70.118	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	-.012	2.25
100	MP3C	X	61.592	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	-.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.639	2.25
2	MP2A	Z	21.731	2.25
3	MP2A	Mx	.016	2.25
4	MP2B	X	65.534	2.25
5	MP2B	Z	37.836	2.25
6	MP2B	Mx	.005	2.25
7	MP2C	X	32.485	2.25
8	MP2C	Z	18.755	2.25
9	MP2C	Mx	-.015	2.25
10	MP1A	X	108.584	.5
11	MP1A	Z	62.691	.5
12	MP1A	Mx	-.054	.5
13	MP1A	X	108.584	5.5
14	MP1A	Z	62.691	5.5
15	MP1A	Mx	-.054	5.5
16	MP1B	X	119.505	.5
17	MP1B	Z	68.997	.5
18	MP1B	Mx	-.012	.5
19	MP1B	X	119.505	5.5
20	MP1B	Z	68.997	5.5
21	MP1B	Mx	-.012	5.5
22	MP1C	X	106.565	.5
23	MP1C	Z	61.525	.5
24	MP1C	Mx	.058	.5
25	MP1C	X	106.565	5.5
26	MP1C	Z	61.525	5.5
27	MP1C	Mx	.058	5.5
28	MP2A	X	135.634	.5
29	MP2A	Z	78.308	.5
30	MP2A	Mx	-.123	.5
31	MP2A	X	135.634	5.5
32	MP2A	Z	78.308	5.5
33	MP2A	Mx	-.123	5.5
34	MP2B	X	166.649	.5
35	MP2B	Z	96.215	.5
36	MP2B	Mx	.118	.5
37	MP2B	X	166.649	5.5
38	MP2B	Z	96.215	5.5
39	MP2B	Mx	.118	5.5
40	MP2C	X	129.903	.5
41	MP2C	Z	74.999	.5
42	MP2C	Mx	.034	.5
43	MP2C	X	129.903	5.5
44	MP2C	Z	74.999	5.5
45	MP2C	Mx	.034	5.5
46	MP2A	X	135.634	.5
47	MP2A	Z	78.308	.5
48	MP2A	Mx	-.012	.5
49	MP2A	X	135.634	5.5
50	MP2A	Z	78.308	5.5
51	MP2A	Mx	-.012	5.5
52	MP2B	X	166.649	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	96.215	.5
54	MP2B	Mx	-.151	.5
55	MP2B	X	166.649	5.5
56	MP2B	Z	96.215	5.5
57	MP2B	Mx	-.151	5.5
58	MP2C	X	129.903	.5
59	MP2C	Z	74.999	.5
60	MP2C	Mx	.107	.5
61	MP2C	X	129.903	5.5
62	MP2C	Z	74.999	5.5
63	MP2C	Mx	.107	5.5
64	MP3A	X	43.476	2
65	MP3A	Z	25.101	2
66	MP3A	Mx	-.022	2
67	MP3A	X	43.476	4
68	MP3A	Z	25.101	4
69	MP3A	Mx	-.022	4
70	MP3B	X	78.508	2
71	MP3B	Z	45.327	2
72	MP3B	Mx	-.008	2
73	MP3B	X	78.508	4
74	MP3B	Z	45.327	4
75	MP3B	Mx	-.008	4
76	MP3C	X	67.809	2
77	MP3C	Z	39.15	2
78	MP3C	Mx	-.02	2
79	MP3C	X	67.809	4
80	MP3C	Z	39.15	4
81	MP3C	Mx	-.02	4
82	M100	X	113.603	1
83	M100	Z	65.589	1
84	M100	Mx	0	1
85	MP1A	X	47.815	2.25
86	MP1A	Z	27.606	2.25
87	MP1A	Mx	.024	2.25
88	MP1B	X	63.004	2.25
89	MP1B	Z	36.375	2.25
90	MP1B	Mx	.006	2.25
91	MP1C	X	45.008	2.25
92	MP1C	Z	25.986	2.25
93	MP1C	Mx	-.024	2.25
94	MP3A	X	44.944	2.25
95	MP3A	Z	25.948	2.25
96	MP3A	Mx	.022	2.25
97	MP3B	X	62.888	2.25
98	MP3B	Z	36.309	2.25
99	MP3B	Mx	.006	2.25
100	MP3C	X	41.628	2.25
101	MP3C	Z	24.034	2.25
102	MP3C	Mx	-.023	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	32.918	2.25
2	MP2A	Z	57.015	2.25
3	MP2A	Mx	.014	2.25
4	MP2B	X	29.267	2.25
5	MP2B	Z	50.692	2.25
6	MP2B	Mx	.016	2.25
7	MP2C	X	16.813	2.25
8	MP2C	Z	29.12	2.25
9	MP2C	Mx	-.014	2.25
10	MP1A	X	67.071	.5
11	MP1A	Z	116.17	.5
12	MP1A	Mx	-.034	.5
13	MP1A	X	67.071	5.5
14	MP1A	Z	116.17	5.5
15	MP1A	Mx	-.034	5.5
16	MP1B	X	65.641	.5
17	MP1B	Z	113.694	.5
18	MP1B	Mx	-.042	.5
19	MP1B	X	65.641	5.5
20	MP1B	Z	113.694	5.5
21	MP1B	Mx	-.042	5.5
22	MP1C	X	60.765	.5
23	MP1C	Z	105.248	.5
24	MP1C	Mx	.06	.5
25	MP1C	X	60.765	5.5
26	MP1C	Z	105.248	5.5
27	MP1C	Mx	.06	5.5
28	MP2A	X	90.746	.5
29	MP2A	Z	157.177	.5
30	MP2A	Mx	-.157	.5
31	MP2A	X	90.746	5.5
32	MP2A	Z	157.177	5.5
33	MP2A	Mx	-.157	5.5
34	MP2B	X	86.687	.5
35	MP2B	Z	150.146	.5
36	MP2B	Mx	.038	.5
37	MP2B	X	86.687	5.5
38	MP2B	Z	150.146	5.5
39	MP2B	Mx	.038	5.5
40	MP2C	X	72.84	.5
41	MP2C	Z	126.162	.5
42	MP2C	Mx	.09	.5
43	MP2C	X	72.84	5.5
44	MP2C	Z	126.162	5.5
45	MP2C	Mx	.09	5.5
46	MP2A	X	90.746	.5
47	MP2A	Z	157.177	.5
48	MP2A	Mx	.066	.5
49	MP2A	X	90.746	5.5
50	MP2A	Z	157.177	5.5
51	MP2A	Mx	.066	5.5
52	MP2B	X	86.687	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	150.146	.5
54	MP2B	Mx	-.15	.5
55	MP2B	X	86.687	5.5
56	MP2B	Z	150.146	5.5
57	MP2B	Mx	-.15	5.5
58	MP2C	X	72.84	.5
59	MP2C	Z	126.162	.5
60	MP2C	Mx	.054	.5
61	MP2C	X	72.84	5.5
62	MP2C	Z	126.162	5.5
63	MP2C	Mx	.054	5.5
64	MP3A	X	39.15	2
65	MP3A	Z	67.809	2
66	MP3A	Mx	-.02	2
67	MP3A	X	39.15	4
68	MP3A	Z	67.809	4
69	MP3A	Mx	-.02	4
70	MP3B	X	34.565	2
71	MP3B	Z	59.868	2
72	MP3B	Mx	-.022	2
73	MP3B	X	34.565	4
74	MP3B	Z	59.868	4
75	MP3B	Mx	-.022	4
76	MP3C	X	46.174	2
77	MP3C	Z	79.975	2
78	MP3C	Mx	0	2
79	MP3C	X	46.174	4
80	MP3C	Z	79.975	4
81	MP3C	Mx	0	4
82	M100	X	75.045	1
83	M100	Z	129.981	1
84	M100	Mx	0	1
85	MP1A	X	33.697	2.25
86	MP1A	Z	58.365	2.25
87	MP1A	Mx	.017	2.25
88	MP1B	X	31.709	2.25
89	MP1B	Z	54.922	2.25
90	MP1B	Mx	.02	2.25
91	MP1C	X	24.928	2.25
92	MP1C	Z	43.176	2.25
93	MP1C	Mx	-.025	2.25
94	MP3A	X	33.144	2.25
95	MP3A	Z	57.408	2.25
96	MP3A	Mx	.017	2.25
97	MP3B	X	30.796	2.25
98	MP3B	Z	53.34	2.25
99	MP3B	Mx	.02	2.25
100	MP3C	X	22.784	2.25
101	MP3C	Z	39.463	2.25
102	MP3C	Mx	-.022	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	77.022	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25
5	MP2B	Z	37.51	2.25
6	MP2B	Mx	.015	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	50.764	2.25
9	MP2C	Mx	-.016	2.25
10	MP1A	X	0	.5
11	MP1A	Z	138.521	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	138.521	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	123.051	.5
18	MP1B	Mx	-.058	.5
19	MP1B	X	0	5.5
20	MP1B	Z	123.051	5.5
21	MP1B	Mx	-.058	5.5
22	MP1C	X	0	.5
23	MP1C	Z	128.24	.5
24	MP1C	Mx	.049	.5
25	MP1C	X	0	5.5
26	MP1C	Z	128.24	5.5
27	MP1C	Mx	.049	5.5
28	MP2A	X	0	.5
29	MP2A	Z	193.93	.5
30	MP2A	Mx	-.137	.5
31	MP2A	X	0	5.5
32	MP2A	Z	193.93	5.5
33	MP2A	Mx	-.137	5.5
34	MP2B	X	0	.5
35	MP2B	Z	149.999	.5
36	MP2B	Mx	-.034	.5
37	MP2B	X	0	5.5
38	MP2B	Z	149.999	5.5
39	MP2B	Mx	-.034	5.5
40	MP2C	X	0	.5
41	MP2C	Z	164.735	.5
42	MP2C	Mx	.138	.5
43	MP2C	X	0	5.5
44	MP2C	Z	164.735	5.5
45	MP2C	Mx	.138	5.5
46	MP2A	X	0	.5
47	MP2A	Z	193.93	.5
48	MP2A	Mx	.137	.5
49	MP2A	X	0	5.5
50	MP2A	Z	193.93	5.5
51	MP2A	Mx	.137	5.5
52	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	149.999	.5
54	MP2B	Mx	-.107	.5
55	MP2B	X	0	5.5
56	MP2B	Z	149.999	5.5
57	MP2B	Mx	-.107	5.5
58	MP2C	X	0	.5
59	MP2C	Z	164.735	.5
60	MP2C	Mx	-.012	.5
61	MP2C	X	0	5.5
62	MP2C	Z	164.735	5.5
63	MP2C	Mx	-.012	5.5
64	MP3A	X	0	2
65	MP3A	Z	92.348	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	92.348	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	42.727	2
72	MP3B	Mx	-.02	2
73	MP3B	X	0	4
74	MP3B	Z	42.727	4
75	MP3B	Mx	-.02	4
76	MP3C	X	0	2
77	MP3C	Z	78.299	2
78	MP3C	Mx	.02	2
79	MP3C	X	0	4
80	MP3C	Z	78.299	4
81	MP3C	Mx	.02	4
82	M100	X	0	1
83	M100	Z	159.545	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	73.485	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	51.971	2.25
90	MP1B	Mx	.024	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	59.188	2.25
93	MP1C	Mx	-.023	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	73.485	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	48.067	2.25
99	MP3B	Mx	.023	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	56.593	2.25
102	MP3C	Mx	-.022	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-32.918	2.25
2	MP2A	Z	57.015	2.25
3	MP2A	Mx	-.014	2.25
4	MP2B	X	-16.813	2.25
5	MP2B	Z	29.12	2.25
6	MP2B	Mx	.014	2.25
7	MP2C	X	-35.894	2.25
8	MP2C	Z	62.17	2.25
9	MP2C	Mx	-.01	2.25
10	MP1A	X	-67.071	.5
11	MP1A	Z	116.17	.5
12	MP1A	Mx	.034	.5
13	MP1A	X	-67.071	5.5
14	MP1A	Z	116.17	5.5
15	MP1A	Mx	.034	5.5
16	MP1B	X	-60.765	.5
17	MP1B	Z	105.248	.5
18	MP1B	Mx	-.06	.5
19	MP1B	X	-60.765	5.5
20	MP1B	Z	105.248	5.5
21	MP1B	Mx	-.06	5.5
22	MP1C	X	-68.236	.5
23	MP1C	Z	118.188	.5
24	MP1C	Mx	.023	.5
25	MP1C	X	-68.236	5.5
26	MP1C	Z	118.188	5.5
27	MP1C	Mx	.023	5.5
28	MP2A	X	-90.746	.5
29	MP2A	Z	157.177	.5
30	MP2A	Mx	-.066	.5
31	MP2A	X	-90.746	5.5
32	MP2A	Z	157.177	5.5
33	MP2A	Mx	-.066	5.5
34	MP2B	X	-72.84	.5
35	MP2B	Z	126.162	.5
36	MP2B	Mx	-.09	.5
37	MP2B	X	-72.84	5.5
38	MP2B	Z	126.162	5.5
39	MP2B	Mx	-.09	5.5
40	MP2C	X	-94.055	.5
41	MP2C	Z	162.908	.5
42	MP2C	Mx	.157	.5
43	MP2C	X	-94.055	5.5
44	MP2C	Z	162.908	5.5
45	MP2C	Mx	.157	5.5
46	MP2A	X	-90.746	.5
47	MP2A	Z	157.177	.5
48	MP2A	Mx	.157	.5
49	MP2A	X	-90.746	5.5
50	MP2A	Z	157.177	5.5
51	MP2A	Mx	.157	5.5
52	MP2B	X	-72.84	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	126.162	.5
54	MP2B	Mx	-.054	.5
55	MP2B	X	-72.84	5.5
56	MP2B	Z	126.162	5.5
57	MP2B	Mx	-.054	5.5
58	MP2C	X	-94.055	.5
59	MP2C	Z	162.908	.5
60	MP2C	Mx	-.093	.5
61	MP2C	X	-94.055	5.5
62	MP2C	Z	162.908	5.5
63	MP2C	Mx	-.093	5.5
64	MP3A	X	-39.15	2
65	MP3A	Z	67.809	2
66	MP3A	Mx	.02	2
67	MP3A	X	-39.15	4
68	MP3A	Z	67.809	4
69	MP3A	Mx	.02	4
70	MP3B	X	-18.924	2
71	MP3B	Z	32.778	2
72	MP3B	Mx	-.019	2
73	MP3B	X	-18.924	4
74	MP3B	Z	32.778	4
75	MP3B	Mx	-.019	4
76	MP3C	X	-25.101	2
77	MP3C	Z	43.476	2
78	MP3C	Mx	.022	2
79	MP3C	X	-25.101	4
80	MP3C	Z	43.476	4
81	MP3C	Mx	.022	4
82	M100	X	-75.045	1
83	M100	Z	129.981	1
84	M100	Mx	0	1
85	MP1A	X	-33.697	2.25
86	MP1A	Z	58.365	2.25
87	MP1A	Mx	-.017	2.25
88	MP1B	X	-24.928	2.25
89	MP1B	Z	43.176	2.25
90	MP1B	Mx	.025	2.25
91	MP1C	X	-35.318	2.25
92	MP1C	Z	61.172	2.25
93	MP1C	Mx	-.012	2.25
94	MP3A	X	-33.144	2.25
95	MP3A	Z	57.408	2.25
96	MP3A	Mx	-.017	2.25
97	MP3B	X	-22.784	2.25
98	MP3B	Z	39.463	2.25
99	MP3B	Mx	.022	2.25
100	MP3C	X	-35.059	2.25
101	MP3C	Z	60.724	2.25
102	MP3C	Mx	-.012	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.639	2.25
2	MP2A	Z	21.731	2.25
3	MP2A	Mx	-.016	2.25
4	MP2B	X	-43.963	2.25
5	MP2B	Z	25.382	2.25
6	MP2B	Mx	.016	2.25
7	MP2C	X	-65.534	2.25
8	MP2C	Z	37.836	2.25
9	MP2C	Mx	.005	2.25
10	MP1A	X	-108.584	.5
11	MP1A	Z	62.691	.5
12	MP1A	Mx	.054	.5
13	MP1A	X	-108.584	5.5
14	MP1A	Z	62.691	5.5
15	MP1A	Mx	.054	5.5
16	MP1B	X	-111.059	.5
17	MP1B	Z	64.12	.5
18	MP1B	Mx	-.049	.5
19	MP1B	X	-111.059	5.5
20	MP1B	Z	64.12	5.5
21	MP1B	Mx	-.049	5.5
22	MP1C	X	-119.505	.5
23	MP1C	Z	68.997	.5
24	MP1C	Mx	-.012	.5
25	MP1C	X	-119.505	5.5
26	MP1C	Z	68.997	5.5
27	MP1C	Mx	-.012	5.5
28	MP2A	X	-135.634	.5
29	MP2A	Z	78.308	.5
30	MP2A	Mx	.012	.5
31	MP2A	X	-135.634	5.5
32	MP2A	Z	78.308	5.5
33	MP2A	Mx	.012	5.5
34	MP2B	X	-142.665	.5
35	MP2B	Z	82.368	.5
36	MP2B	Mx	-.138	.5
37	MP2B	X	-142.665	5.5
38	MP2B	Z	82.368	5.5
39	MP2B	Mx	-.138	5.5
40	MP2C	X	-166.649	.5
41	MP2C	Z	96.215	.5
42	MP2C	Mx	.118	.5
43	MP2C	X	-166.649	5.5
44	MP2C	Z	96.215	5.5
45	MP2C	Mx	.118	5.5
46	MP2A	X	-135.634	.5
47	MP2A	Z	78.308	.5
48	MP2A	Mx	.123	.5
49	MP2A	X	-135.634	5.5
50	MP2A	Z	78.308	5.5
51	MP2A	Mx	.123	5.5
52	MP2B	X	-142.665	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	82.368	.5
54	MP2B	Mx	.012	.5
55	MP2B	X	-142.665	5.5
56	MP2B	Z	82.368	5.5
57	MP2B	Mx	.012	5.5
58	MP2C	X	-166.649	.5
59	MP2C	Z	96.215	.5
60	MP2C	Mx	-.151	.5
61	MP2C	X	-166.649	5.5
62	MP2C	Z	96.215	5.5
63	MP2C	Mx	-.151	5.5
64	MP3A	X	-43.476	2
65	MP3A	Z	25.101	2
66	MP3A	Mx	.022	2
67	MP3A	X	-43.476	4
68	MP3A	Z	25.101	4
69	MP3A	Mx	.022	4
70	MP3B	X	-51.417	2
71	MP3B	Z	29.686	2
72	MP3B	Mx	-.023	2
73	MP3B	X	-51.417	4
74	MP3B	Z	29.686	4
75	MP3B	Mx	-.023	4
76	MP3C	X	-31.31	2
77	MP3C	Z	18.077	2
78	MP3C	Mx	.018	2
79	MP3C	X	-31.31	4
80	MP3C	Z	18.077	4
81	MP3C	Mx	.018	4
82	M100	X	-113.603	1
83	M100	Z	65.589	1
84	M100	Mx	0	1
85	MP1A	X	-47.815	2.25
86	MP1A	Z	27.606	2.25
87	MP1A	Mx	-.024	2.25
88	MP1B	X	-51.258	2.25
89	MP1B	Z	29.594	2.25
90	MP1B	Mx	.023	2.25
91	MP1C	X	-63.004	2.25
92	MP1C	Z	36.375	2.25
93	MP1C	Mx	.006	2.25
94	MP3A	X	-44.944	2.25
95	MP3A	Z	25.948	2.25
96	MP3A	Mx	-.022	2.25
97	MP3B	X	-49.011	2.25
98	MP3B	Z	28.297	2.25
99	MP3B	Mx	.022	2.25
100	MP3C	X	-62.888	2.25
101	MP3C	Z	36.309	2.25
102	MP3C	Mx	.006	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-32.276	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.013	2.25
4	MP2B	X	-71.787	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	.01	2.25
7	MP2C	X	-58.534	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	.016	2.25
10	MP1A	X	-121.001	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	.061	.5
13	MP1A	X	-121.001	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	.061	5.5
16	MP1B	X	-136.472	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	-.023	.5
19	MP1B	X	-136.472	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	-.023	5.5
22	MP1C	X	-131.283	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	-.042	.5
25	MP1C	X	-131.283	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	-.042	5.5
28	MP2A	X	-144.179	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	.072	.5
31	MP2A	X	-144.179	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	.072	5.5
34	MP2B	X	-188.11	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	-.157	.5
37	MP2B	X	-188.11	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	-.157	5.5
40	MP2C	X	-173.374	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	.038	.5
43	MP2C	X	-173.374	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	.038	5.5
46	MP2A	X	-144.179	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	.072	.5
49	MP2A	X	-144.179	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.072	5.5
52	MP2B	X	-188.11	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	.093	.5
55	MP2B	X	-188.11	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.093	5.5
58	MP2C	X	-173.374	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	-.15	.5
61	MP2C	X	-173.374	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.15	5.5
64	MP3A	X	-36.154	2
65	MP3A	Z	0	2
66	MP3A	Mx	.018	2
67	MP3A	X	-36.154	4
68	MP3A	Z	0	4
69	MP3A	Mx	.018	4
70	MP3B	X	-85.774	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.015	2
73	MP3B	X	-85.774	4
74	MP3B	Z	0	4
75	MP3B	Mx	-.015	4
76	MP3C	X	-50.202	2
77	MP3C	Z	0	2
78	MP3C	Mx	.022	2
79	MP3C	X	-50.202	4
80	MP3C	Z	0	4
81	MP3C	Mx	.022	4
82	M100	X	-121.722	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	-49.121	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	-.025	2.25
88	MP1B	X	-70.635	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	.012	2.25
91	MP1C	X	-63.418	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	.02	2.25
94	MP3A	X	-44.7	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	-.022	2.25
97	MP3B	X	-70.118	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	.012	2.25
100	MP3C	X	-61.592	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.639	2.25
2	MP2A	Z	-21.731	2.25
3	MP2A	Mx	-.016	2.25
4	MP2B	X	-65.534	2.25
5	MP2B	Z	-37.836	2.25
6	MP2B	Mx	-.005	2.25
7	MP2C	X	-32.485	2.25
8	MP2C	Z	-18.755	2.25
9	MP2C	Mx	.015	2.25
10	MP1A	X	-108.584	.5
11	MP1A	Z	-62.691	.5
12	MP1A	Mx	.054	.5
13	MP1A	X	-108.584	5.5
14	MP1A	Z	-62.691	5.5
15	MP1A	Mx	.054	5.5
16	MP1B	X	-119.505	.5
17	MP1B	Z	-68.997	.5
18	MP1B	Mx	.012	.5
19	MP1B	X	-119.505	5.5
20	MP1B	Z	-68.997	5.5
21	MP1B	Mx	.012	5.5
22	MP1C	X	-106.565	.5
23	MP1C	Z	-61.525	.5
24	MP1C	Mx	-.058	.5
25	MP1C	X	-106.565	5.5
26	MP1C	Z	-61.525	5.5
27	MP1C	Mx	-.058	5.5
28	MP2A	X	-135.634	.5
29	MP2A	Z	-78.308	.5
30	MP2A	Mx	.123	.5
31	MP2A	X	-135.634	5.5
32	MP2A	Z	-78.308	5.5
33	MP2A	Mx	.123	5.5
34	MP2B	X	-166.649	.5
35	MP2B	Z	-96.215	.5
36	MP2B	Mx	-.118	.5
37	MP2B	X	-166.649	5.5
38	MP2B	Z	-96.215	5.5
39	MP2B	Mx	-.118	5.5
40	MP2C	X	-129.903	.5
41	MP2C	Z	-74.999	.5
42	MP2C	Mx	-.034	.5
43	MP2C	X	-129.903	5.5
44	MP2C	Z	-74.999	5.5
45	MP2C	Mx	-.034	5.5
46	MP2A	X	-135.634	.5
47	MP2A	Z	-78.308	.5
48	MP2A	Mx	.012	.5
49	MP2A	X	-135.634	5.5
50	MP2A	Z	-78.308	5.5
51	MP2A	Mx	.012	5.5
52	MP2B	X	-166.649	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-96.215	.5
54	MP2B	Mx	.151	.5
55	MP2B	X	-166.649	5.5
56	MP2B	Z	-96.215	5.5
57	MP2B	Mx	.151	5.5
58	MP2C	X	-129.903	.5
59	MP2C	Z	-74.999	.5
60	MP2C	Mx	-.107	.5
61	MP2C	X	-129.903	5.5
62	MP2C	Z	-74.999	5.5
63	MP2C	Mx	-.107	5.5
64	MP3A	X	-43.476	2
65	MP3A	Z	-25.101	2
66	MP3A	Mx	.022	2
67	MP3A	X	-43.476	4
68	MP3A	Z	-25.101	4
69	MP3A	Mx	.022	4
70	MP3B	X	-78.508	2
71	MP3B	Z	-45.327	2
72	MP3B	Mx	.008	2
73	MP3B	X	-78.508	4
74	MP3B	Z	-45.327	4
75	MP3B	Mx	.008	4
76	MP3C	X	-67.809	2
77	MP3C	Z	-39.15	2
78	MP3C	Mx	.02	2
79	MP3C	X	-67.809	4
80	MP3C	Z	-39.15	4
81	MP3C	Mx	.02	4
82	M100	X	-113.603	1
83	M100	Z	-65.589	1
84	M100	Mx	0	1
85	MP1A	X	-47.815	2.25
86	MP1A	Z	-27.606	2.25
87	MP1A	Mx	-.024	2.25
88	MP1B	X	-63.004	2.25
89	MP1B	Z	-36.375	2.25
90	MP1B	Mx	-.006	2.25
91	MP1C	X	-45.008	2.25
92	MP1C	Z	-25.986	2.25
93	MP1C	Mx	.024	2.25
94	MP3A	X	-44.944	2.25
95	MP3A	Z	-25.948	2.25
96	MP3A	Mx	-.022	2.25
97	MP3B	X	-62.888	2.25
98	MP3B	Z	-36.309	2.25
99	MP3B	Mx	-.006	2.25
100	MP3C	X	-41.628	2.25
101	MP3C	Z	-24.034	2.25
102	MP3C	Mx	.023	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-32.918	2.25
2	MP2A	Z	-57.015	2.25
3	MP2A	Mx	-.014	2.25
4	MP2B	X	-29.267	2.25
5	MP2B	Z	-50.692	2.25
6	MP2B	Mx	-.016	2.25
7	MP2C	X	-16.813	2.25
8	MP2C	Z	-29.12	2.25
9	MP2C	Mx	.014	2.25
10	MP1A	X	-67.071	.5
11	MP1A	Z	-116.17	.5
12	MP1A	Mx	.034	.5
13	MP1A	X	-67.071	5.5
14	MP1A	Z	-116.17	5.5
15	MP1A	Mx	.034	5.5
16	MP1B	X	-65.641	.5
17	MP1B	Z	-113.694	.5
18	MP1B	Mx	.042	.5
19	MP1B	X	-65.641	5.5
20	MP1B	Z	-113.694	5.5
21	MP1B	Mx	.042	5.5
22	MP1C	X	-60.765	.5
23	MP1C	Z	-105.248	.5
24	MP1C	Mx	-.06	.5
25	MP1C	X	-60.765	5.5
26	MP1C	Z	-105.248	5.5
27	MP1C	Mx	-.06	5.5
28	MP2A	X	-90.746	.5
29	MP2A	Z	-157.177	.5
30	MP2A	Mx	.157	.5
31	MP2A	X	-90.746	5.5
32	MP2A	Z	-157.177	5.5
33	MP2A	Mx	.157	5.5
34	MP2B	X	-86.687	.5
35	MP2B	Z	-150.146	.5
36	MP2B	Mx	-.038	.5
37	MP2B	X	-86.687	5.5
38	MP2B	Z	-150.146	5.5
39	MP2B	Mx	-.038	5.5
40	MP2C	X	-72.84	.5
41	MP2C	Z	-126.162	.5
42	MP2C	Mx	-.09	.5
43	MP2C	X	-72.84	5.5
44	MP2C	Z	-126.162	5.5
45	MP2C	Mx	-.09	5.5
46	MP2A	X	-90.746	.5
47	MP2A	Z	-157.177	.5
48	MP2A	Mx	-.066	.5
49	MP2A	X	-90.746	5.5
50	MP2A	Z	-157.177	5.5
51	MP2A	Mx	-.066	5.5
52	MP2B	X	-86.687	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-150.146	.5
54	MP2B	Mx	.15	.5
55	MP2B	X	-86.687	5.5
56	MP2B	Z	-150.146	5.5
57	MP2B	Mx	.15	5.5
58	MP2C	X	-72.84	.5
59	MP2C	Z	-126.162	.5
60	MP2C	Mx	-.054	.5
61	MP2C	X	-72.84	5.5
62	MP2C	Z	-126.162	5.5
63	MP2C	Mx	-.054	5.5
64	MP3A	X	-39.15	2
65	MP3A	Z	-67.809	2
66	MP3A	Mx	.02	2
67	MP3A	X	-39.15	4
68	MP3A	Z	-67.809	4
69	MP3A	Mx	.02	4
70	MP3B	X	-34.565	2
71	MP3B	Z	-59.868	2
72	MP3B	Mx	.022	2
73	MP3B	X	-34.565	4
74	MP3B	Z	-59.868	4
75	MP3B	Mx	.022	4
76	MP3C	X	-46.174	2
77	MP3C	Z	-79.975	2
78	MP3C	Mx	0	2
79	MP3C	X	-46.174	4
80	MP3C	Z	-79.975	4
81	MP3C	Mx	0	4
82	M100	X	-75.045	1
83	M100	Z	-129.981	1
84	M100	Mx	0	1
85	MP1A	X	-33.697	2.25
86	MP1A	Z	-58.365	2.25
87	MP1A	Mx	-.017	2.25
88	MP1B	X	-31.709	2.25
89	MP1B	Z	-54.922	2.25
90	MP1B	Mx	-.02	2.25
91	MP1C	X	-24.928	2.25
92	MP1C	Z	-43.176	2.25
93	MP1C	Mx	.025	2.25
94	MP3A	X	-33.144	2.25
95	MP3A	Z	-57.408	2.25
96	MP3A	Mx	-.017	2.25
97	MP3B	X	-30.796	2.25
98	MP3B	Z	-53.34	2.25
99	MP3B	Mx	-.02	2.25
100	MP3C	X	-22.784	2.25
101	MP3C	Z	-39.463	2.25
102	MP3C	Mx	.022	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-16.626	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25
5	MP2B	Z	-8.849	2.25
6	MP2B	Mx	-.003	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	-11.458	2.25
9	MP2C	Mx	.004	2.25
10	MP1A	X	0	.5
11	MP1A	Z	-28.102	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	-28.102	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	-25.398	.5
18	MP1B	Mx	.012	.5
19	MP1B	X	0	5.5
20	MP1B	Z	-25.398	5.5
21	MP1B	Mx	.012	5.5
22	MP1C	X	0	.5
23	MP1C	Z	-26.305	.5
24	MP1C	Mx	-.01	.5
25	MP1C	X	0	5.5
26	MP1C	Z	-26.305	5.5
27	MP1C	Mx	-.01	5.5
28	MP2A	X	0	.5
29	MP2A	Z	-38.594	.5
30	MP2A	Mx	.027	.5
31	MP2A	X	0	5.5
32	MP2A	Z	-38.594	5.5
33	MP2A	Mx	.027	5.5
34	MP2B	X	0	.5
35	MP2B	Z	-30.292	.5
36	MP2B	Mx	.007	.5
37	MP2B	X	0	5.5
38	MP2B	Z	-30.292	5.5
39	MP2B	Mx	.007	5.5
40	MP2C	X	0	.5
41	MP2C	Z	-33.077	.5
42	MP2C	Mx	-.028	.5
43	MP2C	X	0	5.5
44	MP2C	Z	-33.077	5.5
45	MP2C	Mx	-.028	5.5
46	MP2A	X	0	.5
47	MP2A	Z	-38.594	.5
48	MP2A	Mx	-.027	.5
49	MP2A	X	0	5.5
50	MP2A	Z	-38.594	5.5
51	MP2A	Mx	-.027	5.5
52	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-30.292	.5
54	MP2B	Mx	.022	.5
55	MP2B	X	0	5.5
56	MP2B	Z	-30.292	5.5
57	MP2B	Mx	.022	5.5
58	MP2C	X	0	.5
59	MP2C	Z	-33.077	.5
60	MP2C	Mx	.002	.5
61	MP2C	X	0	5.5
62	MP2C	Z	-33.077	5.5
63	MP2C	Mx	.002	5.5
64	MP3A	X	0	2
65	MP3A	Z	-19.035	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	-19.035	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	-9.381	2
72	MP3B	Mx	.004	2
73	MP3B	X	0	4
74	MP3B	Z	-9.381	4
75	MP3B	Mx	.004	4
76	MP3C	X	0	2
77	MP3C	Z	-16.302	2
78	MP3C	Mx	-.004	2
79	MP3C	X	0	4
80	MP3C	Z	-16.302	4
81	MP3C	Mx	-.004	4
82	M100	X	0	1
83	M100	Z	-32.967	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	-16.035	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	-11.722	2.25
90	MP1B	Mx	-.006	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	-13.169	2.25
93	MP1C	Mx	.005	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	-16.035	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	-10.946	2.25
99	MP3B	Mx	-.005	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	-12.653	2.25
102	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.212	2.25
2	MP2A	Z	-12.492	2.25
3	MP2A	Mx	.003	2.25
4	MP2B	X	4.042	2.25
5	MP2B	Z	-7.001	2.25
6	MP2B	Mx	-.003	2.25
7	MP2C	X	7.798	2.25
8	MP2C	Z	-13.507	2.25
9	MP2C	Mx	.002	2.25
10	MP1A	X	13.668	.5
11	MP1A	Z	-23.674	.5
12	MP1A	Mx	-.007	.5
13	MP1A	X	13.668	5.5
14	MP1A	Z	-23.674	5.5
15	MP1A	Mx	-.007	5.5
16	MP1B	X	12.566	.5
17	MP1B	Z	-21.765	.5
18	MP1B	Mx	.012	.5
19	MP1B	X	12.566	5.5
20	MP1B	Z	-21.765	5.5
21	MP1B	Mx	.012	5.5
22	MP1C	X	13.872	.5
23	MP1C	Z	-24.027	.5
24	MP1C	Mx	-.005	.5
25	MP1C	X	13.872	5.5
26	MP1C	Z	-24.027	5.5
27	MP1C	Mx	-.005	5.5
28	MP2A	X	18.122	.5
29	MP2A	Z	-31.388	.5
30	MP2A	Mx	.013	.5
31	MP2A	X	18.122	5.5
32	MP2A	Z	-31.388	5.5
33	MP2A	Mx	.013	5.5
34	MP2B	X	14.738	.5
35	MP2B	Z	-25.527	.5
36	MP2B	Mx	.018	.5
37	MP2B	X	14.738	5.5
38	MP2B	Z	-25.527	5.5
39	MP2B	Mx	.018	5.5
40	MP2C	X	18.747	.5
41	MP2C	Z	-32.471	.5
42	MP2C	Mx	-.031	.5
43	MP2C	X	18.747	5.5
44	MP2C	Z	-32.471	5.5
45	MP2C	Mx	-.031	5.5
46	MP2A	X	18.122	.5
47	MP2A	Z	-31.388	.5
48	MP2A	Mx	-.031	.5
49	MP2A	X	18.122	5.5
50	MP2A	Z	-31.388	5.5
51	MP2A	Mx	-.031	5.5
52	MP2B	X	14.738	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-25.527	.5
54	MP2B	Mx	.011	.5
55	MP2B	X	14.738	5.5
56	MP2B	Z	-25.527	5.5
57	MP2B	Mx	.011	5.5
58	MP2C	X	18.747	.5
59	MP2C	Z	-32.471	.5
60	MP2C	Mx	.019	.5
61	MP2C	X	18.747	5.5
62	MP2C	Z	-32.471	5.5
63	MP2C	Mx	.019	5.5
64	MP3A	X	8.151	2
65	MP3A	Z	-14.118	2
66	MP3A	Mx	-.004	2
67	MP3A	X	8.151	4
68	MP3A	Z	-14.118	4
69	MP3A	Mx	-.004	4
70	MP3B	X	4.216	2
71	MP3B	Z	-7.302	2
72	MP3B	Mx	.004	2
73	MP3B	X	4.216	4
74	MP3B	Z	-7.302	4
75	MP3B	Mx	.004	4
76	MP3C	X	5.418	2
77	MP3C	Z	-9.384	2
78	MP3C	Mx	-.005	2
79	MP3C	X	5.418	4
80	MP3C	Z	-9.384	4
81	MP3C	Mx	-.005	4
82	M100	X	15.585	1
83	M100	Z	-26.994	1
84	M100	Mx	0	1
85	MP1A	X	7.407	2.25
86	MP1A	Z	-12.829	2.25
87	MP1A	Mx	.004	2.25
88	MP1B	X	5.649	2.25
89	MP1B	Z	-9.784	2.25
90	MP1B	Mx	-.006	2.25
91	MP1C	X	7.732	2.25
92	MP1C	Z	-13.392	2.25
93	MP1C	Mx	.003	2.25
94	MP3A	X	7.297	2.25
95	MP3A	Z	-12.639	2.25
96	MP3A	Mx	.004	2.25
97	MP3B	X	5.223	2.25
98	MP3B	Z	-9.046	2.25
99	MP3B	Mx	-.005	2.25
100	MP3C	X	7.681	2.25
101	MP3C	Z	-13.303	2.25
102	MP3C	Mx	.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.678	2.25
2	MP2A	Z	-5.01	2.25
3	MP2A	Mx	.004	2.25
4	MP2B	X	9.923	2.25
5	MP2B	Z	-5.729	2.25
6	MP2B	Mx	-.004	2.25
7	MP2C	X	14.169	2.25
8	MP2C	Z	-8.18	2.25
9	MP2C	Mx	-.001	2.25
10	MP1A	X	22.348	.5
11	MP1A	Z	-12.903	.5
12	MP1A	Mx	-.011	.5
13	MP1A	X	22.348	5.5
14	MP1A	Z	-12.903	5.5
15	MP1A	Mx	-.011	5.5
16	MP1B	X	22.781	.5
17	MP1B	Z	-13.152	.5
18	MP1B	Mx	.01	.5
19	MP1B	X	22.781	5.5
20	MP1B	Z	-13.152	5.5
21	MP1B	Mx	.01	5.5
22	MP1C	X	24.257	.5
23	MP1C	Z	-14.005	.5
24	MP1C	Mx	.002	.5
25	MP1C	X	24.257	5.5
26	MP1C	Z	-14.005	5.5
27	MP1C	Mx	.002	5.5
28	MP2A	X	27.317	.5
29	MP2A	Z	-15.771	.5
30	MP2A	Mx	-.002	.5
31	MP2A	X	27.317	5.5
32	MP2A	Z	-15.771	5.5
33	MP2A	Mx	-.002	5.5
34	MP2B	X	28.645	.5
35	MP2B	Z	-16.538	.5
36	MP2B	Mx	.028	.5
37	MP2B	X	28.645	5.5
38	MP2B	Z	-16.538	5.5
39	MP2B	Mx	.028	5.5
40	MP2C	X	33.178	.5
41	MP2C	Z	-19.155	.5
42	MP2C	Mx	-.023	.5
43	MP2C	X	33.178	5.5
44	MP2C	Z	-19.155	5.5
45	MP2C	Mx	-.023	5.5
46	MP2A	X	27.317	.5
47	MP2A	Z	-15.771	.5
48	MP2A	Mx	-.025	.5
49	MP2A	X	27.317	5.5
50	MP2A	Z	-15.771	5.5
51	MP2A	Mx	-.025	5.5
52	MP2B	X	28.645	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-16.538	.5
54	MP2B	Mx	-.002	.5
55	MP2B	X	28.645	5.5
56	MP2B	Z	-16.538	5.5
57	MP2B	Mx	-.002	5.5
58	MP2C	X	33.178	.5
59	MP2C	Z	-19.155	.5
60	MP2C	Mx	.03	.5
61	MP2C	X	33.178	5.5
62	MP2C	Z	-19.155	5.5
63	MP2C	Mx	.03	5.5
64	MP3A	X	9.384	2
65	MP3A	Z	-5.418	2
66	MP3A	Mx	-.005	2
67	MP3A	X	9.384	4
68	MP3A	Z	-5.418	4
69	MP3A	Mx	-.005	4
70	MP3B	X	10.929	2
71	MP3B	Z	-6.31	2
72	MP3B	Mx	.005	2
73	MP3B	X	10.929	4
74	MP3B	Z	-6.31	4
75	MP3B	Mx	.005	4
76	MP3C	X	7.017	2
77	MP3C	Z	-4.051	2
78	MP3C	Mx	-.004	2
79	MP3C	X	7.017	4
80	MP3C	Z	-4.051	4
81	MP3C	Mx	-.004	4
82	M100	X	23.879	1
83	M100	Z	-13.787	1
84	M100	Mx	0	1
85	MP1A	X	10.714	2.25
86	MP1A	Z	-6.186	2.25
87	MP1A	Mx	.005	2.25
88	MP1B	X	11.405	2.25
89	MP1B	Z	-6.584	2.25
90	MP1B	Mx	-.005	2.25
91	MP1C	X	13.759	2.25
92	MP1C	Z	-7.944	2.25
93	MP1C	Mx	-.001	2.25
94	MP3A	X	10.143	2.25
95	MP3A	Z	-5.856	2.25
96	MP3A	Mx	.005	2.25
97	MP3B	X	10.958	2.25
98	MP3B	Z	-6.326	2.25
99	MP3B	Mx	-.005	2.25
100	MP3C	X	13.736	2.25
101	MP3C	Z	-7.931	2.25
102	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.819	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.003	2.25
4	MP2B	X	15.596	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	-.002	2.25
7	MP2C	X	12.987	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	-.003	2.25
10	MP1A	X	25.04	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	-.013	.5
13	MP1A	X	25.04	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	-.013	5.5
16	MP1B	X	27.744	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	.005	.5
19	MP1B	X	27.744	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	.005	5.5
22	MP1C	X	26.837	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	.009	.5
25	MP1C	X	26.837	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	.009	5.5
28	MP2A	X	29.192	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	-.015	.5
31	MP2A	X	29.192	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	-.015	5.5
34	MP2B	X	37.494	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	.031	.5
37	MP2B	X	37.494	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	.031	5.5
40	MP2C	X	34.709	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	-.008	.5
43	MP2C	X	34.709	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	-.008	5.5
46	MP2A	X	29.192	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	-.015	.5
49	MP2A	X	29.192	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.015	5.5
52	MP2B	X	37.494	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	-.019	.5
55	MP2B	X	37.494	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.019	5.5
58	MP2C	X	34.709	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	.03	.5
61	MP2C	X	34.709	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.03	5.5
64	MP3A	X	8.102	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.004	2
67	MP3A	X	8.102	4
68	MP3A	Z	0	4
69	MP3A	Mx	-.004	4
70	MP3B	X	17.756	2
71	MP3B	Z	0	2
72	MP3B	Mx	.003	2
73	MP3B	X	17.756	4
74	MP3B	Z	0	4
75	MP3B	Mx	.003	4
76	MP3C	X	10.835	2
77	MP3C	Z	0	2
78	MP3C	Mx	-.005	2
79	MP3C	X	10.835	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.005	4
82	M100	X	25.775	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	11.151	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	.006	2.25
88	MP1B	X	15.464	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	-.003	2.25
91	MP1C	X	14.017	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	-.005	2.25
94	MP3A	X	10.271	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	.005	2.25
97	MP3B	X	15.361	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	-.003	2.25
100	MP3C	X	13.654	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	-.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.678	2.25
2	MP2A	Z	5.01	2.25
3	MP2A	Mx	.004	2.25
4	MP2B	X	14.169	2.25
5	MP2B	Z	8.18	2.25
6	MP2B	Mx	.001	2.25
7	MP2C	X	7.663	2.25
8	MP2C	Z	4.424	2.25
9	MP2C	Mx	-.003	2.25
10	MP1A	X	22.348	.5
11	MP1A	Z	12.903	.5
12	MP1A	Mx	-.011	.5
13	MP1A	X	22.348	5.5
14	MP1A	Z	12.903	5.5
15	MP1A	Mx	-.011	5.5
16	MP1B	X	24.257	.5
17	MP1B	Z	14.005	.5
18	MP1B	Mx	-.002	.5
19	MP1B	X	24.257	5.5
20	MP1B	Z	14.005	5.5
21	MP1B	Mx	-.002	5.5
22	MP1C	X	21.995	.5
23	MP1C	Z	12.699	.5
24	MP1C	Mx	.012	.5
25	MP1C	X	21.995	5.5
26	MP1C	Z	12.699	5.5
27	MP1C	Mx	.012	5.5
28	MP2A	X	27.317	.5
29	MP2A	Z	15.771	.5
30	MP2A	Mx	-.025	.5
31	MP2A	X	27.317	5.5
32	MP2A	Z	15.771	5.5
33	MP2A	Mx	-.025	5.5
34	MP2B	X	33.178	.5
35	MP2B	Z	19.155	.5
36	MP2B	Mx	.023	.5
37	MP2B	X	33.178	5.5
38	MP2B	Z	19.155	5.5
39	MP2B	Mx	.023	5.5
40	MP2C	X	26.234	.5
41	MP2C	Z	15.146	.5
42	MP2C	Mx	.007	.5
43	MP2C	X	26.234	5.5
44	MP2C	Z	15.146	5.5
45	MP2C	Mx	.007	5.5
46	MP2A	X	27.317	.5
47	MP2A	Z	15.771	.5
48	MP2A	Mx	-.002	.5
49	MP2A	X	27.317	5.5
50	MP2A	Z	15.771	5.5
51	MP2A	Mx	-.002	5.5
52	MP2B	X	33.178	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	19.155	.5
54	MP2B	Mx	-.03	.5
55	MP2B	X	33.178	5.5
56	MP2B	Z	19.155	5.5
57	MP2B	Mx	-.03	5.5
58	MP2C	X	26.234	.5
59	MP2C	Z	15.146	.5
60	MP2C	Mx	.022	.5
61	MP2C	X	26.234	5.5
62	MP2C	Z	15.146	5.5
63	MP2C	Mx	.022	5.5
64	MP3A	X	9.384	2
65	MP3A	Z	5.418	2
66	MP3A	Mx	-.005	2
67	MP3A	X	9.384	4
68	MP3A	Z	5.418	4
69	MP3A	Mx	-.005	4
70	MP3B	X	16.199	2
71	MP3B	Z	9.352	2
72	MP3B	Mx	-.002	2
73	MP3B	X	16.199	4
74	MP3B	Z	9.352	4
75	MP3B	Mx	-.002	4
76	MP3C	X	14.118	2
77	MP3C	Z	8.151	2
78	MP3C	Mx	-.004	2
79	MP3C	X	14.118	4
80	MP3C	Z	8.151	4
81	MP3C	Mx	-.004	4
82	M100	X	23.879	1
83	M100	Z	13.787	1
84	M100	Mx	0	1
85	MP1A	X	10.714	2.25
86	MP1A	Z	6.186	2.25
87	MP1A	Mx	.005	2.25
88	MP1B	X	13.759	2.25
89	MP1B	Z	7.944	2.25
90	MP1B	Mx	.001	2.25
91	MP1C	X	10.152	2.25
92	MP1C	Z	5.861	2.25
93	MP1C	Mx	-.006	2.25
94	MP3A	X	10.143	2.25
95	MP3A	Z	5.856	2.25
96	MP3A	Mx	.005	2.25
97	MP3B	X	13.736	2.25
98	MP3B	Z	7.931	2.25
99	MP3B	Mx	.001	2.25
100	MP3C	X	9.479	2.25
101	MP3C	Z	5.473	2.25
102	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.212	2.25
2	MP2A	Z	12.492	2.25
3	MP2A	Mx	.003	2.25
4	MP2B	X	6.494	2.25
5	MP2B	Z	11.247	2.25
6	MP2B	Mx	.003	2.25
7	MP2C	X	4.042	2.25
8	MP2C	Z	7.001	2.25
9	MP2C	Mx	-.003	2.25
10	MP1A	X	13.668	.5
11	MP1A	Z	23.674	.5
12	MP1A	Mx	-.007	.5
13	MP1A	X	13.668	5.5
14	MP1A	Z	23.674	5.5
15	MP1A	Mx	-.007	5.5
16	MP1B	X	13.418	.5
17	MP1B	Z	23.241	.5
18	MP1B	Mx	-.009	.5
19	MP1B	X	13.418	5.5
20	MP1B	Z	23.241	5.5
21	MP1B	Mx	-.009	5.5
22	MP1C	X	12.566	.5
23	MP1C	Z	21.765	.5
24	MP1C	Mx	.012	.5
25	MP1C	X	12.566	5.5
26	MP1C	Z	21.765	5.5
27	MP1C	Mx	.012	5.5
28	MP2A	X	18.122	.5
29	MP2A	Z	31.388	.5
30	MP2A	Mx	-.031	.5
31	MP2A	X	18.122	5.5
32	MP2A	Z	31.388	5.5
33	MP2A	Mx	-.031	5.5
34	MP2B	X	17.355	.5
35	MP2B	Z	30.059	.5
36	MP2B	Mx	.008	.5
37	MP2B	X	17.355	5.5
38	MP2B	Z	30.059	5.5
39	MP2B	Mx	.008	5.5
40	MP2C	X	14.738	.5
41	MP2C	Z	25.527	.5
42	MP2C	Mx	.018	.5
43	MP2C	X	14.738	5.5
44	MP2C	Z	25.527	5.5
45	MP2C	Mx	.018	5.5
46	MP2A	X	18.122	.5
47	MP2A	Z	31.388	.5
48	MP2A	Mx	.013	.5
49	MP2A	X	18.122	5.5
50	MP2A	Z	31.388	5.5
51	MP2A	Mx	.013	5.5
52	MP2B	X	17.355	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	30.059	.5
54	MP2B	Mx	-.03	.5
55	MP2B	X	17.355	5.5
56	MP2B	Z	30.059	5.5
57	MP2B	Mx	-.03	5.5
58	MP2C	X	14.738	.5
59	MP2C	Z	25.527	.5
60	MP2C	Mx	.011	.5
61	MP2C	X	14.738	5.5
62	MP2C	Z	25.527	5.5
63	MP2C	Mx	.011	5.5
64	MP3A	X	8.151	2
65	MP3A	Z	14.118	2
66	MP3A	Mx	-.004	2
67	MP3A	X	8.151	4
68	MP3A	Z	14.118	4
69	MP3A	Mx	-.004	4
70	MP3B	X	7.259	2
71	MP3B	Z	12.573	2
72	MP3B	Mx	-.005	2
73	MP3B	X	7.259	4
74	MP3B	Z	12.573	4
75	MP3B	Mx	-.005	4
76	MP3C	X	9.517	2
77	MP3C	Z	16.484	2
78	MP3C	Mx	0	2
79	MP3C	X	9.517	4
80	MP3C	Z	16.484	4
81	MP3C	Mx	0	4
82	M100	X	15.585	1
83	M100	Z	26.994	1
84	M100	Mx	0	1
85	MP1A	X	7.407	2.25
86	MP1A	Z	12.829	2.25
87	MP1A	Mx	.004	2.25
88	MP1B	X	7.009	2.25
89	MP1B	Z	12.139	2.25
90	MP1B	Mx	.005	2.25
91	MP1C	X	5.649	2.25
92	MP1C	Z	9.784	2.25
93	MP1C	Mx	-.006	2.25
94	MP3A	X	7.297	2.25
95	MP3A	Z	12.639	2.25
96	MP3A	Mx	.004	2.25
97	MP3B	X	6.827	2.25
98	MP3B	Z	11.825	2.25
99	MP3B	Mx	.004	2.25
100	MP3C	X	5.223	2.25
101	MP3C	Z	9.046	2.25
102	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	16.626	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25
5	MP2B	Z	8.849	2.25
6	MP2B	Mx	.003	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	11.458	2.25
9	MP2C	Mx	-.004	2.25
10	MP1A	X	0	.5
11	MP1A	Z	28.102	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	28.102	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	25.398	.5
18	MP1B	Mx	-.012	.5
19	MP1B	X	0	5.5
20	MP1B	Z	25.398	5.5
21	MP1B	Mx	-.012	5.5
22	MP1C	X	0	.5
23	MP1C	Z	26.305	.5
24	MP1C	Mx	.01	.5
25	MP1C	X	0	5.5
26	MP1C	Z	26.305	5.5
27	MP1C	Mx	.01	5.5
28	MP2A	X	0	.5
29	MP2A	Z	38.594	.5
30	MP2A	Mx	-.027	.5
31	MP2A	X	0	5.5
32	MP2A	Z	38.594	5.5
33	MP2A	Mx	-.027	5.5
34	MP2B	X	0	.5
35	MP2B	Z	30.292	.5
36	MP2B	Mx	-.007	.5
37	MP2B	X	0	5.5
38	MP2B	Z	30.292	5.5
39	MP2B	Mx	-.007	5.5
40	MP2C	X	0	.5
41	MP2C	Z	33.077	.5
42	MP2C	Mx	.028	.5
43	MP2C	X	0	5.5
44	MP2C	Z	33.077	5.5
45	MP2C	Mx	.028	5.5
46	MP2A	X	0	.5
47	MP2A	Z	38.594	.5
48	MP2A	Mx	.027	.5
49	MP2A	X	0	5.5
50	MP2A	Z	38.594	5.5
51	MP2A	Mx	.027	5.5
52	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	30.292	.5
54	MP2B	Mx	-.022	.5
55	MP2B	X	0	5.5
56	MP2B	Z	30.292	5.5
57	MP2B	Mx	-.022	5.5
58	MP2C	X	0	.5
59	MP2C	Z	33.077	.5
60	MP2C	Mx	-.002	.5
61	MP2C	X	0	5.5
62	MP2C	Z	33.077	5.5
63	MP2C	Mx	-.002	5.5
64	MP3A	X	0	2
65	MP3A	Z	19.035	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	19.035	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	9.381	2
72	MP3B	Mx	-.004	2
73	MP3B	X	0	4
74	MP3B	Z	9.381	4
75	MP3B	Mx	-.004	4
76	MP3C	X	0	2
77	MP3C	Z	16.302	2
78	MP3C	Mx	.004	2
79	MP3C	X	0	4
80	MP3C	Z	16.302	4
81	MP3C	Mx	.004	4
82	M100	X	0	1
83	M100	Z	32.967	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	16.035	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	11.722	2.25
90	MP1B	Mx	.006	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	13.169	2.25
93	MP1C	Mx	-.005	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	16.035	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	10.946	2.25
99	MP3B	Mx	.005	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	12.653	2.25
102	MP3C	Mx	-.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.212	2.25
2	MP2A	Z	12.492	2.25
3	MP2A	Mx	-.003	2.25
4	MP2B	X	-4.042	2.25
5	MP2B	Z	7.001	2.25
6	MP2B	Mx	.003	2.25
7	MP2C	X	-7.798	2.25
8	MP2C	Z	13.507	2.25
9	MP2C	Mx	-.002	2.25
10	MP1A	X	-13.668	.5
11	MP1A	Z	23.674	.5
12	MP1A	Mx	.007	.5
13	MP1A	X	-13.668	5.5
14	MP1A	Z	23.674	5.5
15	MP1A	Mx	.007	5.5
16	MP1B	X	-12.566	.5
17	MP1B	Z	21.765	.5
18	MP1B	Mx	-.012	.5
19	MP1B	X	-12.566	5.5
20	MP1B	Z	21.765	5.5
21	MP1B	Mx	-.012	5.5
22	MP1C	X	-13.872	.5
23	MP1C	Z	24.027	.5
24	MP1C	Mx	.005	.5
25	MP1C	X	-13.872	5.5
26	MP1C	Z	24.027	5.5
27	MP1C	Mx	.005	5.5
28	MP2A	X	-18.122	.5
29	MP2A	Z	31.388	.5
30	MP2A	Mx	-.013	.5
31	MP2A	X	-18.122	5.5
32	MP2A	Z	31.388	5.5
33	MP2A	Mx	-.013	5.5
34	MP2B	X	-14.738	.5
35	MP2B	Z	25.527	.5
36	MP2B	Mx	-.018	.5
37	MP2B	X	-14.738	5.5
38	MP2B	Z	25.527	5.5
39	MP2B	Mx	-.018	5.5
40	MP2C	X	-18.747	.5
41	MP2C	Z	32.471	.5
42	MP2C	Mx	.031	.5
43	MP2C	X	-18.747	5.5
44	MP2C	Z	32.471	5.5
45	MP2C	Mx	.031	5.5
46	MP2A	X	-18.122	.5
47	MP2A	Z	31.388	.5
48	MP2A	Mx	.031	.5
49	MP2A	X	-18.122	5.5
50	MP2A	Z	31.388	5.5
51	MP2A	Mx	.031	5.5
52	MP2B	X	-14.738	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	25.527	.5
54	MP2B	Mx	-.011	.5
55	MP2B	X	-14.738	5.5
56	MP2B	Z	25.527	5.5
57	MP2B	Mx	-.011	5.5
58	MP2C	X	-18.747	.5
59	MP2C	Z	32.471	.5
60	MP2C	Mx	-.019	.5
61	MP2C	X	-18.747	5.5
62	MP2C	Z	32.471	5.5
63	MP2C	Mx	-.019	5.5
64	MP3A	X	-8.151	2
65	MP3A	Z	14.118	2
66	MP3A	Mx	.004	2
67	MP3A	X	-8.151	4
68	MP3A	Z	14.118	4
69	MP3A	Mx	.004	4
70	MP3B	X	-4.216	2
71	MP3B	Z	7.302	2
72	MP3B	Mx	-.004	2
73	MP3B	X	-4.216	4
74	MP3B	Z	7.302	4
75	MP3B	Mx	-.004	4
76	MP3C	X	-5.418	2
77	MP3C	Z	9.384	2
78	MP3C	Mx	.005	2
79	MP3C	X	-5.418	4
80	MP3C	Z	9.384	4
81	MP3C	Mx	.005	4
82	M100	X	-15.585	1
83	M100	Z	26.994	1
84	M100	Mx	0	1
85	MP1A	X	-7.407	2.25
86	MP1A	Z	12.829	2.25
87	MP1A	Mx	-.004	2.25
88	MP1B	X	-5.649	2.25
89	MP1B	Z	9.784	2.25
90	MP1B	Mx	.006	2.25
91	MP1C	X	-7.732	2.25
92	MP1C	Z	13.392	2.25
93	MP1C	Mx	-.003	2.25
94	MP3A	X	-7.297	2.25
95	MP3A	Z	12.639	2.25
96	MP3A	Mx	-.004	2.25
97	MP3B	X	-5.223	2.25
98	MP3B	Z	9.046	2.25
99	MP3B	Mx	.005	2.25
100	MP3C	X	-7.681	2.25
101	MP3C	Z	13.303	2.25
102	MP3C	Mx	-.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.678	2.25
2	MP2A	Z	5.01	2.25
3	MP2A	Mx	-.004	2.25
4	MP2B	X	-9.923	2.25
5	MP2B	Z	5.729	2.25
6	MP2B	Mx	.004	2.25
7	MP2C	X	-14.169	2.25
8	MP2C	Z	8.18	2.25
9	MP2C	Mx	.001	2.25
10	MP1A	X	-22.348	.5
11	MP1A	Z	12.903	.5
12	MP1A	Mx	.011	.5
13	MP1A	X	-22.348	5.5
14	MP1A	Z	12.903	5.5
15	MP1A	Mx	.011	5.5
16	MP1B	X	-22.781	.5
17	MP1B	Z	13.152	.5
18	MP1B	Mx	-.01	.5
19	MP1B	X	-22.781	5.5
20	MP1B	Z	13.152	5.5
21	MP1B	Mx	-.01	5.5
22	MP1C	X	-24.257	.5
23	MP1C	Z	14.005	.5
24	MP1C	Mx	-.002	.5
25	MP1C	X	-24.257	5.5
26	MP1C	Z	14.005	5.5
27	MP1C	Mx	-.002	5.5
28	MP2A	X	-27.317	.5
29	MP2A	Z	15.771	.5
30	MP2A	Mx	.002	.5
31	MP2A	X	-27.317	5.5
32	MP2A	Z	15.771	5.5
33	MP2A	Mx	.002	5.5
34	MP2B	X	-28.645	.5
35	MP2B	Z	16.538	.5
36	MP2B	Mx	-.028	.5
37	MP2B	X	-28.645	5.5
38	MP2B	Z	16.538	5.5
39	MP2B	Mx	-.028	5.5
40	MP2C	X	-33.178	.5
41	MP2C	Z	19.155	.5
42	MP2C	Mx	.023	.5
43	MP2C	X	-33.178	5.5
44	MP2C	Z	19.155	5.5
45	MP2C	Mx	.023	5.5
46	MP2A	X	-27.317	.5
47	MP2A	Z	15.771	.5
48	MP2A	Mx	.025	.5
49	MP2A	X	-27.317	5.5
50	MP2A	Z	15.771	5.5
51	MP2A	Mx	.025	5.5
52	MP2B	X	-28.645	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	16.538	.5
54	MP2B	Mx	.002	.5
55	MP2B	X	-28.645	5.5
56	MP2B	Z	16.538	5.5
57	MP2B	Mx	.002	5.5
58	MP2C	X	-33.178	.5
59	MP2C	Z	19.155	.5
60	MP2C	Mx	-.03	.5
61	MP2C	X	-33.178	5.5
62	MP2C	Z	19.155	5.5
63	MP2C	Mx	-.03	5.5
64	MP3A	X	-9.384	2
65	MP3A	Z	5.418	2
66	MP3A	Mx	.005	2
67	MP3A	X	-9.384	4
68	MP3A	Z	5.418	4
69	MP3A	Mx	.005	4
70	MP3B	X	-10.929	2
71	MP3B	Z	6.31	2
72	MP3B	Mx	-.005	2
73	MP3B	X	-10.929	4
74	MP3B	Z	6.31	4
75	MP3B	Mx	-.005	4
76	MP3C	X	-7.017	2
77	MP3C	Z	4.051	2
78	MP3C	Mx	.004	2
79	MP3C	X	-7.017	4
80	MP3C	Z	4.051	4
81	MP3C	Mx	.004	4
82	M100	X	-23.879	1
83	M100	Z	13.787	1
84	M100	Mx	0	1
85	MP1A	X	-10.714	2.25
86	MP1A	Z	6.186	2.25
87	MP1A	Mx	-.005	2.25
88	MP1B	X	-11.405	2.25
89	MP1B	Z	6.584	2.25
90	MP1B	Mx	.005	2.25
91	MP1C	X	-13.759	2.25
92	MP1C	Z	7.944	2.25
93	MP1C	Mx	.001	2.25
94	MP3A	X	-10.143	2.25
95	MP3A	Z	5.856	2.25
96	MP3A	Mx	-.005	2.25
97	MP3B	X	-10.958	2.25
98	MP3B	Z	6.326	2.25
99	MP3B	Mx	.005	2.25
100	MP3C	X	-13.736	2.25
101	MP3C	Z	7.931	2.25
102	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.819	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.003	2.25
4	MP2B	X	-15.596	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	.002	2.25
7	MP2C	X	-12.987	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	.003	2.25
10	MP1A	X	-25.04	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	.013	.5
13	MP1A	X	-25.04	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	.013	5.5
16	MP1B	X	-27.744	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	-.005	.5
19	MP1B	X	-27.744	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	-.005	5.5
22	MP1C	X	-26.837	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	-.009	.5
25	MP1C	X	-26.837	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	-.009	5.5
28	MP2A	X	-29.192	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	.015	.5
31	MP2A	X	-29.192	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	.015	5.5
34	MP2B	X	-37.494	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	-.031	.5
37	MP2B	X	-37.494	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	-.031	5.5
40	MP2C	X	-34.709	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	.008	.5
43	MP2C	X	-34.709	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	.008	5.5
46	MP2A	X	-29.192	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	.015	.5
49	MP2A	X	-29.192	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.015	5.5
52	MP2B	X	-37.494	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	.019	.5
55	MP2B	X	-37.494	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.019	5.5
58	MP2C	X	-34.709	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	-.03	.5
61	MP2C	X	-34.709	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.03	5.5
64	MP3A	X	-8.102	2
65	MP3A	Z	0	2
66	MP3A	Mx	.004	2
67	MP3A	X	-8.102	4
68	MP3A	Z	0	4
69	MP3A	Mx	.004	4
70	MP3B	X	-17.756	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.003	2
73	MP3B	X	-17.756	4
74	MP3B	Z	0	4
75	MP3B	Mx	-.003	4
76	MP3C	X	-10.835	2
77	MP3C	Z	0	2
78	MP3C	Mx	.005	2
79	MP3C	X	-10.835	4
80	MP3C	Z	0	4
81	MP3C	Mx	.005	4
82	M100	X	-25.775	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	-11.151	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	-.006	2.25
88	MP1B	X	-15.464	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	.003	2.25
91	MP1C	X	-14.017	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	.005	2.25
94	MP3A	X	-10.271	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	-.005	2.25
97	MP3B	X	-15.361	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	.003	2.25
100	MP3C	X	-13.654	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.678	2.25
2	MP2A	Z	-5.01	2.25
3	MP2A	Mx	-.004	2.25
4	MP2B	X	-14.169	2.25
5	MP2B	Z	-8.18	2.25
6	MP2B	Mx	-.001	2.25
7	MP2C	X	-7.663	2.25
8	MP2C	Z	-4.424	2.25
9	MP2C	Mx	.003	2.25
10	MP1A	X	-22.348	.5
11	MP1A	Z	-12.903	.5
12	MP1A	Mx	.011	.5
13	MP1A	X	-22.348	5.5
14	MP1A	Z	-12.903	5.5
15	MP1A	Mx	.011	5.5
16	MP1B	X	-24.257	.5
17	MP1B	Z	-14.005	.5
18	MP1B	Mx	.002	.5
19	MP1B	X	-24.257	5.5
20	MP1B	Z	-14.005	5.5
21	MP1B	Mx	.002	5.5
22	MP1C	X	-21.995	.5
23	MP1C	Z	-12.699	.5
24	MP1C	Mx	-.012	.5
25	MP1C	X	-21.995	5.5
26	MP1C	Z	-12.699	5.5
27	MP1C	Mx	-.012	5.5
28	MP2A	X	-27.317	.5
29	MP2A	Z	-15.771	.5
30	MP2A	Mx	.025	.5
31	MP2A	X	-27.317	5.5
32	MP2A	Z	-15.771	5.5
33	MP2A	Mx	.025	5.5
34	MP2B	X	-33.178	.5
35	MP2B	Z	-19.155	.5
36	MP2B	Mx	-.023	.5
37	MP2B	X	-33.178	5.5
38	MP2B	Z	-19.155	5.5
39	MP2B	Mx	-.023	5.5
40	MP2C	X	-26.234	.5
41	MP2C	Z	-15.146	.5
42	MP2C	Mx	-.007	.5
43	MP2C	X	-26.234	5.5
44	MP2C	Z	-15.146	5.5
45	MP2C	Mx	-.007	5.5
46	MP2A	X	-27.317	.5
47	MP2A	Z	-15.771	.5
48	MP2A	Mx	.002	.5
49	MP2A	X	-27.317	5.5
50	MP2A	Z	-15.771	5.5
51	MP2A	Mx	.002	5.5
52	MP2B	X	-33.178	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-19.155	.5
54	MP2B	Mx	.03	.5
55	MP2B	X	-33.178	5.5
56	MP2B	Z	-19.155	5.5
57	MP2B	Mx	.03	5.5
58	MP2C	X	-26.234	.5
59	MP2C	Z	-15.146	.5
60	MP2C	Mx	-.022	.5
61	MP2C	X	-26.234	5.5
62	MP2C	Z	-15.146	5.5
63	MP2C	Mx	-.022	5.5
64	MP3A	X	-9.384	2
65	MP3A	Z	-5.418	2
66	MP3A	Mx	.005	2
67	MP3A	X	-9.384	4
68	MP3A	Z	-5.418	4
69	MP3A	Mx	.005	4
70	MP3B	X	-16.199	2
71	MP3B	Z	-9.352	2
72	MP3B	Mx	.002	2
73	MP3B	X	-16.199	4
74	MP3B	Z	-9.352	4
75	MP3B	Mx	.002	4
76	MP3C	X	-14.118	2
77	MP3C	Z	-8.151	2
78	MP3C	Mx	.004	2
79	MP3C	X	-14.118	4
80	MP3C	Z	-8.151	4
81	MP3C	Mx	.004	4
82	M100	X	-23.879	1
83	M100	Z	-13.787	1
84	M100	Mx	0	1
85	MP1A	X	-10.714	2.25
86	MP1A	Z	-6.186	2.25
87	MP1A	Mx	-.005	2.25
88	MP1B	X	-13.759	2.25
89	MP1B	Z	-7.944	2.25
90	MP1B	Mx	-.001	2.25
91	MP1C	X	-10.152	2.25
92	MP1C	Z	-5.861	2.25
93	MP1C	Mx	.006	2.25
94	MP3A	X	-10.143	2.25
95	MP3A	Z	-5.856	2.25
96	MP3A	Mx	-.005	2.25
97	MP3B	X	-13.736	2.25
98	MP3B	Z	-7.931	2.25
99	MP3B	Mx	-.001	2.25
100	MP3C	X	-9.479	2.25
101	MP3C	Z	-5.473	2.25
102	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.212	2.25
2	MP2A	Z	-12.492	2.25
3	MP2A	Mx	-.003	2.25
4	MP2B	X	-6.494	2.25
5	MP2B	Z	-11.247	2.25
6	MP2B	Mx	-.003	2.25
7	MP2C	X	-4.042	2.25
8	MP2C	Z	-7.001	2.25
9	MP2C	Mx	.003	2.25
10	MP1A	X	-13.668	.5
11	MP1A	Z	-23.674	.5
12	MP1A	Mx	.007	.5
13	MP1A	X	-13.668	5.5
14	MP1A	Z	-23.674	5.5
15	MP1A	Mx	.007	5.5
16	MP1B	X	-13.418	.5
17	MP1B	Z	-23.241	.5
18	MP1B	Mx	.009	.5
19	MP1B	X	-13.418	5.5
20	MP1B	Z	-23.241	5.5
21	MP1B	Mx	.009	5.5
22	MP1C	X	-12.566	.5
23	MP1C	Z	-21.765	.5
24	MP1C	Mx	-.012	.5
25	MP1C	X	-12.566	5.5
26	MP1C	Z	-21.765	5.5
27	MP1C	Mx	-.012	5.5
28	MP2A	X	-18.122	.5
29	MP2A	Z	-31.388	.5
30	MP2A	Mx	.031	.5
31	MP2A	X	-18.122	5.5
32	MP2A	Z	-31.388	5.5
33	MP2A	Mx	.031	5.5
34	MP2B	X	-17.355	.5
35	MP2B	Z	-30.059	.5
36	MP2B	Mx	-.008	.5
37	MP2B	X	-17.355	5.5
38	MP2B	Z	-30.059	5.5
39	MP2B	Mx	-.008	5.5
40	MP2C	X	-14.738	.5
41	MP2C	Z	-25.527	.5
42	MP2C	Mx	-.018	.5
43	MP2C	X	-14.738	5.5
44	MP2C	Z	-25.527	5.5
45	MP2C	Mx	-.018	5.5
46	MP2A	X	-18.122	.5
47	MP2A	Z	-31.388	.5
48	MP2A	Mx	-.013	.5
49	MP2A	X	-18.122	5.5
50	MP2A	Z	-31.388	5.5
51	MP2A	Mx	-.013	5.5
52	MP2B	X	-17.355	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-30.059	.5
54	MP2B	Mx	.03	.5
55	MP2B	X	-17.355	5.5
56	MP2B	Z	-30.059	5.5
57	MP2B	Mx	.03	5.5
58	MP2C	X	-14.738	.5
59	MP2C	Z	-25.527	.5
60	MP2C	Mx	-.011	.5
61	MP2C	X	-14.738	5.5
62	MP2C	Z	-25.527	5.5
63	MP2C	Mx	-.011	5.5
64	MP3A	X	-8.151	2
65	MP3A	Z	-14.118	2
66	MP3A	Mx	.004	2
67	MP3A	X	-8.151	4
68	MP3A	Z	-14.118	4
69	MP3A	Mx	.004	4
70	MP3B	X	-7.259	2
71	MP3B	Z	-12.573	2
72	MP3B	Mx	.005	2
73	MP3B	X	-7.259	4
74	MP3B	Z	-12.573	4
75	MP3B	Mx	.005	4
76	MP3C	X	-9.517	2
77	MP3C	Z	-16.484	2
78	MP3C	Mx	0	2
79	MP3C	X	-9.517	4
80	MP3C	Z	-16.484	4
81	MP3C	Mx	0	4
82	M100	X	-15.585	1
83	M100	Z	-26.994	1
84	M100	Mx	0	1
85	MP1A	X	-7.407	2.25
86	MP1A	Z	-12.829	2.25
87	MP1A	Mx	-.004	2.25
88	MP1B	X	-7.009	2.25
89	MP1B	Z	-12.139	2.25
90	MP1B	Mx	-.005	2.25
91	MP1C	X	-5.649	2.25
92	MP1C	Z	-9.784	2.25
93	MP1C	Mx	.006	2.25
94	MP3A	X	-7.297	2.25
95	MP3A	Z	-12.639	2.25
96	MP3A	Mx	-.004	2.25
97	MP3B	X	-6.827	2.25
98	MP3B	Z	-11.825	2.25
99	MP3B	Mx	-.004	2.25
100	MP3C	X	-5.223	2.25
101	MP3C	Z	-9.046	2.25
102	MP3C	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-5.064	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25
5	MP2B	Z	-2.466	2.25
6	MP2B	Mx	-.000966	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	-3.338	2.25
9	MP2C	Mx	.001	2.25
10	MP1A	X	0	.5
11	MP1A	Z	-9.107	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	-9.107	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	-8.09	.5
18	MP1B	Mx	.004	.5
19	MP1B	X	0	5.5
20	MP1B	Z	-8.09	5.5
21	MP1B	Mx	.004	5.5
22	MP1C	X	0	.5
23	MP1C	Z	-8.431	.5
24	MP1C	Mx	-.003	.5
25	MP1C	X	0	5.5
26	MP1C	Z	-8.431	5.5
27	MP1C	Mx	-.003	5.5
28	MP2A	X	0	.5
29	MP2A	Z	-12.75	.5
30	MP2A	Mx	.009	.5
31	MP2A	X	0	5.5
32	MP2A	Z	-12.75	5.5
33	MP2A	Mx	.009	5.5
34	MP2B	X	0	.5
35	MP2B	Z	-9.862	.5
36	MP2B	Mx	.002	.5
37	MP2B	X	0	5.5
38	MP2B	Z	-9.862	5.5
39	MP2B	Mx	.002	5.5
40	MP2C	X	0	.5
41	MP2C	Z	-10.831	.5
42	MP2C	Mx	-.009	.5
43	MP2C	X	0	5.5
44	MP2C	Z	-10.831	5.5
45	MP2C	Mx	-.009	5.5
46	MP2A	X	0	.5
47	MP2A	Z	-12.75	.5
48	MP2A	Mx	-.009	.5
49	MP2A	X	0	5.5
50	MP2A	Z	-12.75	5.5
51	MP2A	Mx	-.009	5.5
52	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-9.862	.5
54	MP2B	Mx	.007	.5
55	MP2B	X	0	5.5
56	MP2B	Z	-9.862	5.5
57	MP2B	Mx	.007	5.5
58	MP2C	X	0	.5
59	MP2C	Z	-10.831	.5
60	MP2C	Mx	.000783	.5
61	MP2C	X	0	5.5
62	MP2C	Z	-10.831	5.5
63	MP2C	Mx	.000783	5.5
64	MP3A	X	0	2
65	MP3A	Z	-6.072	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	-6.072	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	-2.809	2
72	MP3B	Mx	.001	2
73	MP3B	X	0	4
74	MP3B	Z	-2.809	4
75	MP3B	Mx	.001	4
76	MP3C	X	0	2
77	MP3C	Z	-5.148	2
78	MP3C	Mx	-.001	2
79	MP3C	X	0	4
80	MP3C	Z	-5.148	4
81	MP3C	Mx	-.001	4
82	M100	X	0	1
83	M100	Z	-10.489	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	-4.831	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	-3.417	2.25
90	MP1B	Mx	-.002	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	-3.891	2.25
93	MP1C	Mx	.001	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	-4.831	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	-3.16	2.25
99	MP3B	Mx	-.001	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	-3.721	2.25
102	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.164	2.25
2	MP2A	Z	-3.749	2.25
3	MP2A	Mx	.000902	2.25
4	MP2B	X	1.105	2.25
5	MP2B	Z	-1.915	2.25
6	MP2B	Mx	-.000907	2.25
7	MP2C	X	2.36	2.25
8	MP2C	Z	-4.087	2.25
9	MP2C	Mx	.000672	2.25
10	MP1A	X	4.41	.5
11	MP1A	Z	-7.638	.5
12	MP1A	Mx	-.002	.5
13	MP1A	X	4.41	5.5
14	MP1A	Z	-7.638	5.5
15	MP1A	Mx	-.002	5.5
16	MP1B	X	3.995	.5
17	MP1B	Z	-6.92	.5
18	MP1B	Mx	.004	.5
19	MP1B	X	3.995	5.5
20	MP1B	Z	-6.92	5.5
21	MP1B	Mx	.004	5.5
22	MP1C	X	4.486	.5
23	MP1C	Z	-7.77	.5
24	MP1C	Mx	-.002	.5
25	MP1C	X	4.486	5.5
26	MP1C	Z	-7.77	5.5
27	MP1C	Mx	-.002	5.5
28	MP2A	X	5.966	.5
29	MP2A	Z	-10.334	.5
30	MP2A	Mx	.004	.5
31	MP2A	X	5.966	5.5
32	MP2A	Z	-10.334	5.5
33	MP2A	Mx	.004	5.5
34	MP2B	X	4.789	.5
35	MP2B	Z	-8.295	.5
36	MP2B	Mx	.006	.5
37	MP2B	X	4.789	5.5
38	MP2B	Z	-8.295	5.5
39	MP2B	Mx	.006	5.5
40	MP2C	X	6.184	.5
41	MP2C	Z	-10.711	.5
42	MP2C	Mx	-.01	.5
43	MP2C	X	6.184	5.5
44	MP2C	Z	-10.711	5.5
45	MP2C	Mx	-.01	5.5
46	MP2A	X	5.966	.5
47	MP2A	Z	-10.334	.5
48	MP2A	Mx	-.01	.5
49	MP2A	X	5.966	5.5
50	MP2A	Z	-10.334	5.5
51	MP2A	Mx	-.01	5.5
52	MP2B	X	4.789	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-8.295	.5
54	MP2B	Mx	.004	.5
55	MP2B	X	4.789	5.5
56	MP2B	Z	-8.295	5.5
57	MP2B	Mx	.004	5.5
58	MP2C	X	6.184	.5
59	MP2C	Z	-10.711	.5
60	MP2C	Mx	.006	.5
61	MP2C	X	6.184	5.5
62	MP2C	Z	-10.711	5.5
63	MP2C	Mx	.006	5.5
64	MP3A	X	2.574	2
65	MP3A	Z	-4.458	2
66	MP3A	Mx	-.001	2
67	MP3A	X	2.574	4
68	MP3A	Z	-4.458	4
69	MP3A	Mx	-.001	4
70	MP3B	X	1.244	2
71	MP3B	Z	-2.155	2
72	MP3B	Mx	.001	2
73	MP3B	X	1.244	4
74	MP3B	Z	-2.155	4
75	MP3B	Mx	.001	4
76	MP3C	X	1.65	2
77	MP3C	Z	-2.858	2
78	MP3C	Mx	-.001	2
79	MP3C	X	1.65	4
80	MP3C	Z	-2.858	4
81	MP3C	Mx	-.001	4
82	M100	X	4.934	1
83	M100	Z	-8.546	1
84	M100	Mx	0	1
85	MP1A	X	2.215	2.25
86	MP1A	Z	-3.837	2.25
87	MP1A	Mx	.001	2.25
88	MP1B	X	1.639	2.25
89	MP1B	Z	-2.839	2.25
90	MP1B	Mx	-.002	2.25
91	MP1C	X	2.322	2.25
92	MP1C	Z	-4.022	2.25
93	MP1C	Mx	.000794	2.25
94	MP3A	X	2.179	2.25
95	MP3A	Z	-3.774	2.25
96	MP3A	Mx	.001	2.25
97	MP3B	X	1.498	2.25
98	MP3B	Z	-2.595	2.25
99	MP3B	Mx	-.001	2.25
100	MP3C	X	2.305	2.25
101	MP3C	Z	-3.992	2.25
102	MP3C	Mx	.000788	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.475	2.25
2	MP2A	Z	-1.429	2.25
3	MP2A	Mx	.001	2.25
4	MP2B	X	2.89	2.25
5	MP2B	Z	-1.669	2.25
6	MP2B	Mx	-.001	2.25
7	MP2C	X	4.309	2.25
8	MP2C	Z	-2.488	2.25
9	MP2C	Mx	-.00036	2.25
10	MP1A	X	7.139	.5
11	MP1A	Z	-4.122	.5
12	MP1A	Mx	-.004	.5
13	MP1A	X	7.139	5.5
14	MP1A	Z	-4.122	5.5
15	MP1A	Mx	-.004	5.5
16	MP1B	X	7.302	.5
17	MP1B	Z	-4.216	.5
18	MP1B	Mx	.003	.5
19	MP1B	X	7.302	5.5
20	MP1B	Z	-4.216	5.5
21	MP1B	Mx	.003	5.5
22	MP1C	X	7.857	.5
23	MP1C	Z	-4.536	.5
24	MP1C	Mx	.000788	.5
25	MP1C	X	7.857	5.5
26	MP1C	Z	-4.536	5.5
27	MP1C	Mx	.000788	5.5
28	MP2A	X	8.917	.5
29	MP2A	Z	-5.148	.5
30	MP2A	Mx	-.000812	.5
31	MP2A	X	8.917	5.5
32	MP2A	Z	-5.148	5.5
33	MP2A	Mx	-.000812	5.5
34	MP2B	X	9.38	.5
35	MP2B	Z	-5.415	.5
36	MP2B	Mx	.009	.5
37	MP2B	X	9.38	5.5
38	MP2B	Z	-5.415	5.5
39	MP2B	Mx	.009	5.5
40	MP2C	X	10.957	.5
41	MP2C	Z	-6.326	.5
42	MP2C	Mx	-.008	.5
43	MP2C	X	10.957	5.5
44	MP2C	Z	-6.326	5.5
45	MP2C	Mx	-.008	5.5
46	MP2A	X	8.917	.5
47	MP2A	Z	-5.148	.5
48	MP2A	Mx	-.008	.5
49	MP2A	X	8.917	5.5
50	MP2A	Z	-5.148	5.5
51	MP2A	Mx	-.008	5.5
52	MP2B	X	9.38	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-5.415	.5
54	MP2B	Mx	-.000783	.5
55	MP2B	X	9.38	5.5
56	MP2B	Z	-5.415	5.5
57	MP2B	Mx	-.000783	5.5
58	MP2C	X	10.957	.5
59	MP2C	Z	-6.326	.5
60	MP2C	Mx	.01	.5
61	MP2C	X	10.957	5.5
62	MP2C	Z	-6.326	5.5
63	MP2C	Mx	.01	5.5
64	MP3A	X	2.858	2
65	MP3A	Z	-1.65	2
66	MP3A	Mx	-.001	2
67	MP3A	X	2.858	4
68	MP3A	Z	-1.65	4
69	MP3A	Mx	-.001	4
70	MP3B	X	3.381	2
71	MP3B	Z	-1.952	2
72	MP3B	Mx	.001	2
73	MP3B	X	3.381	4
74	MP3B	Z	-1.952	4
75	MP3B	Mx	.001	4
76	MP3C	X	2.059	2
77	MP3C	Z	-1.188	2
78	MP3C	Mx	-.001	2
79	MP3C	X	2.059	4
80	MP3C	Z	-1.188	4
81	MP3C	Mx	-.001	4
82	M100	X	7.469	1
83	M100	Z	-4.312	1
84	M100	Mx	0	1
85	MP1A	X	3.144	2.25
86	MP1A	Z	-1.815	2.25
87	MP1A	Mx	.002	2.25
88	MP1B	X	3.37	2.25
89	MP1B	Z	-1.946	2.25
90	MP1B	Mx	-.001	2.25
91	MP1C	X	4.142	2.25
92	MP1C	Z	-2.392	2.25
93	MP1C	Mx	-.000415	2.25
94	MP3A	X	2.955	2.25
95	MP3A	Z	-1.706	2.25
96	MP3A	Mx	.001	2.25
97	MP3B	X	3.222	2.25
98	MP3B	Z	-1.86	2.25
99	MP3B	Mx	-.001	2.25
100	MP3C	X	4.135	2.25
101	MP3C	Z	-2.387	2.25
102	MP3C	Mx	-.000415	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.122	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.000884	2.25
4	MP2B	X	4.72	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	-.000673	2.25
7	MP2C	X	3.848	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	-.001	2.25
10	MP1A	X	7.955	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	-.004	.5
13	MP1A	X	7.955	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	-.004	5.5
16	MP1B	X	8.973	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	.002	.5
19	MP1B	X	8.973	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	.002	5.5
22	MP1C	X	8.631	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	.003	.5
25	MP1C	X	8.631	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	.003	5.5
28	MP2A	X	9.479	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	-.005	.5
31	MP2A	X	9.479	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	-.005	5.5
34	MP2B	X	12.368	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	.01	.5
37	MP2B	X	12.368	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	.01	5.5
40	MP2C	X	11.399	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	-.003	.5
43	MP2C	X	11.399	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	-.003	5.5
46	MP2A	X	9.479	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	-.005	.5
49	MP2A	X	9.479	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	-.005	5.5
52	MP2B	X	12.368	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	-.006	.5
55	MP2B	X	12.368	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	-.006	5.5
58	MP2C	X	11.399	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	.01	.5
61	MP2C	X	11.399	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	.01	5.5
64	MP3A	X	2.377	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.001	2
67	MP3A	X	2.377	4
68	MP3A	Z	0	4
69	MP3A	Mx	-.001	4
70	MP3B	X	5.639	2
71	MP3B	Z	0	2
72	MP3B	Mx	.000964	2
73	MP3B	X	5.639	4
74	MP3B	Z	0	4
75	MP3B	Mx	.000964	4
76	MP3C	X	3.301	2
77	MP3C	Z	0	2
78	MP3C	Mx	-.001	2
79	MP3C	X	3.301	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.001	4
82	M100	X	8.003	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	3.23	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	.002	2.25
88	MP1B	X	4.644	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	-.000794	2.25
91	MP1C	X	4.17	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	-.001	2.25
94	MP3A	X	2.939	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	.001	2.25
97	MP3B	X	4.61	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	-.000788	2.25
100	MP3C	X	4.049	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.475	2.25
2	MP2A	Z	1.429	2.25
3	MP2A	Mx	.001	2.25
4	MP2B	X	4.309	2.25
5	MP2B	Z	2.488	2.25
6	MP2B	Mx	.00036	2.25
7	MP2C	X	2.136	2.25
8	MP2C	Z	1.233	2.25
9	MP2C	Mx	-.000966	2.25
10	MP1A	X	7.139	.5
11	MP1A	Z	4.122	.5
12	MP1A	Mx	-.004	.5
13	MP1A	X	7.139	5.5
14	MP1A	Z	4.122	5.5
15	MP1A	Mx	-.004	5.5
16	MP1B	X	7.857	.5
17	MP1B	Z	4.536	.5
18	MP1B	Mx	-.000788	.5
19	MP1B	X	7.857	5.5
20	MP1B	Z	4.536	5.5
21	MP1B	Mx	-.000788	5.5
22	MP1C	X	7.006	.5
23	MP1C	Z	4.045	.5
24	MP1C	Mx	.004	.5
25	MP1C	X	7.006	5.5
26	MP1C	Z	4.045	5.5
27	MP1C	Mx	.004	5.5
28	MP2A	X	8.917	.5
29	MP2A	Z	5.148	.5
30	MP2A	Mx	-.008	.5
31	MP2A	X	8.917	5.5
32	MP2A	Z	5.148	5.5
33	MP2A	Mx	-.008	5.5
34	MP2B	X	10.957	.5
35	MP2B	Z	6.326	.5
36	MP2B	Mx	.008	.5
37	MP2B	X	10.957	5.5
38	MP2B	Z	6.326	5.5
39	MP2B	Mx	.008	5.5
40	MP2C	X	8.541	.5
41	MP2C	Z	4.931	.5
42	MP2C	Mx	.002	.5
43	MP2C	X	8.541	5.5
44	MP2C	Z	4.931	5.5
45	MP2C	Mx	.002	5.5
46	MP2A	X	8.917	.5
47	MP2A	Z	5.148	.5
48	MP2A	Mx	-.000812	.5
49	MP2A	X	8.917	5.5
50	MP2A	Z	5.148	5.5
51	MP2A	Mx	-.000812	5.5
52	MP2B	X	10.957	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	6.326	.5
54	MP2B	Mx	-.01	.5
55	MP2B	X	10.957	5.5
56	MP2B	Z	6.326	5.5
57	MP2B	Mx	-.01	5.5
58	MP2C	X	8.541	.5
59	MP2C	Z	4.931	.5
60	MP2C	Mx	.007	.5
61	MP2C	X	8.541	5.5
62	MP2C	Z	4.931	5.5
63	MP2C	Mx	.007	5.5
64	MP3A	X	2.858	2
65	MP3A	Z	1.65	2
66	MP3A	Mx	-.001	2
67	MP3A	X	2.858	4
68	MP3A	Z	1.65	4
69	MP3A	Mx	-.001	4
70	MP3B	X	5.162	2
71	MP3B	Z	2.98	2
72	MP3B	Mx	-.000517	2
73	MP3B	X	5.162	4
74	MP3B	Z	2.98	4
75	MP3B	Mx	-.000517	4
76	MP3C	X	4.458	2
77	MP3C	Z	2.574	2
78	MP3C	Mx	-.001	2
79	MP3C	X	4.458	4
80	MP3C	Z	2.574	4
81	MP3C	Mx	-.001	4
82	M100	X	7.469	1
83	M100	Z	4.312	1
84	M100	Mx	0	1
85	MP1A	X	3.144	2.25
86	MP1A	Z	1.815	2.25
87	MP1A	Mx	.002	2.25
88	MP1B	X	4.142	2.25
89	MP1B	Z	2.392	2.25
90	MP1B	Mx	.000416	2.25
91	MP1C	X	2.959	2.25
92	MP1C	Z	1.708	2.25
93	MP1C	Mx	-.002	2.25
94	MP3A	X	2.955	2.25
95	MP3A	Z	1.706	2.25
96	MP3A	Mx	.001	2.25
97	MP3B	X	4.135	2.25
98	MP3B	Z	2.387	2.25
99	MP3B	Mx	.000414	2.25
100	MP3C	X	2.737	2.25
101	MP3C	Z	1.58	2.25
102	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.164	2.25
2	MP2A	Z	3.749	2.25
3	MP2A	Mx	.000902	2.25
4	MP2B	X	1.924	2.25
5	MP2B	Z	3.333	2.25
6	MP2B	Mx	.001	2.25
7	MP2C	X	1.105	2.25
8	MP2C	Z	1.915	2.25
9	MP2C	Mx	-.000907	2.25
10	MP1A	X	4.41	.5
11	MP1A	Z	7.638	.5
12	MP1A	Mx	-.002	.5
13	MP1A	X	4.41	5.5
14	MP1A	Z	7.638	5.5
15	MP1A	Mx	-.002	5.5
16	MP1B	X	4.316	.5
17	MP1B	Z	7.475	.5
18	MP1B	Mx	-.003	.5
19	MP1B	X	4.316	5.5
20	MP1B	Z	7.475	5.5
21	MP1B	Mx	-.003	5.5
22	MP1C	X	3.995	.5
23	MP1C	Z	6.92	.5
24	MP1C	Mx	.004	.5
25	MP1C	X	3.995	5.5
26	MP1C	Z	6.92	5.5
27	MP1C	Mx	.004	5.5
28	MP2A	X	5.966	.5
29	MP2A	Z	10.334	.5
30	MP2A	Mx	-.01	.5
31	MP2A	X	5.966	5.5
32	MP2A	Z	10.334	5.5
33	MP2A	Mx	-.01	5.5
34	MP2B	X	5.699	.5
35	MP2B	Z	9.872	.5
36	MP2B	Mx	.003	.5
37	MP2B	X	5.699	5.5
38	MP2B	Z	9.872	5.5
39	MP2B	Mx	.003	5.5
40	MP2C	X	4.789	.5
41	MP2C	Z	8.295	.5
42	MP2C	Mx	.006	.5
43	MP2C	X	4.789	5.5
44	MP2C	Z	8.295	5.5
45	MP2C	Mx	.006	5.5
46	MP2A	X	5.966	.5
47	MP2A	Z	10.334	.5
48	MP2A	Mx	.004	.5
49	MP2A	X	5.966	5.5
50	MP2A	Z	10.334	5.5
51	MP2A	Mx	.004	5.5
52	MP2B	X	5.699	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	9.872	.5
54	MP2B	Mx	-.01	.5
55	MP2B	X	5.699	5.5
56	MP2B	Z	9.872	5.5
57	MP2B	Mx	-.01	5.5
58	MP2C	X	4.789	.5
59	MP2C	Z	8.295	.5
60	MP2C	Mx	.004	.5
61	MP2C	X	4.789	5.5
62	MP2C	Z	8.295	5.5
63	MP2C	Mx	.004	5.5
64	MP3A	X	2.574	2
65	MP3A	Z	4.458	2
66	MP3A	Mx	-.001	2
67	MP3A	X	2.574	4
68	MP3A	Z	4.458	4
69	MP3A	Mx	-.001	4
70	MP3B	X	2.273	2
71	MP3B	Z	3.936	2
72	MP3B	Mx	-.001	2
73	MP3B	X	2.273	4
74	MP3B	Z	3.936	4
75	MP3B	Mx	-.001	4
76	MP3C	X	3.036	2
77	MP3C	Z	5.258	2
78	MP3C	Mx	0	2
79	MP3C	X	3.036	4
80	MP3C	Z	5.258	4
81	MP3C	Mx	0	4
82	M100	X	4.934	1
83	M100	Z	8.546	1
84	M100	Mx	0	1
85	MP1A	X	2.215	2.25
86	MP1A	Z	3.837	2.25
87	MP1A	Mx	.001	2.25
88	MP1B	X	2.085	2.25
89	MP1B	Z	3.611	2.25
90	MP1B	Mx	.001	2.25
91	MP1C	X	1.639	2.25
92	MP1C	Z	2.839	2.25
93	MP1C	Mx	-.002	2.25
94	MP3A	X	2.179	2.25
95	MP3A	Z	3.774	2.25
96	MP3A	Mx	.001	2.25
97	MP3B	X	2.025	2.25
98	MP3B	Z	3.507	2.25
99	MP3B	Mx	.001	2.25
100	MP3C	X	1.498	2.25
101	MP3C	Z	2.595	2.25
102	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	5.064	2.25
3	MP2A	Mx	0	2.25
4	MP2B	X	0	2.25
5	MP2B	Z	2.466	2.25
6	MP2B	Mx	.000966	2.25
7	MP2C	X	0	2.25
8	MP2C	Z	3.338	2.25
9	MP2C	Mx	-.001	2.25
10	MP1A	X	0	.5
11	MP1A	Z	9.107	.5
12	MP1A	Mx	0	.5
13	MP1A	X	0	5.5
14	MP1A	Z	9.107	5.5
15	MP1A	Mx	0	5.5
16	MP1B	X	0	.5
17	MP1B	Z	8.09	.5
18	MP1B	Mx	-.004	.5
19	MP1B	X	0	5.5
20	MP1B	Z	8.09	5.5
21	MP1B	Mx	-.004	5.5
22	MP1C	X	0	.5
23	MP1C	Z	8.431	.5
24	MP1C	Mx	.003	.5
25	MP1C	X	0	5.5
26	MP1C	Z	8.431	5.5
27	MP1C	Mx	.003	5.5
28	MP2A	X	0	.5
29	MP2A	Z	12.75	.5
30	MP2A	Mx	-.009	.5
31	MP2A	X	0	5.5
32	MP2A	Z	12.75	5.5
33	MP2A	Mx	-.009	5.5
34	MP2B	X	0	.5
35	MP2B	Z	9.862	.5
36	MP2B	Mx	-.002	.5
37	MP2B	X	0	5.5
38	MP2B	Z	9.862	5.5
39	MP2B	Mx	-.002	5.5
40	MP2C	X	0	.5
41	MP2C	Z	10.831	.5
42	MP2C	Mx	.009	.5
43	MP2C	X	0	5.5
44	MP2C	Z	10.831	5.5
45	MP2C	Mx	.009	5.5
46	MP2A	X	0	.5
47	MP2A	Z	12.75	.5
48	MP2A	Mx	.009	.5
49	MP2A	X	0	5.5
50	MP2A	Z	12.75	5.5
51	MP2A	Mx	.009	5.5
52	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	9.862	.5
54	MP2B	Mx	-.007	.5
55	MP2B	X	0	5.5
56	MP2B	Z	9.862	5.5
57	MP2B	Mx	-.007	5.5
58	MP2C	X	0	.5
59	MP2C	Z	10.831	.5
60	MP2C	Mx	-.000783	.5
61	MP2C	X	0	5.5
62	MP2C	Z	10.831	5.5
63	MP2C	Mx	-.000783	5.5
64	MP3A	X	0	2
65	MP3A	Z	6.072	2
66	MP3A	Mx	0	2
67	MP3A	X	0	4
68	MP3A	Z	6.072	4
69	MP3A	Mx	0	4
70	MP3B	X	0	2
71	MP3B	Z	2.809	2
72	MP3B	Mx	-.001	2
73	MP3B	X	0	4
74	MP3B	Z	2.809	4
75	MP3B	Mx	-.001	4
76	MP3C	X	0	2
77	MP3C	Z	5.148	2
78	MP3C	Mx	.001	2
79	MP3C	X	0	4
80	MP3C	Z	5.148	4
81	MP3C	Mx	.001	4
82	M100	X	0	1
83	M100	Z	10.489	1
84	M100	Mx	0	1
85	MP1A	X	0	2.25
86	MP1A	Z	4.831	2.25
87	MP1A	Mx	0	2.25
88	MP1B	X	0	2.25
89	MP1B	Z	3.417	2.25
90	MP1B	Mx	.002	2.25
91	MP1C	X	0	2.25
92	MP1C	Z	3.891	2.25
93	MP1C	Mx	-.001	2.25
94	MP3A	X	0	2.25
95	MP3A	Z	4.831	2.25
96	MP3A	Mx	0	2.25
97	MP3B	X	0	2.25
98	MP3B	Z	3.16	2.25
99	MP3B	Mx	.001	2.25
100	MP3C	X	0	2.25
101	MP3C	Z	3.721	2.25
102	MP3C	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.164	2.25
2	MP2A	Z	3.749	2.25
3	MP2A	Mx	-.000902	2.25
4	MP2B	X	-1.105	2.25
5	MP2B	Z	1.915	2.25
6	MP2B	Mx	.000907	2.25
7	MP2C	X	-2.36	2.25
8	MP2C	Z	4.087	2.25
9	MP2C	Mx	-.000672	2.25
10	MP1A	X	-4.41	.5
11	MP1A	Z	7.638	.5
12	MP1A	Mx	.002	.5
13	MP1A	X	-4.41	5.5
14	MP1A	Z	7.638	5.5
15	MP1A	Mx	.002	5.5
16	MP1B	X	-3.995	.5
17	MP1B	Z	6.92	.5
18	MP1B	Mx	-.004	.5
19	MP1B	X	-3.995	5.5
20	MP1B	Z	6.92	5.5
21	MP1B	Mx	-.004	5.5
22	MP1C	X	-4.486	.5
23	MP1C	Z	7.77	.5
24	MP1C	Mx	.002	.5
25	MP1C	X	-4.486	5.5
26	MP1C	Z	7.77	5.5
27	MP1C	Mx	.002	5.5
28	MP2A	X	-5.966	.5
29	MP2A	Z	10.334	.5
30	MP2A	Mx	-.004	.5
31	MP2A	X	-5.966	5.5
32	MP2A	Z	10.334	5.5
33	MP2A	Mx	-.004	5.5
34	MP2B	X	-4.789	.5
35	MP2B	Z	8.295	.5
36	MP2B	Mx	-.006	.5
37	MP2B	X	-4.789	5.5
38	MP2B	Z	8.295	5.5
39	MP2B	Mx	-.006	5.5
40	MP2C	X	-6.184	.5
41	MP2C	Z	10.711	.5
42	MP2C	Mx	.01	.5
43	MP2C	X	-6.184	5.5
44	MP2C	Z	10.711	5.5
45	MP2C	Mx	.01	5.5
46	MP2A	X	-5.966	.5
47	MP2A	Z	10.334	.5
48	MP2A	Mx	.01	.5
49	MP2A	X	-5.966	5.5
50	MP2A	Z	10.334	5.5
51	MP2A	Mx	.01	5.5
52	MP2B	X	-4.789	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	8.295	.5
54	MP2B	Mx	-.004	.5
55	MP2B	X	-4.789	5.5
56	MP2B	Z	8.295	5.5
57	MP2B	Mx	-.004	5.5
58	MP2C	X	-6.184	.5
59	MP2C	Z	10.711	.5
60	MP2C	Mx	-.006	.5
61	MP2C	X	-6.184	5.5
62	MP2C	Z	10.711	5.5
63	MP2C	Mx	-.006	5.5
64	MP3A	X	-2.574	2
65	MP3A	Z	4.458	2
66	MP3A	Mx	.001	2
67	MP3A	X	-2.574	4
68	MP3A	Z	4.458	4
69	MP3A	Mx	.001	4
70	MP3B	X	-1.244	2
71	MP3B	Z	2.155	2
72	MP3B	Mx	-.001	2
73	MP3B	X	-1.244	4
74	MP3B	Z	2.155	4
75	MP3B	Mx	-.001	4
76	MP3C	X	-1.65	2
77	MP3C	Z	2.858	2
78	MP3C	Mx	.001	2
79	MP3C	X	-1.65	4
80	MP3C	Z	2.858	4
81	MP3C	Mx	.001	4
82	M100	X	-4.934	1
83	M100	Z	8.546	1
84	M100	Mx	0	1
85	MP1A	X	-2.215	2.25
86	MP1A	Z	3.837	2.25
87	MP1A	Mx	-.001	2.25
88	MP1B	X	-1.639	2.25
89	MP1B	Z	2.839	2.25
90	MP1B	Mx	.002	2.25
91	MP1C	X	-2.322	2.25
92	MP1C	Z	4.022	2.25
93	MP1C	Mx	-.000794	2.25
94	MP3A	X	-2.179	2.25
95	MP3A	Z	3.774	2.25
96	MP3A	Mx	-.001	2.25
97	MP3B	X	-1.498	2.25
98	MP3B	Z	2.595	2.25
99	MP3B	Mx	.001	2.25
100	MP3C	X	-2.305	2.25
101	MP3C	Z	3.992	2.25
102	MP3C	Mx	-.000788	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.475	2.25
2	MP2A	Z	1.429	2.25
3	MP2A	Mx	-.001	2.25
4	MP2B	X	-2.89	2.25
5	MP2B	Z	1.669	2.25
6	MP2B	Mx	.001	2.25
7	MP2C	X	-4.309	2.25
8	MP2C	Z	2.488	2.25
9	MP2C	Mx	.00036	2.25
10	MP1A	X	-7.139	.5
11	MP1A	Z	4.122	.5
12	MP1A	Mx	.004	.5
13	MP1A	X	-7.139	5.5
14	MP1A	Z	4.122	5.5
15	MP1A	Mx	.004	5.5
16	MP1B	X	-7.302	.5
17	MP1B	Z	4.216	.5
18	MP1B	Mx	-.003	.5
19	MP1B	X	-7.302	5.5
20	MP1B	Z	4.216	5.5
21	MP1B	Mx	-.003	5.5
22	MP1C	X	-7.857	.5
23	MP1C	Z	4.536	.5
24	MP1C	Mx	-.000788	.5
25	MP1C	X	-7.857	5.5
26	MP1C	Z	4.536	5.5
27	MP1C	Mx	-.000788	5.5
28	MP2A	X	-8.917	.5
29	MP2A	Z	5.148	.5
30	MP2A	Mx	.000812	.5
31	MP2A	X	-8.917	5.5
32	MP2A	Z	5.148	5.5
33	MP2A	Mx	.000812	5.5
34	MP2B	X	-9.38	.5
35	MP2B	Z	5.415	.5
36	MP2B	Mx	-.009	.5
37	MP2B	X	-9.38	5.5
38	MP2B	Z	5.415	5.5
39	MP2B	Mx	-.009	5.5
40	MP2C	X	-10.957	.5
41	MP2C	Z	6.326	.5
42	MP2C	Mx	.008	.5
43	MP2C	X	-10.957	5.5
44	MP2C	Z	6.326	5.5
45	MP2C	Mx	.008	5.5
46	MP2A	X	-8.917	.5
47	MP2A	Z	5.148	.5
48	MP2A	Mx	.008	.5
49	MP2A	X	-8.917	5.5
50	MP2A	Z	5.148	5.5
51	MP2A	Mx	.008	5.5
52	MP2B	X	-9.38	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	5.415	.5
54	MP2B	Mx	.000783	.5
55	MP2B	X	-9.38	5.5
56	MP2B	Z	5.415	5.5
57	MP2B	Mx	.000783	5.5
58	MP2C	X	-10.957	.5
59	MP2C	Z	6.326	.5
60	MP2C	Mx	-.01	.5
61	MP2C	X	-10.957	5.5
62	MP2C	Z	6.326	5.5
63	MP2C	Mx	-.01	5.5
64	MP3A	X	-2.858	2
65	MP3A	Z	1.65	2
66	MP3A	Mx	.001	2
67	MP3A	X	-2.858	4
68	MP3A	Z	1.65	4
69	MP3A	Mx	.001	4
70	MP3B	X	-3.381	2
71	MP3B	Z	1.952	2
72	MP3B	Mx	-.001	2
73	MP3B	X	-3.381	4
74	MP3B	Z	1.952	4
75	MP3B	Mx	-.001	4
76	MP3C	X	-2.059	2
77	MP3C	Z	1.188	2
78	MP3C	Mx	.001	2
79	MP3C	X	-2.059	4
80	MP3C	Z	1.188	4
81	MP3C	Mx	.001	4
82	M100	X	-7.469	1
83	M100	Z	4.312	1
84	M100	Mx	0	1
85	MP1A	X	-3.144	2.25
86	MP1A	Z	1.815	2.25
87	MP1A	Mx	-.002	2.25
88	MP1B	X	-3.37	2.25
89	MP1B	Z	1.946	2.25
90	MP1B	Mx	.001	2.25
91	MP1C	X	-4.142	2.25
92	MP1C	Z	2.392	2.25
93	MP1C	Mx	.000415	2.25
94	MP3A	X	-2.955	2.25
95	MP3A	Z	1.706	2.25
96	MP3A	Mx	-.001	2.25
97	MP3B	X	-3.222	2.25
98	MP3B	Z	1.86	2.25
99	MP3B	Mx	.001	2.25
100	MP3C	X	-4.135	2.25
101	MP3C	Z	2.387	2.25
102	MP3C	Mx	.000415	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.122	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.000884	2.25
4	MP2B	X	-4.72	2.25
5	MP2B	Z	0	2.25
6	MP2B	Mx	.000673	2.25
7	MP2C	X	-3.848	2.25
8	MP2C	Z	0	2.25
9	MP2C	Mx	.001	2.25
10	MP1A	X	-7.955	.5
11	MP1A	Z	0	.5
12	MP1A	Mx	.004	.5
13	MP1A	X	-7.955	5.5
14	MP1A	Z	0	5.5
15	MP1A	Mx	.004	5.5
16	MP1B	X	-8.973	.5
17	MP1B	Z	0	.5
18	MP1B	Mx	-.002	.5
19	MP1B	X	-8.973	5.5
20	MP1B	Z	0	5.5
21	MP1B	Mx	-.002	5.5
22	MP1C	X	-8.631	.5
23	MP1C	Z	0	.5
24	MP1C	Mx	-.003	.5
25	MP1C	X	-8.631	5.5
26	MP1C	Z	0	5.5
27	MP1C	Mx	-.003	5.5
28	MP2A	X	-9.479	.5
29	MP2A	Z	0	.5
30	MP2A	Mx	.005	.5
31	MP2A	X	-9.479	5.5
32	MP2A	Z	0	5.5
33	MP2A	Mx	.005	5.5
34	MP2B	X	-12.368	.5
35	MP2B	Z	0	.5
36	MP2B	Mx	-.01	.5
37	MP2B	X	-12.368	5.5
38	MP2B	Z	0	5.5
39	MP2B	Mx	-.01	5.5
40	MP2C	X	-11.399	.5
41	MP2C	Z	0	.5
42	MP2C	Mx	.003	.5
43	MP2C	X	-11.399	5.5
44	MP2C	Z	0	5.5
45	MP2C	Mx	.003	5.5
46	MP2A	X	-9.479	.5
47	MP2A	Z	0	.5
48	MP2A	Mx	.005	.5
49	MP2A	X	-9.479	5.5
50	MP2A	Z	0	5.5
51	MP2A	Mx	.005	5.5
52	MP2B	X	-12.368	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	.5
54	MP2B	Mx	.006	.5
55	MP2B	X	-12.368	5.5
56	MP2B	Z	0	5.5
57	MP2B	Mx	.006	5.5
58	MP2C	X	-11.399	.5
59	MP2C	Z	0	.5
60	MP2C	Mx	-.01	.5
61	MP2C	X	-11.399	5.5
62	MP2C	Z	0	5.5
63	MP2C	Mx	-.01	5.5
64	MP3A	X	-2.377	2
65	MP3A	Z	0	2
66	MP3A	Mx	.001	2
67	MP3A	X	-2.377	4
68	MP3A	Z	0	4
69	MP3A	Mx	.001	4
70	MP3B	X	-5.639	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.000964	2
73	MP3B	X	-5.639	4
74	MP3B	Z	0	4
75	MP3B	Mx	-.000964	4
76	MP3C	X	-3.301	2
77	MP3C	Z	0	2
78	MP3C	Mx	.001	2
79	MP3C	X	-3.301	4
80	MP3C	Z	0	4
81	MP3C	Mx	.001	4
82	M100	X	-8.003	1
83	M100	Z	0	1
84	M100	Mx	0	1
85	MP1A	X	-3.23	2.25
86	MP1A	Z	0	2.25
87	MP1A	Mx	-.002	2.25
88	MP1B	X	-4.644	2.25
89	MP1B	Z	0	2.25
90	MP1B	Mx	.000794	2.25
91	MP1C	X	-4.17	2.25
92	MP1C	Z	0	2.25
93	MP1C	Mx	.001	2.25
94	MP3A	X	-2.939	2.25
95	MP3A	Z	0	2.25
96	MP3A	Mx	-.001	2.25
97	MP3B	X	-4.61	2.25
98	MP3B	Z	0	2.25
99	MP3B	Mx	.000788	2.25
100	MP3C	X	-4.049	2.25
101	MP3C	Z	0	2.25
102	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.475	2.25
2	MP2A	Z	-1.429	2.25
3	MP2A	Mx	-.001	2.25
4	MP2B	X	-4.309	2.25
5	MP2B	Z	-2.488	2.25
6	MP2B	Mx	-.00036	2.25
7	MP2C	X	-2.136	2.25
8	MP2C	Z	-1.233	2.25
9	MP2C	Mx	.000966	2.25
10	MP1A	X	-7.139	.5
11	MP1A	Z	-4.122	.5
12	MP1A	Mx	.004	.5
13	MP1A	X	-7.139	5.5
14	MP1A	Z	-4.122	5.5
15	MP1A	Mx	.004	5.5
16	MP1B	X	-7.857	.5
17	MP1B	Z	-4.536	.5
18	MP1B	Mx	.000788	.5
19	MP1B	X	-7.857	5.5
20	MP1B	Z	-4.536	5.5
21	MP1B	Mx	.000788	5.5
22	MP1C	X	-7.006	.5
23	MP1C	Z	-4.045	.5
24	MP1C	Mx	-.004	.5
25	MP1C	X	-7.006	5.5
26	MP1C	Z	-4.045	5.5
27	MP1C	Mx	-.004	5.5
28	MP2A	X	-8.917	.5
29	MP2A	Z	-5.148	.5
30	MP2A	Mx	.008	.5
31	MP2A	X	-8.917	5.5
32	MP2A	Z	-5.148	5.5
33	MP2A	Mx	.008	5.5
34	MP2B	X	-10.957	.5
35	MP2B	Z	-6.326	.5
36	MP2B	Mx	-.008	.5
37	MP2B	X	-10.957	5.5
38	MP2B	Z	-6.326	5.5
39	MP2B	Mx	-.008	5.5
40	MP2C	X	-8.541	.5
41	MP2C	Z	-4.931	.5
42	MP2C	Mx	-.002	.5
43	MP2C	X	-8.541	5.5
44	MP2C	Z	-4.931	5.5
45	MP2C	Mx	-.002	5.5
46	MP2A	X	-8.917	.5
47	MP2A	Z	-5.148	.5
48	MP2A	Mx	.000812	.5
49	MP2A	X	-8.917	5.5
50	MP2A	Z	-5.148	5.5
51	MP2A	Mx	.000812	5.5
52	MP2B	X	-10.957	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-6.326	.5
54	MP2B	Mx	.01	.5
55	MP2B	X	-10.957	5.5
56	MP2B	Z	-6.326	5.5
57	MP2B	Mx	.01	5.5
58	MP2C	X	-8.541	.5
59	MP2C	Z	-4.931	.5
60	MP2C	Mx	-.007	.5
61	MP2C	X	-8.541	5.5
62	MP2C	Z	-4.931	5.5
63	MP2C	Mx	-.007	5.5
64	MP3A	X	-2.858	2
65	MP3A	Z	-1.65	2
66	MP3A	Mx	.001	2
67	MP3A	X	-2.858	4
68	MP3A	Z	-1.65	4
69	MP3A	Mx	.001	4
70	MP3B	X	-5.162	2
71	MP3B	Z	-2.98	2
72	MP3B	Mx	.000517	2
73	MP3B	X	-5.162	4
74	MP3B	Z	-2.98	4
75	MP3B	Mx	.000517	4
76	MP3C	X	-4.458	2
77	MP3C	Z	-2.574	2
78	MP3C	Mx	.001	2
79	MP3C	X	-4.458	4
80	MP3C	Z	-2.574	4
81	MP3C	Mx	.001	4
82	M100	X	-7.469	1
83	M100	Z	-4.312	1
84	M100	Mx	0	1
85	MP1A	X	-3.144	2.25
86	MP1A	Z	-1.815	2.25
87	MP1A	Mx	-.002	2.25
88	MP1B	X	-4.142	2.25
89	MP1B	Z	-2.392	2.25
90	MP1B	Mx	-.000416	2.25
91	MP1C	X	-2.959	2.25
92	MP1C	Z	-1.708	2.25
93	MP1C	Mx	.002	2.25
94	MP3A	X	-2.955	2.25
95	MP3A	Z	-1.706	2.25
96	MP3A	Mx	-.001	2.25
97	MP3B	X	-4.135	2.25
98	MP3B	Z	-2.387	2.25
99	MP3B	Mx	-.000414	2.25
100	MP3C	X	-2.737	2.25
101	MP3C	Z	-1.58	2.25
102	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.164	2.25
2	MP2A	Z	-3.749	2.25
3	MP2A	Mx	-.000902	2.25
4	MP2B	X	-1.924	2.25
5	MP2B	Z	-3.333	2.25
6	MP2B	Mx	-.001	2.25
7	MP2C	X	-1.105	2.25
8	MP2C	Z	-1.915	2.25
9	MP2C	Mx	.000907	2.25
10	MP1A	X	-4.41	.5
11	MP1A	Z	-7.638	.5
12	MP1A	Mx	.002	.5
13	MP1A	X	-4.41	5.5
14	MP1A	Z	-7.638	5.5
15	MP1A	Mx	.002	5.5
16	MP1B	X	-4.316	.5
17	MP1B	Z	-7.475	.5
18	MP1B	Mx	.003	.5
19	MP1B	X	-4.316	5.5
20	MP1B	Z	-7.475	5.5
21	MP1B	Mx	.003	5.5
22	MP1C	X	-3.995	.5
23	MP1C	Z	-6.92	.5
24	MP1C	Mx	-.004	.5
25	MP1C	X	-3.995	5.5
26	MP1C	Z	-6.92	5.5
27	MP1C	Mx	-.004	5.5
28	MP2A	X	-5.966	.5
29	MP2A	Z	-10.334	.5
30	MP2A	Mx	.01	.5
31	MP2A	X	-5.966	5.5
32	MP2A	Z	-10.334	5.5
33	MP2A	Mx	.01	5.5
34	MP2B	X	-5.699	.5
35	MP2B	Z	-9.872	.5
36	MP2B	Mx	-.003	.5
37	MP2B	X	-5.699	5.5
38	MP2B	Z	-9.872	5.5
39	MP2B	Mx	-.003	5.5
40	MP2C	X	-4.789	.5
41	MP2C	Z	-8.295	.5
42	MP2C	Mx	-.006	.5
43	MP2C	X	-4.789	5.5
44	MP2C	Z	-8.295	5.5
45	MP2C	Mx	-.006	5.5
46	MP2A	X	-5.966	.5
47	MP2A	Z	-10.334	.5
48	MP2A	Mx	-.004	.5
49	MP2A	X	-5.966	5.5
50	MP2A	Z	-10.334	5.5
51	MP2A	Mx	-.004	5.5
52	MP2B	X	-5.699	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	-9.872	.5
54	MP2B	Mx	.01	.5
55	MP2B	X	-5.699	5.5
56	MP2B	Z	-9.872	5.5
57	MP2B	Mx	.01	5.5
58	MP2C	X	-4.789	.5
59	MP2C	Z	-8.295	.5
60	MP2C	Mx	-.004	.5
61	MP2C	X	-4.789	5.5
62	MP2C	Z	-8.295	5.5
63	MP2C	Mx	-.004	5.5
64	MP3A	X	-2.574	2
65	MP3A	Z	-4.458	2
66	MP3A	Mx	.001	2
67	MP3A	X	-2.574	4
68	MP3A	Z	-4.458	4
69	MP3A	Mx	.001	4
70	MP3B	X	-2.273	2
71	MP3B	Z	-3.936	2
72	MP3B	Mx	.001	2
73	MP3B	X	-2.273	4
74	MP3B	Z	-3.936	4
75	MP3B	Mx	.001	4
76	MP3C	X	-3.036	2
77	MP3C	Z	-5.258	2
78	MP3C	Mx	0	2
79	MP3C	X	-3.036	4
80	MP3C	Z	-5.258	4
81	MP3C	Mx	0	4
82	M100	X	-4.934	1
83	M100	Z	-8.546	1
84	M100	Mx	0	1
85	MP1A	X	-2.215	2.25
86	MP1A	Z	-3.837	2.25
87	MP1A	Mx	-.001	2.25
88	MP1B	X	-2.085	2.25
89	MP1B	Z	-3.611	2.25
90	MP1B	Mx	-.001	2.25
91	MP1C	X	-1.639	2.25
92	MP1C	Z	-2.839	2.25
93	MP1C	Mx	.002	2.25
94	MP3A	X	-2.179	2.25
95	MP3A	Z	-3.774	2.25
96	MP3A	Mx	-.001	2.25
97	MP3B	X	-2.025	2.25
98	MP3B	Z	-3.507	2.25
99	MP3B	Mx	-.001	2.25
100	MP3C	X	-1.498	2.25
101	MP3C	Z	-2.595	2.25
102	MP3C	Mx	.001	2.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%10

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-2.438	2.25
2	MP2A	My	.001	2.25
3	MP2A	Mz	0	2.25
4	MP2B	Y	-2.438	2.25
5	MP2B	My	-.000347	2.25
6	MP2B	Mz	.000954	2.25
7	MP2C	Y	-2.438	2.25
8	MP2C	My	-.000653	2.25
9	MP2C	Mz	-.000778	2.25
10	MP1A	Y	-.484	.5
11	MP1A	My	-.000242	.5
12	MP1A	Mz	0	.5
13	MP1A	Y	-.484	5.5
14	MP1A	My	-.000242	5.5
15	MP1A	Mz	0	5.5
16	MP1B	Y	-.484	.5
17	MP1B	My	8.3e-5	.5
18	MP1B	Mz	-.000227	.5
19	MP1B	Y	-.484	5.5
20	MP1B	My	8.3e-5	5.5
21	MP1B	Mz	-.000227	5.5
22	MP1C	Y	-.484	.5
23	MP1C	My	.000156	.5
24	MP1C	Mz	.000185	.5
25	MP1C	Y	-.484	5.5
26	MP1C	My	.000156	5.5
27	MP1C	Mz	.000185	5.5
28	MP2A	Y	-1.06	.5
29	MP2A	My	-.00053	.5
30	MP2A	Mz	-.000751	.5
31	MP2A	Y	-1.06	5.5
32	MP2A	My	-.00053	5.5
33	MP2A	Mz	-.000751	5.5
34	MP2B	Y	-1.06	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2B	My	.000887	.5
36	MP2B	Mz	-.000241	.5
37	MP2B	Y	-1.06	5.5
38	MP2B	My	.000887	5.5
39	MP2B	Mz	-.000241	5.5
40	MP2C	Y	-1.06	.5
41	MP2C	My	-.000234	.5
42	MP2C	Mz	.000888	.5
43	MP2C	Y	-1.06	5.5
44	MP2C	My	-.000234	5.5
45	MP2C	Mz	.000888	5.5
46	MP2A	Y	-1.06	.5
47	MP2A	My	-.00053	.5
48	MP2A	Mz	.000751	.5
49	MP2A	Y	-1.06	5.5
50	MP2A	My	-.00053	5.5
51	MP2A	Mz	.000751	5.5
52	MP2B	Y	-1.06	.5
53	MP2B	My	-.000524	.5
54	MP2B	Mz	-.000755	.5
55	MP2B	Y	-1.06	5.5
56	MP2B	My	-.000524	5.5
57	MP2B	Mz	-.000755	5.5
58	MP2C	Y	-1.06	.5
59	MP2C	My	.000916	.5
60	MP2C	Mz	-7.7e-5	.5
61	MP2C	Y	-1.06	5.5
62	MP2C	My	.000916	5.5
63	MP2C	Mz	-7.7e-5	5.5
64	MP3A	Y	-2.007	2
65	MP3A	My	-.001	2
66	MP3A	Mz	0	2
67	MP3A	Y	-2.007	4
68	MP3A	My	-.001	4
69	MP3A	Mz	0	4
70	MP3B	Y	-2.007	2
71	MP3B	My	.000343	2
72	MP3B	Mz	-.000943	2
73	MP3B	Y	-2.007	4
74	MP3B	My	.000343	4
75	MP3B	Mz	-.000943	4
76	MP3C	Y	-2.007	2
77	MP3C	My	-.000869	2
78	MP3C	Mz	.000502	2
79	MP3C	Y	-2.007	4
80	MP3C	My	-.000869	4
81	MP3C	Mz	.000502	4
82	M100	Y	-1.475	1
83	M100	My	0	1
84	M100	Mz	0	1
85	MP1A	Y	-3.442	2.25
86	MP1A	My	.002	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1A	Mz	0	2.25
88	MP1B	Y	-3.442	2.25
89	MP1B	My	-.000589	2.25
90	MP1B	Mz	.002	2.25
91	MP1C	Y	-3.442	2.25
92	MP1C	My	-.001	2.25
93	MP1C	Mz	-.001	2.25
94	MP3A	Y	-3.239	2.25
95	MP3A	My	.002	2.25
96	MP3A	Mz	0	2.25
97	MP3B	Y	-3.239	2.25
98	MP3B	My	-.000554	2.25
99	MP3B	Mz	.002	2.25
100	MP3C	Y	-3.239	2.25
101	MP3C	My	-.001	2.25
102	MP3C	Mz	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-6.094	2.25
2	MP2A	Mx	0	2.25
3	MP2B	Z	-6.094	2.25
4	MP2B	Mx	-.002	2.25
5	MP2C	Z	-6.094	2.25
6	MP2C	Mx	.002	2.25
7	MP1A	Z	-1.21	.5
8	MP1A	Mx	0	.5
9	MP1A	Z	-1.21	5.5
10	MP1A	Mx	0	5.5
11	MP1B	Z	-1.21	.5
12	MP1B	Mx	.000568	.5
13	MP1B	Z	-1.21	5.5
14	MP1B	Mx	.000568	5.5
15	MP1C	Z	-1.21	.5
16	MP1C	Mx	-.000463	.5
17	MP1C	Z	-1.21	5.5
18	MP1C	Mx	-.000463	5.5
19	MP2A	Z	-2.65	.5
20	MP2A	Mx	.002	.5
21	MP2A	Z	-2.65	5.5
22	MP2A	Mx	.002	5.5
23	MP2B	Z	-2.65	.5
24	MP2B	Mx	.000603	.5
25	MP2B	Z	-2.65	5.5
26	MP2B	Mx	.000603	5.5
27	MP2C	Z	-2.65	.5
28	MP2C	Mx	-.002	.5
29	MP2C	Z	-2.65	5.5
30	MP2C	Mx	-.002	5.5
31	MP2A	Z	-2.65	.5
32	MP2A	Mx	-.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2A	Z	-2.65	5.5
34	MP2A	Mx	-.002	5.5
35	MP2B	Z	-2.65	.5
36	MP2B	Mx	.002	.5
37	MP2B	Z	-2.65	5.5
38	MP2B	Mx	.002	5.5
39	MP2C	Z	-2.65	.5
40	MP2C	Mx	.000192	.5
41	MP2C	Z	-2.65	5.5
42	MP2C	Mx	.000192	5.5
43	MP3A	Z	-5.017	2
44	MP3A	Mx	0	2
45	MP3A	Z	-5.017	4
46	MP3A	Mx	0	4
47	MP3B	Z	-5.017	2
48	MP3B	Mx	.002	2
49	MP3B	Z	-5.017	4
50	MP3B	Mx	.002	4
51	MP3C	Z	-5.017	2
52	MP3C	Mx	-.001	2
53	MP3C	Z	-5.017	4
54	MP3C	Mx	-.001	4
55	M100	Z	-3.686	1
56	M100	Mx	0	1
57	MP1A	Z	-8.605	2.25
58	MP1A	Mx	0	2.25
59	MP1B	Z	-8.605	2.25
60	MP1B	Mx	-.004	2.25
61	MP1C	Z	-8.605	2.25
62	MP1C	Mx	.003	2.25
63	MP3A	Z	-8.099	2.25
64	MP3A	Mx	0	2.25
65	MP3B	Z	-8.099	2.25
66	MP3B	Mx	-.004	2.25
67	MP3C	Z	-8.099	2.25
68	MP3C	Mx	.003	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.094	2.25
2	MP2A	Mx	.003	2.25
3	MP2B	X	6.094	2.25
4	MP2B	Mx	-.000868	2.25
5	MP2C	X	6.094	2.25
6	MP2C	Mx	-.002	2.25
7	MP1A	X	1.21	.5
8	MP1A	Mx	-.000605	.5
9	MP1A	X	1.21	5.5
10	MP1A	Mx	-.000605	5.5
11	MP1B	X	1.21	.5
12	MP1B	Mx	.000207	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1B	X	1.21	5.5
14	MP1B	Mx	.000207	5.5
15	MP1C	X	1.21	.5
16	MP1C	Mx	.000389	.5
17	MP1C	X	1.21	5.5
18	MP1C	Mx	.000389	5.5
19	MP2A	X	2.65	.5
20	MP2A	Mx	-.001	.5
21	MP2A	X	2.65	5.5
22	MP2A	Mx	-.001	5.5
23	MP2B	X	2.65	.5
24	MP2B	Mx	.002	.5
25	MP2B	X	2.65	5.5
26	MP2B	Mx	.002	5.5
27	MP2C	X	2.65	.5
28	MP2C	Mx	-.000586	.5
29	MP2C	X	2.65	5.5
30	MP2C	Mx	-.000586	5.5
31	MP2A	X	2.65	.5
32	MP2A	Mx	-.001	.5
33	MP2A	X	2.65	5.5
34	MP2A	Mx	-.001	5.5
35	MP2B	X	2.65	.5
36	MP2B	Mx	-.001	.5
37	MP2B	X	2.65	5.5
38	MP2B	Mx	-.001	5.5
39	MP2C	X	2.65	.5
40	MP2C	Mx	.002	.5
41	MP2C	X	2.65	5.5
42	MP2C	Mx	.002	5.5
43	MP3A	X	5.017	2
44	MP3A	Mx	-.003	2
45	MP3A	X	5.017	4
46	MP3A	Mx	-.003	4
47	MP3B	X	5.017	2
48	MP3B	Mx	.000858	2
49	MP3B	X	5.017	4
50	MP3B	Mx	.000858	4
51	MP3C	X	5.017	2
52	MP3C	Mx	-.002	2
53	MP3C	X	5.017	4
54	MP3C	Mx	-.002	4
55	M100	X	3.686	1
56	M100	Mx	0	1
57	MP1A	X	8.605	2.25
58	MP1A	Mx	.004	2.25
59	MP1B	X	8.605	2.25
60	MP1B	Mx	-.001	2.25
61	MP1C	X	8.605	2.25
62	MP1C	Mx	-.003	2.25
63	MP3A	X	8.099	2.25
64	MP3A	Mx	.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	X	8.099	2.25
66	MP3B	Mx	-.001	2.25
67	MP3C	X	8.099	2.25
68	MP3C	Mx	-.003	2.25

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-9.512	-9.512	0	%100
2	M52A	Y	-9.512	-9.512	0	%100
3	M76A	Y	-9.512	-9.512	0	%100
4	M10	Y	-7.534	-7.534	0	%100
5	M43	Y	-7.534	-7.534	0	%100
6	M53	Y	-7.534	-7.534	0	%100
7	M54	Y	-7.534	-7.534	0	%100
8	M77A	Y	-7.534	-7.534	0	%100
9	M78	Y	-7.534	-7.534	0	%100
10	M100	Y	-4.922	-4.922	0	%100
11	MP3A	Y	-4.922	-4.922	0	%100
12	MP4A	Y	-4.922	-4.922	0	%100
13	MP2A	Y	-4.922	-4.922	0	%100
14	MP1A	Y	-4.922	-4.922	0	%100
15	MP3B	Y	-4.922	-4.922	0	%100
16	MP4B	Y	-4.922	-4.922	0	%100
17	MP2B	Y	-4.922	-4.922	0	%100
18	MP1B	Y	-4.922	-4.922	0	%100
19	MP3C	Y	-4.922	-4.922	0	%100
20	MP4C	Y	-4.922	-4.922	0	%100
21	MP2C	Y	-4.922	-4.922	0	%100
22	MP1C	Y	-4.922	-4.922	0	%100
23	M123	Y	-7.534	-7.534	0	%100
24	M124	Y	-7.534	-7.534	0	%100
25	M125	Y	-7.534	-7.534	0	%100
26	M102	Y	-5.622	-5.622	0	%100
27	M107	Y	-5.622	-5.622	0	%100
28	M108	Y	-5.622	-5.622	0	%100
29	M126	Y	-10.517	-10.517	0	%100
30	M127	Y	-10.517	-10.517	0	%100
31	M128	Y	-10.517	-10.517	0	%100
32	M51B	Y	-5.557	-5.557	0	%100
33	M52B	Y	-5.557	-5.557	0	%100
34	M58A	Y	-5.557	-5.557	0	%100
35	M59A	Y	-5.557	-5.557	0	%100
36	M82	Y	-5.557	-5.557	0	%100
37	M83A	Y	-5.557	-5.557	0	%100
38	M1	Y	-6.496	-6.496	0	%100
39	M82A	Y	-6.496	-6.496	0	%100
40	M91B	Y	-6.496	-6.496	0	%100
41	M76	Y	-10.009	-10.009	0	%100
42	M77	Y	-10.009	-10.009	0	%100
43	M84	Y	-10.009	-10.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
44	M85	Y	-10.009	-10.009	0	%100
45	M63	Y	-10.009	-10.009	0	%100
46	M64	Y	-10.009	-10.009	0	%100
47	M68	Y	-10.009	-10.009	0	%100
48	M69	Y	-10.009	-10.009	0	%100
49	M87	Y	-10.009	-10.009	0	%100
50	M88A	Y	-10.009	-10.009	0	%100
51	M92A	Y	-10.009	-10.009	0	%100
52	M93	Y	-10.009	-10.009	0	%100
53	M46	Y	-10.021	-10.021	0	%100
54	M80	Y	-10.021	-10.021	0	%100
55	M91	Y	-10.021	-10.021	0	%100
56	M55	Y	-10.021	-10.021	0	%100
57	M66	Y	-10.021	-10.021	0	%100
58	M71	Y	-10.021	-10.021	0	%100
59	M79A	Y	-10.021	-10.021	0	%100
60	M90	Y	-10.021	-10.021	0	%100
61	M95	Y	-10.021	-10.021	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-11.428	-11.428	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-11.428	-11.428	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-14.573	-14.573	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-14.573	-14.573	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-3.643	-3.643	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-3.643	-3.643	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-3.643	-3.643	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-3.643	-3.643	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	-7.632	-7.632	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-9.333	-9.333	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-9.333	-9.333	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-9.333	-9.333	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-9.333	-9.333	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-9.333	-9.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-9.333	-9.333	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-9.333	-9.333	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-9.333	-9.333	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-9.333	-9.333	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-9.333	-9.333	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-9.333	-9.333	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-9.333	-9.333	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	-3.473	-3.473	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	-13.891	-13.891	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	-3.473	-3.473	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	-11.298	-11.298	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	-2.824	-2.824	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	-2.824	-2.824	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	-10.549	-10.549	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	-16.294	-16.294	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	-16.294	-16.294	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	-3.273	-3.273	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	-3.273	-3.273	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	-3.273	-3.273	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	-13.092	-13.092	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-13.092	-13.092	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-3.273	-3.273	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	-13.725	-13.725	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-3.431	-3.431	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-3.431	-3.431	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
83	M77	X	0	0	0	%100
84	M77	Z	-6.004	-6.004	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	-6.004	-6.004	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-17.684	-17.684	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-6.004	-6.004	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	-17.684	-17.684	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	-24.015	-24.015	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	-17.684	-17.684	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	-24.015	-24.015	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	-17.684	-17.684	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	-6.004	-6.004	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	-23.578	-23.578	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	-6.324	-6.324	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	-6.324	-6.324	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	-5.895	-5.895	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	-6.324	-6.324	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	-25.294	-25.294	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	-5.895	-5.895	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	-25.294	-25.294	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	-6.324	-6.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.905	1.905	0	%100
2	M4	Z	-3.299	-3.299	0	%100
3	M52A	X	1.905	1.905	0	%100
4	M52A	Z	-3.299	-3.299	0	%100
5	M76A	X	7.618	7.618	0	%100
6	M76A	Z	-13.195	-13.195	0	%100
7	M10	X	5.465	5.465	0	%100
8	M10	Z	-9.465	-9.465	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
9	M43	X	5.465	5.465	0	%100
10	M43	Z	-9.465	-9.465	0	%100
11	M53	X	5.465	5.465	0	%100
12	M53	Z	-9.465	-9.465	0	%100
13	M54	X	5.465	5.465	0	%100
14	M54	Z	-9.465	-9.465	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	3.816	3.816	0	%100
20	M100	Z	-6.609	-6.609	0	%100
21	MP3A	X	4.666	4.666	0	%100
22	MP3A	Z	-8.083	-8.083	0	%100
23	MP4A	X	4.666	4.666	0	%100
24	MP4A	Z	-8.083	-8.083	0	%100
25	MP2A	X	4.666	4.666	0	%100
26	MP2A	Z	-8.083	-8.083	0	%100
27	MP1A	X	4.666	4.666	0	%100
28	MP1A	Z	-8.083	-8.083	0	%100
29	MP3B	X	4.666	4.666	0	%100
30	MP3B	Z	-8.083	-8.083	0	%100
31	MP4B	X	4.666	4.666	0	%100
32	MP4B	Z	-8.083	-8.083	0	%100
33	MP2B	X	4.666	4.666	0	%100
34	MP2B	Z	-8.083	-8.083	0	%100
35	MP1B	X	4.666	4.666	0	%100
36	MP1B	Z	-8.083	-8.083	0	%100
37	MP3C	X	4.666	4.666	0	%100
38	MP3C	Z	-8.083	-8.083	0	%100
39	MP4C	X	4.666	4.666	0	%100
40	MP4C	Z	-8.083	-8.083	0	%100
41	MP2C	X	4.666	4.666	0	%100
42	MP2C	Z	-8.083	-8.083	0	%100
43	MP1C	X	4.666	4.666	0	%100
44	MP1C	Z	-8.083	-8.083	0	%100
45	M123	X	5.209	5.209	0	%100
46	M123	Z	-9.022	-9.022	0	%100
47	M124	X	5.209	5.209	0	%100
48	M124	Z	-9.022	-9.022	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	4.237	4.237	0	%100
52	M102	Z	-7.338	-7.338	0	%100
53	M107	X	4.237	4.237	0	%100
54	M107	Z	-7.338	-7.338	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	6.232	6.232	0	%100
58	M126	Z	-10.794	-10.794	0	%100
59	M127	X	6.232	6.232	0	%100
60	M127	Z	-10.794	-10.794	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	M128	X	9.105	9.105	0	%100
62	M128	Z	-15.77	-15.77	0	%100
63	M51B	X	4.91	4.91	0	%100
64	M51B	Z	-8.504	-8.504	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	4.91	4.91	0	%100
70	M59A	Z	-8.504	-8.504	0	%100
71	M82	X	4.91	4.91	0	%100
72	M82	Z	-8.504	-8.504	0	%100
73	M83A	X	4.91	4.91	0	%100
74	M83A	Z	-8.504	-8.504	0	%100
75	M1	X	5.147	5.147	0	%100
76	M1	Z	-8.915	-8.915	0	%100
77	M82A	X	5.147	5.147	0	%100
78	M82A	Z	-8.915	-8.915	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	2.947	2.947	0	%100
82	M76	Z	-5.105	-5.105	0	%100
83	M77	X	9.006	9.006	0	%100
84	M77	Z	-15.598	-15.598	0	%100
85	M84	X	2.947	2.947	0	%100
86	M84	Z	-5.105	-5.105	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	2.947	2.947	0	%100
90	M63	Z	-5.105	-5.105	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	2.947	2.947	0	%100
94	M68	Z	-5.105	-5.105	0	%100
95	M69	X	9.006	9.006	0	%100
96	M69	Z	-15.598	-15.598	0	%100
97	M87	X	11.789	11.789	0	%100
98	M87	Z	-20.419	-20.419	0	%100
99	M88A	X	9.006	9.006	0	%100
100	M88A	Z	-15.598	-15.598	0	%100
101	M92A	X	11.789	11.789	0	%100
102	M92A	Z	-20.419	-20.419	0	%100
103	M93	X	9.006	9.006	0	%100
104	M93	Z	-15.598	-15.598	0	%100
105	M46	X	8.842	8.842	0	%100
106	M46	Z	-15.314	-15.314	0	%100
107	M80	X	9.485	9.485	0	%100
108	M80	Z	-16.429	-16.429	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	8.842	8.842	0	%100
112	M55	Z	-15.314	-15.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	9.485	9.485	0	%100
116	M71	Z	-16.429	-16.429	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	9.485	9.485	0	%100
120	M90	Z	-16.429	-16.429	0	%100
121	M95	X	9.485	9.485	0	%100
122	M95	Z	-16.429	-16.429	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	9.897	9.897	0	%100
2	M4	Z	-5.714	-5.714	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	9.897	9.897	0	%100
6	M76A	Z	-5.714	-5.714	0	%100
7	M10	X	3.155	3.155	0	%100
8	M10	Z	-1.822	-1.822	0	%100
9	M43	X	3.155	3.155	0	%100
10	M43	Z	-1.822	-1.822	0	%100
11	M53	X	12.62	12.62	0	%100
12	M53	Z	-7.286	-7.286	0	%100
13	M54	X	12.62	12.62	0	%100
14	M54	Z	-7.286	-7.286	0	%100
15	M77A	X	3.155	3.155	0	%100
16	M77A	Z	-1.822	-1.822	0	%100
17	M78	X	3.155	3.155	0	%100
18	M78	Z	-1.822	-1.822	0	%100
19	M100	X	6.609	6.609	0	%100
20	M100	Z	-3.816	-3.816	0	%100
21	MP3A	X	8.083	8.083	0	%100
22	MP3A	Z	-4.666	-4.666	0	%100
23	MP4A	X	8.083	8.083	0	%100
24	MP4A	Z	-4.666	-4.666	0	%100
25	MP2A	X	8.083	8.083	0	%100
26	MP2A	Z	-4.666	-4.666	0	%100
27	MP1A	X	8.083	8.083	0	%100
28	MP1A	Z	-4.666	-4.666	0	%100
29	MP3B	X	8.083	8.083	0	%100
30	MP3B	Z	-4.666	-4.666	0	%100
31	MP4B	X	8.083	8.083	0	%100
32	MP4B	Z	-4.666	-4.666	0	%100
33	MP2B	X	8.083	8.083	0	%100
34	MP2B	Z	-4.666	-4.666	0	%100
35	MP1B	X	8.083	8.083	0	%100
36	MP1B	Z	-4.666	-4.666	0	%100
37	MP3C	X	8.083	8.083	0	%100
38	MP3C	Z	-4.666	-4.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
39	MP4C	X	8.083	8.083	0	%100
40	MP4C	Z	-4.666	-4.666	0	%100
41	MP2C	X	8.083	8.083	0	%100
42	MP2C	Z	-4.666	-4.666	0	%100
43	MP1C	X	8.083	8.083	0	%100
44	MP1C	Z	-4.666	-4.666	0	%100
45	M123	X	12.03	12.03	0	%100
46	M123	Z	-6.945	-6.945	0	%100
47	M124	X	3.007	3.007	0	%100
48	M124	Z	-1.736	-1.736	0	%100
49	M125	X	3.007	3.007	0	%100
50	M125	Z	-1.736	-1.736	0	%100
51	M102	X	2.446	2.446	0	%100
52	M102	Z	-1.412	-1.412	0	%100
53	M107	X	9.784	9.784	0	%100
54	M107	Z	-5.649	-5.649	0	%100
55	M108	X	2.446	2.446	0	%100
56	M108	Z	-1.412	-1.412	0	%100
57	M126	X	14.111	14.111	0	%100
58	M126	Z	-8.147	-8.147	0	%100
59	M127	X	9.136	9.136	0	%100
60	M127	Z	-5.275	-5.275	0	%100
61	M128	X	14.111	14.111	0	%100
62	M128	Z	-8.147	-8.147	0	%100
63	M51B	X	11.338	11.338	0	%100
64	M51B	Z	-6.546	-6.546	0	%100
65	M52B	X	2.835	2.835	0	%100
66	M52B	Z	-1.637	-1.637	0	%100
67	M58A	X	2.835	2.835	0	%100
68	M58A	Z	-1.637	-1.637	0	%100
69	M59A	X	2.835	2.835	0	%100
70	M59A	Z	-1.637	-1.637	0	%100
71	M82	X	2.835	2.835	0	%100
72	M82	Z	-1.637	-1.637	0	%100
73	M83A	X	11.338	11.338	0	%100
74	M83A	Z	-6.546	-6.546	0	%100
75	M1	X	2.972	2.972	0	%100
76	M1	Z	-1.716	-1.716	0	%100
77	M82A	X	11.887	11.887	0	%100
78	M82A	Z	-6.863	-6.863	0	%100
79	M91B	X	2.972	2.972	0	%100
80	M91B	Z	-1.716	-1.716	0	%100
81	M76	X	15.314	15.314	0	%100
82	M76	Z	-8.842	-8.842	0	%100
83	M77	X	20.797	20.797	0	%100
84	M77	Z	-12.007	-12.007	0	%100
85	M84	X	15.314	15.314	0	%100
86	M84	Z	-8.842	-8.842	0	%100
87	M85	X	5.199	5.199	0	%100
88	M85	Z	-3.002	-3.002	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
91	M64	X	5.199	5.199	0	%100
92	M64	Z	-3.002	-3.002	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	5.199	5.199	0	%100
96	M69	Z	-3.002	-3.002	0	%100
97	M87	X	15.314	15.314	0	%100
98	M87	Z	-8.842	-8.842	0	%100
99	M88A	X	5.199	5.199	0	%100
100	M88A	Z	-3.002	-3.002	0	%100
101	M92A	X	15.314	15.314	0	%100
102	M92A	Z	-8.842	-8.842	0	%100
103	M93	X	20.797	20.797	0	%100
104	M93	Z	-12.007	-12.007	0	%100
105	M46	X	5.105	5.105	0	%100
106	M46	Z	-2.947	-2.947	0	%100
107	M80	X	21.905	21.905	0	%100
108	M80	Z	-12.647	-12.647	0	%100
109	M91	X	5.476	5.476	0	%100
110	M91	Z	-3.162	-3.162	0	%100
111	M55	X	20.419	20.419	0	%100
112	M55	Z	-11.789	-11.789	0	%100
113	M66	X	5.476	5.476	0	%100
114	M66	Z	-3.162	-3.162	0	%100
115	M71	X	5.476	5.476	0	%100
116	M71	Z	-3.162	-3.162	0	%100
117	M79A	X	5.105	5.105	0	%100
118	M79A	Z	-2.947	-2.947	0	%100
119	M90	X	5.476	5.476	0	%100
120	M90	Z	-3.162	-3.162	0	%100
121	M95	X	21.905	21.905	0	%100
122	M95	Z	-12.647	-12.647	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	15.237	15.237	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	3.809	3.809	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	3.809	3.809	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	10.929	10.929	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	10.929	10.929	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	10.929	10.929	0	%100
16	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
17	M78	X	10.929	10.929	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	7.632	7.632	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	9.333	9.333	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	9.333	9.333	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	9.333	9.333	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	9.333	9.333	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	9.333	9.333	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	9.333	9.333	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	9.333	9.333	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	9.333	9.333	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	9.333	9.333	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	9.333	9.333	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	9.333	9.333	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	9.333	9.333	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	10.418	10.418	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	10.418	10.418	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	8.473	8.473	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	8.473	8.473	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	18.209	18.209	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	12.464	12.464	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	12.464	12.464	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	9.819	9.819	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	9.819	9.819	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	9.819	9.819	0	%100
68	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	9.819	9.819	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	10.294	10.294	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	10.294	10.294	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	23.578	23.578	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	18.011	18.011	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	23.578	23.578	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	18.011	18.011	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	5.895	5.895	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	18.011	18.011	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	5.895	5.895	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	5.895	5.895	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	5.895	5.895	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	18.011	18.011	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	18.971	18.971	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	18.971	18.971	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	17.684	17.684	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	18.971	18.971	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	17.684	17.684	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
121	M95	X	18.971	18.971	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	9.897	9.897	0	%100
2	M4	Z	5.714	5.714	0	%100
3	M52A	X	9.897	9.897	0	%100
4	M52A	Z	5.714	5.714	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	3.155	3.155	0	%100
8	M10	Z	1.822	1.822	0	%100
9	M43	X	3.155	3.155	0	%100
10	M43	Z	1.822	1.822	0	%100
11	M53	X	3.155	3.155	0	%100
12	M53	Z	1.822	1.822	0	%100
13	M54	X	3.155	3.155	0	%100
14	M54	Z	1.822	1.822	0	%100
15	M77A	X	12.62	12.62	0	%100
16	M77A	Z	7.286	7.286	0	%100
17	M78	X	12.62	12.62	0	%100
18	M78	Z	7.286	7.286	0	%100
19	M100	X	6.609	6.609	0	%100
20	M100	Z	3.816	3.816	0	%100
21	MP3A	X	8.083	8.083	0	%100
22	MP3A	Z	4.666	4.666	0	%100
23	MP4A	X	8.083	8.083	0	%100
24	MP4A	Z	4.666	4.666	0	%100
25	MP2A	X	8.083	8.083	0	%100
26	MP2A	Z	4.666	4.666	0	%100
27	MP1A	X	8.083	8.083	0	%100
28	MP1A	Z	4.666	4.666	0	%100
29	MP3B	X	8.083	8.083	0	%100
30	MP3B	Z	4.666	4.666	0	%100
31	MP4B	X	8.083	8.083	0	%100
32	MP4B	Z	4.666	4.666	0	%100
33	MP2B	X	8.083	8.083	0	%100
34	MP2B	Z	4.666	4.666	0	%100
35	MP1B	X	8.083	8.083	0	%100
36	MP1B	Z	4.666	4.666	0	%100
37	MP3C	X	8.083	8.083	0	%100
38	MP3C	Z	4.666	4.666	0	%100
39	MP4C	X	8.083	8.083	0	%100
40	MP4C	Z	4.666	4.666	0	%100
41	MP2C	X	8.083	8.083	0	%100
42	MP2C	Z	4.666	4.666	0	%100
43	MP1C	X	8.083	8.083	0	%100
44	MP1C	Z	4.666	4.666	0	%100
45	M123	X	3.007	3.007	0	%100
46	M123	Z	1.736	1.736	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
47	M124	X	3.007	3.007	0	%100
48	M124	Z	1.736	1.736	0	%100
49	M125	X	12.03	12.03	0	%100
50	M125	Z	6.945	6.945	0	%100
51	M102	X	2.446	2.446	0	%100
52	M102	Z	1.412	1.412	0	%100
53	M107	X	2.446	2.446	0	%100
54	M107	Z	1.412	1.412	0	%100
55	M108	X	9.784	9.784	0	%100
56	M108	Z	5.649	5.649	0	%100
57	M126	X	14.111	14.111	0	%100
58	M126	Z	8.147	8.147	0	%100
59	M127	X	14.111	14.111	0	%100
60	M127	Z	8.147	8.147	0	%100
61	M128	X	9.136	9.136	0	%100
62	M128	Z	5.275	5.275	0	%100
63	M51B	X	2.835	2.835	0	%100
64	M51B	Z	1.637	1.637	0	%100
65	M52B	X	11.338	11.338	0	%100
66	M52B	Z	6.546	6.546	0	%100
67	M58A	X	11.338	11.338	0	%100
68	M58A	Z	6.546	6.546	0	%100
69	M59A	X	2.835	2.835	0	%100
70	M59A	Z	1.637	1.637	0	%100
71	M82	X	2.835	2.835	0	%100
72	M82	Z	1.637	1.637	0	%100
73	M83A	X	2.835	2.835	0	%100
74	M83A	Z	1.637	1.637	0	%100
75	M1	X	2.972	2.972	0	%100
76	M1	Z	1.716	1.716	0	%100
77	M82A	X	2.972	2.972	0	%100
78	M82A	Z	1.716	1.716	0	%100
79	M91B	X	11.887	11.887	0	%100
80	M91B	Z	6.863	6.863	0	%100
81	M76	X	15.314	15.314	0	%100
82	M76	Z	8.842	8.842	0	%100
83	M77	X	5.199	5.199	0	%100
84	M77	Z	3.002	3.002	0	%100
85	M84	X	15.314	15.314	0	%100
86	M84	Z	8.842	8.842	0	%100
87	M85	X	20.797	20.797	0	%100
88	M85	Z	12.007	12.007	0	%100
89	M63	X	15.314	15.314	0	%100
90	M63	Z	8.842	8.842	0	%100
91	M64	X	20.797	20.797	0	%100
92	M64	Z	12.007	12.007	0	%100
93	M68	X	15.314	15.314	0	%100
94	M68	Z	8.842	8.842	0	%100
95	M69	X	5.199	5.199	0	%100
96	M69	Z	3.002	3.002	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
99	M88A	X	5.199	5.199	0	%100
100	M88A	Z	3.002	3.002	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	5.199	5.199	0	%100
104	M93	Z	3.002	3.002	0	%100
105	M46	X	5.105	5.105	0	%100
106	M46	Z	2.947	2.947	0	%100
107	M80	X	5.476	5.476	0	%100
108	M80	Z	3.162	3.162	0	%100
109	M91	X	21.905	21.905	0	%100
110	M91	Z	12.647	12.647	0	%100
111	M55	X	5.105	5.105	0	%100
112	M55	Z	2.947	2.947	0	%100
113	M66	X	21.905	21.905	0	%100
114	M66	Z	12.647	12.647	0	%100
115	M71	X	5.476	5.476	0	%100
116	M71	Z	3.162	3.162	0	%100
117	M79A	X	20.419	20.419	0	%100
118	M79A	Z	11.789	11.789	0	%100
119	M90	X	5.476	5.476	0	%100
120	M90	Z	3.162	3.162	0	%100
121	M95	X	5.476	5.476	0	%100
122	M95	Z	3.162	3.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.905	1.905	0	%100
2	M4	Z	3.299	3.299	0	%100
3	M52A	X	7.618	7.618	0	%100
4	M52A	Z	13.195	13.195	0	%100
5	M76A	X	1.905	1.905	0	%100
6	M76A	Z	3.299	3.299	0	%100
7	M10	X	5.465	5.465	0	%100
8	M10	Z	9.465	9.465	0	%100
9	M43	X	5.465	5.465	0	%100
10	M43	Z	9.465	9.465	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	5.465	5.465	0	%100
16	M77A	Z	9.465	9.465	0	%100
17	M78	X	5.465	5.465	0	%100
18	M78	Z	9.465	9.465	0	%100
19	M100	X	3.816	3.816	0	%100
20	M100	Z	6.609	6.609	0	%100
21	MP3A	X	4.666	4.666	0	%100
22	MP3A	Z	8.083	8.083	0	%100
23	MP4A	X	4.666	4.666	0	%100
24	MP4A	Z	8.083	8.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	MP2A	X	4.666	4.666	0	%100
26	MP2A	Z	8.083	8.083	0	%100
27	MP1A	X	4.666	4.666	0	%100
28	MP1A	Z	8.083	8.083	0	%100
29	MP3B	X	4.666	4.666	0	%100
30	MP3B	Z	8.083	8.083	0	%100
31	MP4B	X	4.666	4.666	0	%100
32	MP4B	Z	8.083	8.083	0	%100
33	MP2B	X	4.666	4.666	0	%100
34	MP2B	Z	8.083	8.083	0	%100
35	MP1B	X	4.666	4.666	0	%100
36	MP1B	Z	8.083	8.083	0	%100
37	MP3C	X	4.666	4.666	0	%100
38	MP3C	Z	8.083	8.083	0	%100
39	MP4C	X	4.666	4.666	0	%100
40	MP4C	Z	8.083	8.083	0	%100
41	MP2C	X	4.666	4.666	0	%100
42	MP2C	Z	8.083	8.083	0	%100
43	MP1C	X	4.666	4.666	0	%100
44	MP1C	Z	8.083	8.083	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	5.209	5.209	0	%100
48	M124	Z	9.022	9.022	0	%100
49	M125	X	5.209	5.209	0	%100
50	M125	Z	9.022	9.022	0	%100
51	M102	X	4.237	4.237	0	%100
52	M102	Z	7.338	7.338	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	4.237	4.237	0	%100
56	M108	Z	7.338	7.338	0	%100
57	M126	X	6.232	6.232	0	%100
58	M126	Z	10.794	10.794	0	%100
59	M127	X	9.105	9.105	0	%100
60	M127	Z	15.77	15.77	0	%100
61	M128	X	6.232	6.232	0	%100
62	M128	Z	10.794	10.794	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	4.91	4.91	0	%100
66	M52B	Z	8.504	8.504	0	%100
67	M58A	X	4.91	4.91	0	%100
68	M58A	Z	8.504	8.504	0	%100
69	M59A	X	4.91	4.91	0	%100
70	M59A	Z	8.504	8.504	0	%100
71	M82	X	4.91	4.91	0	%100
72	M82	Z	8.504	8.504	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	5.147	5.147	0	%100
76	M1	Z	8.915	8.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	5.147	5.147	0	%100
80	M91B	Z	8.915	8.915	0	%100
81	M76	X	2.947	2.947	0	%100
82	M76	Z	5.105	5.105	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	2.947	2.947	0	%100
86	M84	Z	5.105	5.105	0	%100
87	M85	X	9.006	9.006	0	%100
88	M85	Z	15.598	15.598	0	%100
89	M63	X	11.789	11.789	0	%100
90	M63	Z	20.419	20.419	0	%100
91	M64	X	9.006	9.006	0	%100
92	M64	Z	15.598	15.598	0	%100
93	M68	X	11.789	11.789	0	%100
94	M68	Z	20.419	20.419	0	%100
95	M69	X	9.006	9.006	0	%100
96	M69	Z	15.598	15.598	0	%100
97	M87	X	2.947	2.947	0	%100
98	M87	Z	5.105	5.105	0	%100
99	M88A	X	9.006	9.006	0	%100
100	M88A	Z	15.598	15.598	0	%100
101	M92A	X	2.947	2.947	0	%100
102	M92A	Z	5.105	5.105	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	8.842	8.842	0	%100
106	M46	Z	15.314	15.314	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	9.485	9.485	0	%100
110	M91	Z	16.429	16.429	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	9.485	9.485	0	%100
114	M66	Z	16.429	16.429	0	%100
115	M71	X	9.485	9.485	0	%100
116	M71	Z	16.429	16.429	0	%100
117	M79A	X	8.842	8.842	0	%100
118	M79A	Z	15.314	15.314	0	%100
119	M90	X	9.485	9.485	0	%100
120	M90	Z	16.429	16.429	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
3	M52A	X	0	0	0	%100
4	M52A	Z	11.428	11.428	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	11.428	11.428	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	14.573	14.573	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	14.573	14.573	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	3.643	3.643	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	3.643	3.643	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	3.643	3.643	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	3.643	3.643	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	7.632	7.632	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	9.333	9.333	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	9.333	9.333	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	9.333	9.333	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	9.333	9.333	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	9.333	9.333	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	9.333	9.333	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	9.333	9.333	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	9.333	9.333	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	9.333	9.333	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	9.333	9.333	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	9.333	9.333	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	9.333	9.333	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	3.473	3.473	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	13.891	13.891	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	3.473	3.473	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	11.298	11.298	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	2.824	2.824	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
55	M108	X	0	0	0	%100
56	M108	Z	2.824	2.824	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	10.549	10.549	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	16.294	16.294	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	16.294	16.294	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	3.273	3.273	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	3.273	3.273	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	3.273	3.273	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	13.092	13.092	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	13.092	13.092	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	3.273	3.273	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	13.725	13.725	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	3.431	3.431	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	3.431	3.431	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	6.004	6.004	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	6.004	6.004	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	17.684	17.684	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	6.004	6.004	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	17.684	17.684	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	24.015	24.015	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	17.684	17.684	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	24.015	24.015	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	17.684	17.684	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	6.004	6.004	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	23.578	23.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
107	M80	X	0	0	0	%100
108	M80	Z	6.324	6.324	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	6.324	6.324	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	5.895	5.895	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	6.324	6.324	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	25.294	25.294	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	5.895	5.895	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	25.294	25.294	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	6.324	6.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.905	-1.905	0	%100
2	M4	Z	3.299	3.299	0	%100
3	M52A	X	-1.905	-1.905	0	%100
4	M52A	Z	3.299	3.299	0	%100
5	M76A	X	-7.618	-7.618	0	%100
6	M76A	Z	13.195	13.195	0	%100
7	M10	X	-5.465	-5.465	0	%100
8	M10	Z	9.465	9.465	0	%100
9	M43	X	-5.465	-5.465	0	%100
10	M43	Z	9.465	9.465	0	%100
11	M53	X	-5.465	-5.465	0	%100
12	M53	Z	9.465	9.465	0	%100
13	M54	X	-5.465	-5.465	0	%100
14	M54	Z	9.465	9.465	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-3.816	-3.816	0	%100
20	M100	Z	6.609	6.609	0	%100
21	MP3A	X	-4.666	-4.666	0	%100
22	MP3A	Z	8.083	8.083	0	%100
23	MP4A	X	-4.666	-4.666	0	%100
24	MP4A	Z	8.083	8.083	0	%100
25	MP2A	X	-4.666	-4.666	0	%100
26	MP2A	Z	8.083	8.083	0	%100
27	MP1A	X	-4.666	-4.666	0	%100
28	MP1A	Z	8.083	8.083	0	%100
29	MP3B	X	-4.666	-4.666	0	%100
30	MP3B	Z	8.083	8.083	0	%100
31	MP4B	X	-4.666	-4.666	0	%100
32	MP4B	Z	8.083	8.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	-4.666	-4.666	0	%100
34	MP2B	Z	8.083	8.083	0	%100
35	MP1B	X	-4.666	-4.666	0	%100
36	MP1B	Z	8.083	8.083	0	%100
37	MP3C	X	-4.666	-4.666	0	%100
38	MP3C	Z	8.083	8.083	0	%100
39	MP4C	X	-4.666	-4.666	0	%100
40	MP4C	Z	8.083	8.083	0	%100
41	MP2C	X	-4.666	-4.666	0	%100
42	MP2C	Z	8.083	8.083	0	%100
43	MP1C	X	-4.666	-4.666	0	%100
44	MP1C	Z	8.083	8.083	0	%100
45	M123	X	-5.209	-5.209	0	%100
46	M123	Z	9.022	9.022	0	%100
47	M124	X	-5.209	-5.209	0	%100
48	M124	Z	9.022	9.022	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	-4.237	-4.237	0	%100
52	M102	Z	7.338	7.338	0	%100
53	M107	X	-4.237	-4.237	0	%100
54	M107	Z	7.338	7.338	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-6.232	-6.232	0	%100
58	M126	Z	10.794	10.794	0	%100
59	M127	X	-6.232	-6.232	0	%100
60	M127	Z	10.794	10.794	0	%100
61	M128	X	-9.105	-9.105	0	%100
62	M128	Z	15.77	15.77	0	%100
63	M51B	X	-4.91	-4.91	0	%100
64	M51B	Z	8.504	8.504	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	-4.91	-4.91	0	%100
70	M59A	Z	8.504	8.504	0	%100
71	M82	X	-4.91	-4.91	0	%100
72	M82	Z	8.504	8.504	0	%100
73	M83A	X	-4.91	-4.91	0	%100
74	M83A	Z	8.504	8.504	0	%100
75	M1	X	-5.147	-5.147	0	%100
76	M1	Z	8.915	8.915	0	%100
77	M82A	X	-5.147	-5.147	0	%100
78	M82A	Z	8.915	8.915	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-2.947	-2.947	0	%100
82	M76	Z	5.105	5.105	0	%100
83	M77	X	-9.006	-9.006	0	%100
84	M77	Z	15.598	15.598	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
85	M84	X	-2.947	-2.947	0	%100
86	M84	Z	5.105	5.105	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-2.947	-2.947	0	%100
90	M63	Z	5.105	5.105	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	-2.947	-2.947	0	%100
94	M68	Z	5.105	5.105	0	%100
95	M69	X	-9.006	-9.006	0	%100
96	M69	Z	15.598	15.598	0	%100
97	M87	X	-11.789	-11.789	0	%100
98	M87	Z	20.419	20.419	0	%100
99	M88A	X	-9.006	-9.006	0	%100
100	M88A	Z	15.598	15.598	0	%100
101	M92A	X	-11.789	-11.789	0	%100
102	M92A	Z	20.419	20.419	0	%100
103	M93	X	-9.006	-9.006	0	%100
104	M93	Z	15.598	15.598	0	%100
105	M46	X	-8.842	-8.842	0	%100
106	M46	Z	15.314	15.314	0	%100
107	M80	X	-9.485	-9.485	0	%100
108	M80	Z	16.429	16.429	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-8.842	-8.842	0	%100
112	M55	Z	15.314	15.314	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	-9.485	-9.485	0	%100
116	M71	Z	16.429	16.429	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	-9.485	-9.485	0	%100
120	M90	Z	16.429	16.429	0	%100
121	M95	X	-9.485	-9.485	0	%100
122	M95	Z	16.429	16.429	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-9.897	-9.897	0	%100
2	M4	Z	5.714	5.714	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-9.897	-9.897	0	%100
6	M76A	Z	5.714	5.714	0	%100
7	M10	X	-3.155	-3.155	0	%100
8	M10	Z	1.822	1.822	0	%100
9	M43	X	-3.155	-3.155	0	%100
10	M43	Z	1.822	1.822	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
11	M53	X	-12.62	-12.62	0	%100
12	M53	Z	7.286	7.286	0	%100
13	M54	X	-12.62	-12.62	0	%100
14	M54	Z	7.286	7.286	0	%100
15	M77A	X	-3.155	-3.155	0	%100
16	M77A	Z	1.822	1.822	0	%100
17	M78	X	-3.155	-3.155	0	%100
18	M78	Z	1.822	1.822	0	%100
19	M100	X	-6.609	-6.609	0	%100
20	M100	Z	3.816	3.816	0	%100
21	MP3A	X	-8.083	-8.083	0	%100
22	MP3A	Z	4.666	4.666	0	%100
23	MP4A	X	-8.083	-8.083	0	%100
24	MP4A	Z	4.666	4.666	0	%100
25	MP2A	X	-8.083	-8.083	0	%100
26	MP2A	Z	4.666	4.666	0	%100
27	MP1A	X	-8.083	-8.083	0	%100
28	MP1A	Z	4.666	4.666	0	%100
29	MP3B	X	-8.083	-8.083	0	%100
30	MP3B	Z	4.666	4.666	0	%100
31	MP4B	X	-8.083	-8.083	0	%100
32	MP4B	Z	4.666	4.666	0	%100
33	MP2B	X	-8.083	-8.083	0	%100
34	MP2B	Z	4.666	4.666	0	%100
35	MP1B	X	-8.083	-8.083	0	%100
36	MP1B	Z	4.666	4.666	0	%100
37	MP3C	X	-8.083	-8.083	0	%100
38	MP3C	Z	4.666	4.666	0	%100
39	MP4C	X	-8.083	-8.083	0	%100
40	MP4C	Z	4.666	4.666	0	%100
41	MP2C	X	-8.083	-8.083	0	%100
42	MP2C	Z	4.666	4.666	0	%100
43	MP1C	X	-8.083	-8.083	0	%100
44	MP1C	Z	4.666	4.666	0	%100
45	M123	X	-12.03	-12.03	0	%100
46	M123	Z	6.945	6.945	0	%100
47	M124	X	-3.007	-3.007	0	%100
48	M124	Z	1.736	1.736	0	%100
49	M125	X	-3.007	-3.007	0	%100
50	M125	Z	1.736	1.736	0	%100
51	M102	X	-2.446	-2.446	0	%100
52	M102	Z	1.412	1.412	0	%100
53	M107	X	-9.784	-9.784	0	%100
54	M107	Z	5.649	5.649	0	%100
55	M108	X	-2.446	-2.446	0	%100
56	M108	Z	1.412	1.412	0	%100
57	M126	X	-14.111	-14.111	0	%100
58	M126	Z	8.147	8.147	0	%100
59	M127	X	-9.136	-9.136	0	%100
60	M127	Z	5.275	5.275	0	%100
61	M128	X	-14.111	-14.111	0	%100
62	M128	Z	8.147	8.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
63	M51B	X	-11.338	-11.338	0	%100
64	M51B	Z	6.546	6.546	0	%100
65	M52B	X	-2.835	-2.835	0	%100
66	M52B	Z	1.637	1.637	0	%100
67	M58A	X	-2.835	-2.835	0	%100
68	M58A	Z	1.637	1.637	0	%100
69	M59A	X	-2.835	-2.835	0	%100
70	M59A	Z	1.637	1.637	0	%100
71	M82	X	-2.835	-2.835	0	%100
72	M82	Z	1.637	1.637	0	%100
73	M83A	X	-11.338	-11.338	0	%100
74	M83A	Z	6.546	6.546	0	%100
75	M1	X	-2.972	-2.972	0	%100
76	M1	Z	1.716	1.716	0	%100
77	M82A	X	-11.887	-11.887	0	%100
78	M82A	Z	6.863	6.863	0	%100
79	M91B	X	-2.972	-2.972	0	%100
80	M91B	Z	1.716	1.716	0	%100
81	M76	X	-15.314	-15.314	0	%100
82	M76	Z	8.842	8.842	0	%100
83	M77	X	-20.797	-20.797	0	%100
84	M77	Z	12.007	12.007	0	%100
85	M84	X	-15.314	-15.314	0	%100
86	M84	Z	8.842	8.842	0	%100
87	M85	X	-5.199	-5.199	0	%100
88	M85	Z	3.002	3.002	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-5.199	-5.199	0	%100
92	M64	Z	3.002	3.002	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	-5.199	-5.199	0	%100
96	M69	Z	3.002	3.002	0	%100
97	M87	X	-15.314	-15.314	0	%100
98	M87	Z	8.842	8.842	0	%100
99	M88A	X	-5.199	-5.199	0	%100
100	M88A	Z	3.002	3.002	0	%100
101	M92A	X	-15.314	-15.314	0	%100
102	M92A	Z	8.842	8.842	0	%100
103	M93	X	-20.797	-20.797	0	%100
104	M93	Z	12.007	12.007	0	%100
105	M46	X	-5.105	-5.105	0	%100
106	M46	Z	2.947	2.947	0	%100
107	M80	X	-21.905	-21.905	0	%100
108	M80	Z	12.647	12.647	0	%100
109	M91	X	-5.476	-5.476	0	%100
110	M91	Z	3.162	3.162	0	%100
111	M55	X	-20.419	-20.419	0	%100
112	M55	Z	11.789	11.789	0	%100
113	M66	X	-5.476	-5.476	0	%100
114	M66	Z	3.162	3.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
115	M71	X	-5.476	-5.476	0	%100
116	M71	Z	3.162	3.162	0	%100
117	M79A	X	-5.105	-5.105	0	%100
118	M79A	Z	2.947	2.947	0	%100
119	M90	X	-5.476	-5.476	0	%100
120	M90	Z	3.162	3.162	0	%100
121	M95	X	-21.905	-21.905	0	%100
122	M95	Z	12.647	12.647	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-15.237	-15.237	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-3.809	-3.809	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-3.809	-3.809	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-10.929	-10.929	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-10.929	-10.929	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-10.929	-10.929	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-10.929	-10.929	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-7.632	-7.632	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	-9.333	-9.333	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-9.333	-9.333	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	-9.333	-9.333	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-9.333	-9.333	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	-9.333	-9.333	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	-9.333	-9.333	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	-9.333	-9.333	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-9.333	-9.333	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	-9.333	-9.333	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	-9.333	-9.333	0	%100
40	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
41	MP2C	X	-9.333	-9.333	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-9.333	-9.333	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	-10.418	-10.418	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	-10.418	-10.418	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	-8.473	-8.473	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-8.473	-8.473	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-18.209	-18.209	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	-12.464	-12.464	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	-12.464	-12.464	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	-9.819	-9.819	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-9.819	-9.819	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	-9.819	-9.819	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-9.819	-9.819	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	-10.294	-10.294	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-10.294	-10.294	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-23.578	-23.578	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	-18.011	-18.011	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-23.578	-23.578	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-18.011	-18.011	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-5.895	-5.895	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-18.011	-18.011	0	%100
92	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
93	M68	X	-5.895	-5.895	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	-5.895	-5.895	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	-5.895	-5.895	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-18.011	-18.011	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	-18.971	-18.971	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-18.971	-18.971	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-17.684	-17.684	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-18.971	-18.971	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	-17.684	-17.684	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100
121	M95	X	-18.971	-18.971	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-9.897	-9.897	0	%100
2	M4	Z	-5.714	-5.714	0	%100
3	M52A	X	-9.897	-9.897	0	%100
4	M52A	Z	-5.714	-5.714	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-3.155	-3.155	0	%100
8	M10	Z	-1.822	-1.822	0	%100
9	M43	X	-3.155	-3.155	0	%100
10	M43	Z	-1.822	-1.822	0	%100
11	M53	X	-3.155	-3.155	0	%100
12	M53	Z	-1.822	-1.822	0	%100
13	M54	X	-3.155	-3.155	0	%100
14	M54	Z	-1.822	-1.822	0	%100
15	M77A	X	-12.62	-12.62	0	%100
16	M77A	Z	-7.286	-7.286	0	%100
17	M78	X	-12.62	-12.62	0	%100
18	M78	Z	-7.286	-7.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M100	X	-6.609	-6.609	0	%100
20	M100	Z	-3.816	-3.816	0	%100
21	MP3A	X	-8.083	-8.083	0	%100
22	MP3A	Z	-4.666	-4.666	0	%100
23	MP4A	X	-8.083	-8.083	0	%100
24	MP4A	Z	-4.666	-4.666	0	%100
25	MP2A	X	-8.083	-8.083	0	%100
26	MP2A	Z	-4.666	-4.666	0	%100
27	MP1A	X	-8.083	-8.083	0	%100
28	MP1A	Z	-4.666	-4.666	0	%100
29	MP3B	X	-8.083	-8.083	0	%100
30	MP3B	Z	-4.666	-4.666	0	%100
31	MP4B	X	-8.083	-8.083	0	%100
32	MP4B	Z	-4.666	-4.666	0	%100
33	MP2B	X	-8.083	-8.083	0	%100
34	MP2B	Z	-4.666	-4.666	0	%100
35	MP1B	X	-8.083	-8.083	0	%100
36	MP1B	Z	-4.666	-4.666	0	%100
37	MP3C	X	-8.083	-8.083	0	%100
38	MP3C	Z	-4.666	-4.666	0	%100
39	MP4C	X	-8.083	-8.083	0	%100
40	MP4C	Z	-4.666	-4.666	0	%100
41	MP2C	X	-8.083	-8.083	0	%100
42	MP2C	Z	-4.666	-4.666	0	%100
43	MP1C	X	-8.083	-8.083	0	%100
44	MP1C	Z	-4.666	-4.666	0	%100
45	M123	X	-3.007	-3.007	0	%100
46	M123	Z	-1.736	-1.736	0	%100
47	M124	X	-3.007	-3.007	0	%100
48	M124	Z	-1.736	-1.736	0	%100
49	M125	X	-12.03	-12.03	0	%100
50	M125	Z	-6.945	-6.945	0	%100
51	M102	X	-2.446	-2.446	0	%100
52	M102	Z	-1.412	-1.412	0	%100
53	M107	X	-2.446	-2.446	0	%100
54	M107	Z	-1.412	-1.412	0	%100
55	M108	X	-9.784	-9.784	0	%100
56	M108	Z	-5.649	-5.649	0	%100
57	M126	X	-14.111	-14.111	0	%100
58	M126	Z	-8.147	-8.147	0	%100
59	M127	X	-14.111	-14.111	0	%100
60	M127	Z	-8.147	-8.147	0	%100
61	M128	X	-9.136	-9.136	0	%100
62	M128	Z	-5.275	-5.275	0	%100
63	M51B	X	-2.835	-2.835	0	%100
64	M51B	Z	-1.637	-1.637	0	%100
65	M52B	X	-11.338	-11.338	0	%100
66	M52B	Z	-6.546	-6.546	0	%100
67	M58A	X	-11.338	-11.338	0	%100
68	M58A	Z	-6.546	-6.546	0	%100
69	M59A	X	-2.835	-2.835	0	%100
70	M59A	Z	-1.637	-1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
71	M82	X	-2.835	-2.835	0	%100
72	M82	Z	-1.637	-1.637	0	%100
73	M83A	X	-2.835	-2.835	0	%100
74	M83A	Z	-1.637	-1.637	0	%100
75	M1	X	-2.972	-2.972	0	%100
76	M1	Z	-1.716	-1.716	0	%100
77	M82A	X	-2.972	-2.972	0	%100
78	M82A	Z	-1.716	-1.716	0	%100
79	M91B	X	-11.887	-11.887	0	%100
80	M91B	Z	-6.863	-6.863	0	%100
81	M76	X	-15.314	-15.314	0	%100
82	M76	Z	-8.842	-8.842	0	%100
83	M77	X	-5.199	-5.199	0	%100
84	M77	Z	-3.002	-3.002	0	%100
85	M84	X	-15.314	-15.314	0	%100
86	M84	Z	-8.842	-8.842	0	%100
87	M85	X	-20.797	-20.797	0	%100
88	M85	Z	-12.007	-12.007	0	%100
89	M63	X	-15.314	-15.314	0	%100
90	M63	Z	-8.842	-8.842	0	%100
91	M64	X	-20.797	-20.797	0	%100
92	M64	Z	-12.007	-12.007	0	%100
93	M68	X	-15.314	-15.314	0	%100
94	M68	Z	-8.842	-8.842	0	%100
95	M69	X	-5.199	-5.199	0	%100
96	M69	Z	-3.002	-3.002	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	-5.199	-5.199	0	%100
100	M88A	Z	-3.002	-3.002	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-5.199	-5.199	0	%100
104	M93	Z	-3.002	-3.002	0	%100
105	M46	X	-5.105	-5.105	0	%100
106	M46	Z	-2.947	-2.947	0	%100
107	M80	X	-5.476	-5.476	0	%100
108	M80	Z	-3.162	-3.162	0	%100
109	M91	X	-21.905	-21.905	0	%100
110	M91	Z	-12.647	-12.647	0	%100
111	M55	X	-5.105	-5.105	0	%100
112	M55	Z	-2.947	-2.947	0	%100
113	M66	X	-21.905	-21.905	0	%100
114	M66	Z	-12.647	-12.647	0	%100
115	M71	X	-5.476	-5.476	0	%100
116	M71	Z	-3.162	-3.162	0	%100
117	M79A	X	-20.419	-20.419	0	%100
118	M79A	Z	-11.789	-11.789	0	%100
119	M90	X	-5.476	-5.476	0	%100
120	M90	Z	-3.162	-3.162	0	%100
121	M95	X	-5.476	-5.476	0	%100
122	M95	Z	-3.162	-3.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.905	-1.905	0	%100
2	M4	Z	-3.299	-3.299	0	%100
3	M52A	X	-7.618	-7.618	0	%100
4	M52A	Z	-13.195	-13.195	0	%100
5	M76A	X	-1.905	-1.905	0	%100
6	M76A	Z	-3.299	-3.299	0	%100
7	M10	X	-5.465	-5.465	0	%100
8	M10	Z	-9.465	-9.465	0	%100
9	M43	X	-5.465	-5.465	0	%100
10	M43	Z	-9.465	-9.465	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-5.465	-5.465	0	%100
16	M77A	Z	-9.465	-9.465	0	%100
17	M78	X	-5.465	-5.465	0	%100
18	M78	Z	-9.465	-9.465	0	%100
19	M100	X	-3.816	-3.816	0	%100
20	M100	Z	-6.609	-6.609	0	%100
21	MP3A	X	-4.666	-4.666	0	%100
22	MP3A	Z	-8.083	-8.083	0	%100
23	MP4A	X	-4.666	-4.666	0	%100
24	MP4A	Z	-8.083	-8.083	0	%100
25	MP2A	X	-4.666	-4.666	0	%100
26	MP2A	Z	-8.083	-8.083	0	%100
27	MP1A	X	-4.666	-4.666	0	%100
28	MP1A	Z	-8.083	-8.083	0	%100
29	MP3B	X	-4.666	-4.666	0	%100
30	MP3B	Z	-8.083	-8.083	0	%100
31	MP4B	X	-4.666	-4.666	0	%100
32	MP4B	Z	-8.083	-8.083	0	%100
33	MP2B	X	-4.666	-4.666	0	%100
34	MP2B	Z	-8.083	-8.083	0	%100
35	MP1B	X	-4.666	-4.666	0	%100
36	MP1B	Z	-8.083	-8.083	0	%100
37	MP3C	X	-4.666	-4.666	0	%100
38	MP3C	Z	-8.083	-8.083	0	%100
39	MP4C	X	-4.666	-4.666	0	%100
40	MP4C	Z	-8.083	-8.083	0	%100
41	MP2C	X	-4.666	-4.666	0	%100
42	MP2C	Z	-8.083	-8.083	0	%100
43	MP1C	X	-4.666	-4.666	0	%100
44	MP1C	Z	-8.083	-8.083	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	-5.209	-5.209	0	%100
48	M124	Z	-9.022	-9.022	0	%100
49	M125	X	-5.209	-5.209	0	%100
50	M125	Z	-9.022	-9.022	0	%100
51	M102	X	-4.237	-4.237	0	%100
52	M102	Z	-7.338	-7.338	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-4.237	-4.237	0	%100
56	M108	Z	-7.338	-7.338	0	%100
57	M126	X	-6.232	-6.232	0	%100
58	M126	Z	-10.794	-10.794	0	%100
59	M127	X	-9.105	-9.105	0	%100
60	M127	Z	-15.77	-15.77	0	%100
61	M128	X	-6.232	-6.232	0	%100
62	M128	Z	-10.794	-10.794	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-4.91	-4.91	0	%100
66	M52B	Z	-8.504	-8.504	0	%100
67	M58A	X	-4.91	-4.91	0	%100
68	M58A	Z	-8.504	-8.504	0	%100
69	M59A	X	-4.91	-4.91	0	%100
70	M59A	Z	-8.504	-8.504	0	%100
71	M82	X	-4.91	-4.91	0	%100
72	M82	Z	-8.504	-8.504	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	-5.147	-5.147	0	%100
76	M1	Z	-8.915	-8.915	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-5.147	-5.147	0	%100
80	M91B	Z	-8.915	-8.915	0	%100
81	M76	X	-2.947	-2.947	0	%100
82	M76	Z	-5.105	-5.105	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-2.947	-2.947	0	%100
86	M84	Z	-5.105	-5.105	0	%100
87	M85	X	-9.006	-9.006	0	%100
88	M85	Z	-15.598	-15.598	0	%100
89	M63	X	-11.789	-11.789	0	%100
90	M63	Z	-20.419	-20.419	0	%100
91	M64	X	-9.006	-9.006	0	%100
92	M64	Z	-15.598	-15.598	0	%100
93	M68	X	-11.789	-11.789	0	%100
94	M68	Z	-20.419	-20.419	0	%100
95	M69	X	-9.006	-9.006	0	%100
96	M69	Z	-15.598	-15.598	0	%100
97	M87	X	-2.947	-2.947	0	%100
98	M87	Z	-5.105	-5.105	0	%100
99	M88A	X	-9.006	-9.006	0	%100
100	M88A	Z	-15.598	-15.598	0	%100
101	M92A	X	-2.947	-2.947	0	%100
102	M92A	Z	-5.105	-5.105	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
105	M46	X	-8.842	-8.842	0	%100
106	M46	Z	-15.314	-15.314	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-9.485	-9.485	0	%100
110	M91	Z	-16.429	-16.429	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-9.485	-9.485	0	%100
114	M66	Z	-16.429	-16.429	0	%100
115	M71	X	-9.485	-9.485	0	%100
116	M71	Z	-16.429	-16.429	0	%100
117	M79A	X	-8.842	-8.842	0	%100
118	M79A	Z	-15.314	-15.314	0	%100
119	M90	X	-9.485	-9.485	0	%100
120	M90	Z	-16.429	-16.429	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-3.319	-3.319	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-3.319	-3.319	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-3.923	-3.923	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-3.923	-3.923	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-.981	-.981	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-.981	-.981	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-.981	-.981	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-.981	-.981	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	-2.755	-2.755	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-3.348	-3.348	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-3.348	-3.348	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-3.348	-3.348	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-3.348	-3.348	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-3.348	-3.348	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-3.348	-3.348	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-3.348	-3.348	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-3.348	-3.348	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-3.348	-3.348	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-3.348	-3.348	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-3.348	-3.348	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-3.348	-3.348	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	-.929	-.929	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	-3.715	-3.715	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	-.929	-.929	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	-3.706	-3.706	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	-.927	-.927	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	-.927	-.927	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	-2.484	-2.484	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	-4.347	-4.347	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	-4.347	-4.347	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	-.984	-.984	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	-.984	-.984	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	-.984	-.984	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	-3.937	-3.937	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-3.937	-3.937	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-.984	-.984	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	-4.155	-4.155	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-1.039	-1.039	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-1.039	-1.039	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
83	M77	X	0	0	0	%100
84	M77	Z	-1.336	-1.336	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	-1.336	-1.336	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-3.948	-3.948	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-1.336	-1.336	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	-3.948	-3.948	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	-5.344	-5.344	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	-3.948	-3.948	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	-5.344	-5.344	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	-3.948	-3.948	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	-1.336	-1.336	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	-5.353	-5.353	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	-1.394	-1.394	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	-1.394	-1.394	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	-1.338	-1.338	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	-1.394	-1.394	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	-5.578	-5.578	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	-1.338	-1.338	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	-5.578	-5.578	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	-1.394	-1.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.553	.553	0	%100
2	M4	Z	-.958	-.958	0	%100
3	M52A	X	.553	.553	0	%100
4	M52A	Z	-.958	-.958	0	%100
5	M76A	X	2.213	2.213	0	%100
6	M76A	Z	-3.833	-3.833	0	%100
7	M10	X	1.471	1.471	0	%100
8	M10	Z	-2.548	-2.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
9	M43	X	1.471	1.471	0	%100
10	M43	Z	-2.548	-2.548	0	%100
11	M53	X	1.471	1.471	0	%100
12	M53	Z	-2.548	-2.548	0	%100
13	M54	X	1.471	1.471	0	%100
14	M54	Z	-2.548	-2.548	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	1.377	1.377	0	%100
20	M100	Z	-2.386	-2.386	0	%100
21	MP3A	X	1.674	1.674	0	%100
22	MP3A	Z	-2.899	-2.899	0	%100
23	MP4A	X	1.674	1.674	0	%100
24	MP4A	Z	-2.899	-2.899	0	%100
25	MP2A	X	1.674	1.674	0	%100
26	MP2A	Z	-2.899	-2.899	0	%100
27	MP1A	X	1.674	1.674	0	%100
28	MP1A	Z	-2.899	-2.899	0	%100
29	MP3B	X	1.674	1.674	0	%100
30	MP3B	Z	-2.899	-2.899	0	%100
31	MP4B	X	1.674	1.674	0	%100
32	MP4B	Z	-2.899	-2.899	0	%100
33	MP2B	X	1.674	1.674	0	%100
34	MP2B	Z	-2.899	-2.899	0	%100
35	MP1B	X	1.674	1.674	0	%100
36	MP1B	Z	-2.899	-2.899	0	%100
37	MP3C	X	1.674	1.674	0	%100
38	MP3C	Z	-2.899	-2.899	0	%100
39	MP4C	X	1.674	1.674	0	%100
40	MP4C	Z	-2.899	-2.899	0	%100
41	MP2C	X	1.674	1.674	0	%100
42	MP2C	Z	-2.899	-2.899	0	%100
43	MP1C	X	1.674	1.674	0	%100
44	MP1C	Z	-2.899	-2.899	0	%100
45	M123	X	1.393	1.393	0	%100
46	M123	Z	-2.413	-2.413	0	%100
47	M124	X	1.393	1.393	0	%100
48	M124	Z	-2.413	-2.413	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	1.39	1.39	0	%100
52	M102	Z	-2.407	-2.407	0	%100
53	M107	X	1.39	1.39	0	%100
54	M107	Z	-2.407	-2.407	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	1.553	1.553	0	%100
58	M126	Z	-2.689	-2.689	0	%100
59	M127	X	1.553	1.553	0	%100
60	M127	Z	-2.689	-2.689	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	M128	X	2.484	2.484	0	%100
62	M128	Z	-4.303	-4.303	0	%100
63	M51B	X	1.476	1.476	0	%100
64	M51B	Z	-2.557	-2.557	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	1.476	1.476	0	%100
70	M59A	Z	-2.557	-2.557	0	%100
71	M82	X	1.476	1.476	0	%100
72	M82	Z	-2.557	-2.557	0	%100
73	M83A	X	1.476	1.476	0	%100
74	M83A	Z	-2.557	-2.557	0	%100
75	M1	X	1.558	1.558	0	%100
76	M1	Z	-2.699	-2.699	0	%100
77	M82A	X	1.558	1.558	0	%100
78	M82A	Z	-2.699	-2.699	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	.658	.658	0	%100
82	M76	Z	-1.14	-1.14	0	%100
83	M77	X	2.004	2.004	0	%100
84	M77	Z	-3.471	-3.471	0	%100
85	M84	X	.658	.658	0	%100
86	M84	Z	-1.14	-1.14	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	.658	.658	0	%100
90	M63	Z	-1.14	-1.14	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	.658	.658	0	%100
94	M68	Z	-1.14	-1.14	0	%100
95	M69	X	2.004	2.004	0	%100
96	M69	Z	-3.471	-3.471	0	%100
97	M87	X	2.632	2.632	0	%100
98	M87	Z	-4.559	-4.559	0	%100
99	M88A	X	2.004	2.004	0	%100
100	M88A	Z	-3.471	-3.471	0	%100
101	M92A	X	2.632	2.632	0	%100
102	M92A	Z	-4.559	-4.559	0	%100
103	M93	X	2.004	2.004	0	%100
104	M93	Z	-3.471	-3.471	0	%100
105	M46	X	2.007	2.007	0	%100
106	M46	Z	-3.477	-3.477	0	%100
107	M80	X	2.092	2.092	0	%100
108	M80	Z	-3.623	-3.623	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	2.007	2.007	0	%100
112	M55	Z	-3.477	-3.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	2.092	2.092	0	%100
116	M71	Z	-3.623	-3.623	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	2.092	2.092	0	%100
120	M90	Z	-3.623	-3.623	0	%100
121	M95	X	2.092	2.092	0	%100
122	M95	Z	-3.623	-3.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.875	2.875	0	%100
2	M4	Z	-1.66	-1.66	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	2.875	2.875	0	%100
6	M76A	Z	-1.66	-1.66	0	%100
7	M10	X	.849	.849	0	%100
8	M10	Z	-.49	-.49	0	%100
9	M43	X	.849	.849	0	%100
10	M43	Z	-.49	-.49	0	%100
11	M53	X	3.397	3.397	0	%100
12	M53	Z	-1.961	-1.961	0	%100
13	M54	X	3.397	3.397	0	%100
14	M54	Z	-1.961	-1.961	0	%100
15	M77A	X	.849	.849	0	%100
16	M77A	Z	-.49	-.49	0	%100
17	M78	X	.849	.849	0	%100
18	M78	Z	-.49	-.49	0	%100
19	M100	X	2.386	2.386	0	%100
20	M100	Z	-1.377	-1.377	0	%100
21	MP3A	X	2.899	2.899	0	%100
22	MP3A	Z	-1.674	-1.674	0	%100
23	MP4A	X	2.899	2.899	0	%100
24	MP4A	Z	-1.674	-1.674	0	%100
25	MP2A	X	2.899	2.899	0	%100
26	MP2A	Z	-1.674	-1.674	0	%100
27	MP1A	X	2.899	2.899	0	%100
28	MP1A	Z	-1.674	-1.674	0	%100
29	MP3B	X	2.899	2.899	0	%100
30	MP3B	Z	-1.674	-1.674	0	%100
31	MP4B	X	2.899	2.899	0	%100
32	MP4B	Z	-1.674	-1.674	0	%100
33	MP2B	X	2.899	2.899	0	%100
34	MP2B	Z	-1.674	-1.674	0	%100
35	MP1B	X	2.899	2.899	0	%100
36	MP1B	Z	-1.674	-1.674	0	%100
37	MP3C	X	2.899	2.899	0	%100
38	MP3C	Z	-1.674	-1.674	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
39	MP4C	X	2.899	2.899	0	%100
40	MP4C	Z	-1.674	-1.674	0	%100
41	MP2C	X	2.899	2.899	0	%100
42	MP2C	Z	-1.674	-1.674	0	%100
43	MP1C	X	2.899	2.899	0	%100
44	MP1C	Z	-1.674	-1.674	0	%100
45	M123	X	3.217	3.217	0	%100
46	M123	Z	-1.858	-1.858	0	%100
47	M124	X	.804	.804	0	%100
48	M124	Z	-.464	-.464	0	%100
49	M125	X	.804	.804	0	%100
50	M125	Z	-.464	-.464	0	%100
51	M102	X	.802	.802	0	%100
52	M102	Z	-.463	-.463	0	%100
53	M107	X	3.21	3.21	0	%100
54	M107	Z	-1.853	-1.853	0	%100
55	M108	X	.802	.802	0	%100
56	M108	Z	-.463	-.463	0	%100
57	M126	X	3.765	3.765	0	%100
58	M126	Z	-2.174	-2.174	0	%100
59	M127	X	2.151	2.151	0	%100
60	M127	Z	-1.242	-1.242	0	%100
61	M128	X	3.765	3.765	0	%100
62	M128	Z	-2.174	-2.174	0	%100
63	M51B	X	3.41	3.41	0	%100
64	M51B	Z	-1.969	-1.969	0	%100
65	M52B	X	.852	.852	0	%100
66	M52B	Z	-.492	-.492	0	%100
67	M58A	X	.852	.852	0	%100
68	M58A	Z	-.492	-.492	0	%100
69	M59A	X	.852	.852	0	%100
70	M59A	Z	-.492	-.492	0	%100
71	M82	X	.852	.852	0	%100
72	M82	Z	-.492	-.492	0	%100
73	M83A	X	3.41	3.41	0	%100
74	M83A	Z	-1.969	-1.969	0	%100
75	M1	X	.9	.9	0	%100
76	M1	Z	-.519	-.519	0	%100
77	M82A	X	3.598	3.598	0	%100
78	M82A	Z	-2.077	-2.077	0	%100
79	M91B	X	.9	.9	0	%100
80	M91B	Z	-.519	-.519	0	%100
81	M76	X	3.419	3.419	0	%100
82	M76	Z	-1.974	-1.974	0	%100
83	M77	X	4.628	4.628	0	%100
84	M77	Z	-2.672	-2.672	0	%100
85	M84	X	3.419	3.419	0	%100
86	M84	Z	-1.974	-1.974	0	%100
87	M85	X	1.157	1.157	0	%100
88	M85	Z	-.668	-.668	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
91	M64	X	1.157	1.157	0	%100
92	M64	Z	-.668	-.668	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	1.157	1.157	0	%100
96	M69	Z	-.668	-.668	0	%100
97	M87	X	3.419	3.419	0	%100
98	M87	Z	-1.974	-1.974	0	%100
99	M88A	X	1.157	1.157	0	%100
100	M88A	Z	-.668	-.668	0	%100
101	M92A	X	3.419	3.419	0	%100
102	M92A	Z	-1.974	-1.974	0	%100
103	M93	X	4.628	4.628	0	%100
104	M93	Z	-2.672	-2.672	0	%100
105	M46	X	1.159	1.159	0	%100
106	M46	Z	-.669	-.669	0	%100
107	M80	X	4.831	4.831	0	%100
108	M80	Z	-2.789	-2.789	0	%100
109	M91	X	1.208	1.208	0	%100
110	M91	Z	-.697	-.697	0	%100
111	M55	X	4.636	4.636	0	%100
112	M55	Z	-2.676	-2.676	0	%100
113	M66	X	1.208	1.208	0	%100
114	M66	Z	-.697	-.697	0	%100
115	M71	X	1.208	1.208	0	%100
116	M71	Z	-.697	-.697	0	%100
117	M79A	X	1.159	1.159	0	%100
118	M79A	Z	-.669	-.669	0	%100
119	M90	X	1.208	1.208	0	%100
120	M90	Z	-.697	-.697	0	%100
121	M95	X	4.831	4.831	0	%100
122	M95	Z	-2.789	-2.789	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	4.426	4.426	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	1.106	1.106	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	1.106	1.106	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	2.942	2.942	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	2.942	2.942	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	2.942	2.942	0	%100
16	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
17	M78	X	2.942	2.942	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	2.755	2.755	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	3.348	3.348	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	3.348	3.348	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	3.348	3.348	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	3.348	3.348	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	3.348	3.348	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	3.348	3.348	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	3.348	3.348	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	3.348	3.348	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	3.348	3.348	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	3.348	3.348	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	3.348	3.348	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	3.348	3.348	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	2.786	2.786	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	2.786	2.786	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	2.78	2.78	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	2.78	2.78	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	4.969	4.969	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	3.105	3.105	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	3.105	3.105	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	2.953	2.953	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	2.953	2.953	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	2.953	2.953	0	%100
68	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	2.953	2.953	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	3.116	3.116	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	3.116	3.116	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	5.264	5.264	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	4.008	4.008	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	5.264	5.264	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	4.008	4.008	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	1.316	1.316	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	4.008	4.008	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	1.316	1.316	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	1.316	1.316	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	1.316	1.316	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	4.008	4.008	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	4.183	4.183	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	4.183	4.183	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	4.015	4.015	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	4.183	4.183	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	4.015	4.015	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
121	M95	X	4.183	4.183	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.875	2.875	0	%100
2	M4	Z	1.66	1.66	0	%100
3	M52A	X	2.875	2.875	0	%100
4	M52A	Z	1.66	1.66	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	.849	.849	0	%100
8	M10	Z	.49	.49	0	%100
9	M43	X	.849	.849	0	%100
10	M43	Z	.49	.49	0	%100
11	M53	X	.849	.849	0	%100
12	M53	Z	.49	.49	0	%100
13	M54	X	.849	.849	0	%100
14	M54	Z	.49	.49	0	%100
15	M77A	X	3.397	3.397	0	%100
16	M77A	Z	1.961	1.961	0	%100
17	M78	X	3.397	3.397	0	%100
18	M78	Z	1.961	1.961	0	%100
19	M100	X	2.386	2.386	0	%100
20	M100	Z	1.377	1.377	0	%100
21	MP3A	X	2.899	2.899	0	%100
22	MP3A	Z	1.674	1.674	0	%100
23	MP4A	X	2.899	2.899	0	%100
24	MP4A	Z	1.674	1.674	0	%100
25	MP2A	X	2.899	2.899	0	%100
26	MP2A	Z	1.674	1.674	0	%100
27	MP1A	X	2.899	2.899	0	%100
28	MP1A	Z	1.674	1.674	0	%100
29	MP3B	X	2.899	2.899	0	%100
30	MP3B	Z	1.674	1.674	0	%100
31	MP4B	X	2.899	2.899	0	%100
32	MP4B	Z	1.674	1.674	0	%100
33	MP2B	X	2.899	2.899	0	%100
34	MP2B	Z	1.674	1.674	0	%100
35	MP1B	X	2.899	2.899	0	%100
36	MP1B	Z	1.674	1.674	0	%100
37	MP3C	X	2.899	2.899	0	%100
38	MP3C	Z	1.674	1.674	0	%100
39	MP4C	X	2.899	2.899	0	%100
40	MP4C	Z	1.674	1.674	0	%100
41	MP2C	X	2.899	2.899	0	%100
42	MP2C	Z	1.674	1.674	0	%100
43	MP1C	X	2.899	2.899	0	%100
44	MP1C	Z	1.674	1.674	0	%100
45	M123	X	.804	.804	0	%100
46	M123	Z	.464	.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
47	M124	X	.804	.804	0	%100
48	M124	Z	.464	.464	0	%100
49	M125	X	3.217	3.217	0	%100
50	M125	Z	1.858	1.858	0	%100
51	M102	X	.802	.802	0	%100
52	M102	Z	.463	.463	0	%100
53	M107	X	.802	.802	0	%100
54	M107	Z	.463	.463	0	%100
55	M108	X	3.21	3.21	0	%100
56	M108	Z	1.853	1.853	0	%100
57	M126	X	3.765	3.765	0	%100
58	M126	Z	2.174	2.174	0	%100
59	M127	X	3.765	3.765	0	%100
60	M127	Z	2.174	2.174	0	%100
61	M128	X	2.151	2.151	0	%100
62	M128	Z	1.242	1.242	0	%100
63	M51B	X	.852	.852	0	%100
64	M51B	Z	.492	.492	0	%100
65	M52B	X	3.41	3.41	0	%100
66	M52B	Z	1.969	1.969	0	%100
67	M58A	X	3.41	3.41	0	%100
68	M58A	Z	1.969	1.969	0	%100
69	M59A	X	.852	.852	0	%100
70	M59A	Z	.492	.492	0	%100
71	M82	X	.852	.852	0	%100
72	M82	Z	.492	.492	0	%100
73	M83A	X	.852	.852	0	%100
74	M83A	Z	.492	.492	0	%100
75	M1	X	.9	.9	0	%100
76	M1	Z	.519	.519	0	%100
77	M82A	X	.9	.9	0	%100
78	M82A	Z	.519	.519	0	%100
79	M91B	X	3.598	3.598	0	%100
80	M91B	Z	2.077	2.077	0	%100
81	M76	X	3.419	3.419	0	%100
82	M76	Z	1.974	1.974	0	%100
83	M77	X	1.157	1.157	0	%100
84	M77	Z	.668	.668	0	%100
85	M84	X	3.419	3.419	0	%100
86	M84	Z	1.974	1.974	0	%100
87	M85	X	4.628	4.628	0	%100
88	M85	Z	2.672	2.672	0	%100
89	M63	X	3.419	3.419	0	%100
90	M63	Z	1.974	1.974	0	%100
91	M64	X	4.628	4.628	0	%100
92	M64	Z	2.672	2.672	0	%100
93	M68	X	3.419	3.419	0	%100
94	M68	Z	1.974	1.974	0	%100
95	M69	X	1.157	1.157	0	%100
96	M69	Z	.668	.668	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
99	M88A	X	1.157	1.157	0	%100
100	M88A	Z	.668	.668	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	1.157	1.157	0	%100
104	M93	Z	.668	.668	0	%100
105	M46	X	1.159	1.159	0	%100
106	M46	Z	.669	.669	0	%100
107	M80	X	1.208	1.208	0	%100
108	M80	Z	.697	.697	0	%100
109	M91	X	4.831	4.831	0	%100
110	M91	Z	2.789	2.789	0	%100
111	M55	X	1.159	1.159	0	%100
112	M55	Z	.669	.669	0	%100
113	M66	X	4.831	4.831	0	%100
114	M66	Z	2.789	2.789	0	%100
115	M71	X	1.208	1.208	0	%100
116	M71	Z	.697	.697	0	%100
117	M79A	X	4.636	4.636	0	%100
118	M79A	Z	2.676	2.676	0	%100
119	M90	X	1.208	1.208	0	%100
120	M90	Z	.697	.697	0	%100
121	M95	X	1.208	1.208	0	%100
122	M95	Z	.697	.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.553	.553	0	%100
2	M4	Z	.958	.958	0	%100
3	M52A	X	2.213	2.213	0	%100
4	M52A	Z	3.833	3.833	0	%100
5	M76A	X	.553	.553	0	%100
6	M76A	Z	.958	.958	0	%100
7	M10	X	1.471	1.471	0	%100
8	M10	Z	2.548	2.548	0	%100
9	M43	X	1.471	1.471	0	%100
10	M43	Z	2.548	2.548	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	1.471	1.471	0	%100
16	M77A	Z	2.548	2.548	0	%100
17	M78	X	1.471	1.471	0	%100
18	M78	Z	2.548	2.548	0	%100
19	M100	X	1.377	1.377	0	%100
20	M100	Z	2.386	2.386	0	%100
21	MP3A	X	1.674	1.674	0	%100
22	MP3A	Z	2.899	2.899	0	%100
23	MP4A	X	1.674	1.674	0	%100
24	MP4A	Z	2.899	2.899	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	MP2A	X	1.674	1.674	0	%100
26	MP2A	Z	2.899	2.899	0	%100
27	MP1A	X	1.674	1.674	0	%100
28	MP1A	Z	2.899	2.899	0	%100
29	MP3B	X	1.674	1.674	0	%100
30	MP3B	Z	2.899	2.899	0	%100
31	MP4B	X	1.674	1.674	0	%100
32	MP4B	Z	2.899	2.899	0	%100
33	MP2B	X	1.674	1.674	0	%100
34	MP2B	Z	2.899	2.899	0	%100
35	MP1B	X	1.674	1.674	0	%100
36	MP1B	Z	2.899	2.899	0	%100
37	MP3C	X	1.674	1.674	0	%100
38	MP3C	Z	2.899	2.899	0	%100
39	MP4C	X	1.674	1.674	0	%100
40	MP4C	Z	2.899	2.899	0	%100
41	MP2C	X	1.674	1.674	0	%100
42	MP2C	Z	2.899	2.899	0	%100
43	MP1C	X	1.674	1.674	0	%100
44	MP1C	Z	2.899	2.899	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	1.393	1.393	0	%100
48	M124	Z	2.413	2.413	0	%100
49	M125	X	1.393	1.393	0	%100
50	M125	Z	2.413	2.413	0	%100
51	M102	X	1.39	1.39	0	%100
52	M102	Z	2.407	2.407	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	1.39	1.39	0	%100
56	M108	Z	2.407	2.407	0	%100
57	M126	X	1.553	1.553	0	%100
58	M126	Z	2.689	2.689	0	%100
59	M127	X	2.484	2.484	0	%100
60	M127	Z	4.303	4.303	0	%100
61	M128	X	1.553	1.553	0	%100
62	M128	Z	2.689	2.689	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	1.476	1.476	0	%100
66	M52B	Z	2.557	2.557	0	%100
67	M58A	X	1.476	1.476	0	%100
68	M58A	Z	2.557	2.557	0	%100
69	M59A	X	1.476	1.476	0	%100
70	M59A	Z	2.557	2.557	0	%100
71	M82	X	1.476	1.476	0	%100
72	M82	Z	2.557	2.557	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	1.558	1.558	0	%100
76	M1	Z	2.699	2.699	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	1.558	1.558	0	%100
80	M91B	Z	2.699	2.699	0	%100
81	M76	X	.658	.658	0	%100
82	M76	Z	1.14	1.14	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	.658	.658	0	%100
86	M84	Z	1.14	1.14	0	%100
87	M85	X	2.004	2.004	0	%100
88	M85	Z	3.471	3.471	0	%100
89	M63	X	2.632	2.632	0	%100
90	M63	Z	4.559	4.559	0	%100
91	M64	X	2.004	2.004	0	%100
92	M64	Z	3.471	3.471	0	%100
93	M68	X	2.632	2.632	0	%100
94	M68	Z	4.559	4.559	0	%100
95	M69	X	2.004	2.004	0	%100
96	M69	Z	3.471	3.471	0	%100
97	M87	X	.658	.658	0	%100
98	M87	Z	1.14	1.14	0	%100
99	M88A	X	2.004	2.004	0	%100
100	M88A	Z	3.471	3.471	0	%100
101	M92A	X	.658	.658	0	%100
102	M92A	Z	1.14	1.14	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	2.007	2.007	0	%100
106	M46	Z	3.477	3.477	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	2.092	2.092	0	%100
110	M91	Z	3.623	3.623	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	2.092	2.092	0	%100
114	M66	Z	3.623	3.623	0	%100
115	M71	X	2.092	2.092	0	%100
116	M71	Z	3.623	3.623	0	%100
117	M79A	X	2.007	2.007	0	%100
118	M79A	Z	3.477	3.477	0	%100
119	M90	X	2.092	2.092	0	%100
120	M90	Z	3.623	3.623	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
3	M52A	X	0	0	0	%100
4	M52A	Z	3.319	3.319	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	3.319	3.319	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	3.923	3.923	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.923	3.923	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	.981	.981	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	.981	.981	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	.981	.981	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	.981	.981	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	2.755	2.755	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	3.348	3.348	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	3.348	3.348	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	3.348	3.348	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	3.348	3.348	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	3.348	3.348	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	3.348	3.348	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	3.348	3.348	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	3.348	3.348	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	3.348	3.348	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	3.348	3.348	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	3.348	3.348	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	3.348	3.348	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	.929	.929	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	3.715	3.715	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	.929	.929	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	3.706	3.706	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	.927	.927	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
55	M108	X	0	0	0	%100
56	M108	Z	.927	.927	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	2.484	2.484	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	4.347	4.347	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	4.347	4.347	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	.984	.984	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	.984	.984	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	.984	.984	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	3.937	3.937	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	3.937	3.937	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	.984	.984	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	4.155	4.155	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	1.039	1.039	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	1.039	1.039	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	1.336	1.336	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	1.336	1.336	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	3.948	3.948	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	1.336	1.336	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	3.948	3.948	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	5.344	5.344	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	3.948	3.948	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	5.344	5.344	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	3.948	3.948	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	1.336	1.336	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	5.353	5.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
107	M80	X	0	0	0	%100
108	M80	Z	1.394	1.394	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	1.394	1.394	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	1.338	1.338	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	1.394	1.394	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	5.578	5.578	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	1.338	1.338	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	5.578	5.578	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	1.394	1.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.553	-.553	0	%100
2	M4	Z	.958	.958	0	%100
3	M52A	X	-.553	-.553	0	%100
4	M52A	Z	.958	.958	0	%100
5	M76A	X	-2.213	-2.213	0	%100
6	M76A	Z	3.833	3.833	0	%100
7	M10	X	-1.471	-1.471	0	%100
8	M10	Z	2.548	2.548	0	%100
9	M43	X	-1.471	-1.471	0	%100
10	M43	Z	2.548	2.548	0	%100
11	M53	X	-1.471	-1.471	0	%100
12	M53	Z	2.548	2.548	0	%100
13	M54	X	-1.471	-1.471	0	%100
14	M54	Z	2.548	2.548	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-1.377	-1.377	0	%100
20	M100	Z	2.386	2.386	0	%100
21	MP3A	X	-1.674	-1.674	0	%100
22	MP3A	Z	2.899	2.899	0	%100
23	MP4A	X	-1.674	-1.674	0	%100
24	MP4A	Z	2.899	2.899	0	%100
25	MP2A	X	-1.674	-1.674	0	%100
26	MP2A	Z	2.899	2.899	0	%100
27	MP1A	X	-1.674	-1.674	0	%100
28	MP1A	Z	2.899	2.899	0	%100
29	MP3B	X	-1.674	-1.674	0	%100
30	MP3B	Z	2.899	2.899	0	%100
31	MP4B	X	-1.674	-1.674	0	%100
32	MP4B	Z	2.899	2.899	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	-1.674	-1.674	0	%100
34	MP2B	Z	2.899	2.899	0	%100
35	MP1B	X	-1.674	-1.674	0	%100
36	MP1B	Z	2.899	2.899	0	%100
37	MP3C	X	-1.674	-1.674	0	%100
38	MP3C	Z	2.899	2.899	0	%100
39	MP4C	X	-1.674	-1.674	0	%100
40	MP4C	Z	2.899	2.899	0	%100
41	MP2C	X	-1.674	-1.674	0	%100
42	MP2C	Z	2.899	2.899	0	%100
43	MP1C	X	-1.674	-1.674	0	%100
44	MP1C	Z	2.899	2.899	0	%100
45	M123	X	-1.393	-1.393	0	%100
46	M123	Z	2.413	2.413	0	%100
47	M124	X	-1.393	-1.393	0	%100
48	M124	Z	2.413	2.413	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	-1.39	-1.39	0	%100
52	M102	Z	2.407	2.407	0	%100
53	M107	X	-1.39	-1.39	0	%100
54	M107	Z	2.407	2.407	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-1.553	-1.553	0	%100
58	M126	Z	2.689	2.689	0	%100
59	M127	X	-1.553	-1.553	0	%100
60	M127	Z	2.689	2.689	0	%100
61	M128	X	-2.484	-2.484	0	%100
62	M128	Z	4.303	4.303	0	%100
63	M51B	X	-1.476	-1.476	0	%100
64	M51B	Z	2.557	2.557	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	-1.476	-1.476	0	%100
70	M59A	Z	2.557	2.557	0	%100
71	M82	X	-1.476	-1.476	0	%100
72	M82	Z	2.557	2.557	0	%100
73	M83A	X	-1.476	-1.476	0	%100
74	M83A	Z	2.557	2.557	0	%100
75	M1	X	-1.558	-1.558	0	%100
76	M1	Z	2.699	2.699	0	%100
77	M82A	X	-1.558	-1.558	0	%100
78	M82A	Z	2.699	2.699	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-.658	-.658	0	%100
82	M76	Z	1.14	1.14	0	%100
83	M77	X	-2.004	-2.004	0	%100
84	M77	Z	3.471	3.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
85	M84	X	-.658	-.658	0	%100
86	M84	Z	1.14	1.14	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-.658	-.658	0	%100
90	M63	Z	1.14	1.14	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	-.658	-.658	0	%100
94	M68	Z	1.14	1.14	0	%100
95	M69	X	-2.004	-2.004	0	%100
96	M69	Z	3.471	3.471	0	%100
97	M87	X	-2.632	-2.632	0	%100
98	M87	Z	4.559	4.559	0	%100
99	M88A	X	-2.004	-2.004	0	%100
100	M88A	Z	3.471	3.471	0	%100
101	M92A	X	-2.632	-2.632	0	%100
102	M92A	Z	4.559	4.559	0	%100
103	M93	X	-2.004	-2.004	0	%100
104	M93	Z	3.471	3.471	0	%100
105	M46	X	-2.007	-2.007	0	%100
106	M46	Z	3.477	3.477	0	%100
107	M80	X	-2.092	-2.092	0	%100
108	M80	Z	3.623	3.623	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-2.007	-2.007	0	%100
112	M55	Z	3.477	3.477	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	-2.092	-2.092	0	%100
116	M71	Z	3.623	3.623	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	-2.092	-2.092	0	%100
120	M90	Z	3.623	3.623	0	%100
121	M95	X	-2.092	-2.092	0	%100
122	M95	Z	3.623	3.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.875	-2.875	0	%100
2	M4	Z	1.66	1.66	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-2.875	-2.875	0	%100
6	M76A	Z	1.66	1.66	0	%100
7	M10	X	-.849	-.849	0	%100
8	M10	Z	.49	.49	0	%100
9	M43	X	-.849	-.849	0	%100
10	M43	Z	.49	.49	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
11	M53	X	-3.397	-3.397	0	%100
12	M53	Z	1.961	1.961	0	%100
13	M54	X	-3.397	-3.397	0	%100
14	M54	Z	1.961	1.961	0	%100
15	M77A	X	-.849	-.849	0	%100
16	M77A	Z	.49	.49	0	%100
17	M78	X	-.849	-.849	0	%100
18	M78	Z	.49	.49	0	%100
19	M100	X	-2.386	-2.386	0	%100
20	M100	Z	1.377	1.377	0	%100
21	MP3A	X	-2.899	-2.899	0	%100
22	MP3A	Z	1.674	1.674	0	%100
23	MP4A	X	-2.899	-2.899	0	%100
24	MP4A	Z	1.674	1.674	0	%100
25	MP2A	X	-2.899	-2.899	0	%100
26	MP2A	Z	1.674	1.674	0	%100
27	MP1A	X	-2.899	-2.899	0	%100
28	MP1A	Z	1.674	1.674	0	%100
29	MP3B	X	-2.899	-2.899	0	%100
30	MP3B	Z	1.674	1.674	0	%100
31	MP4B	X	-2.899	-2.899	0	%100
32	MP4B	Z	1.674	1.674	0	%100
33	MP2B	X	-2.899	-2.899	0	%100
34	MP2B	Z	1.674	1.674	0	%100
35	MP1B	X	-2.899	-2.899	0	%100
36	MP1B	Z	1.674	1.674	0	%100
37	MP3C	X	-2.899	-2.899	0	%100
38	MP3C	Z	1.674	1.674	0	%100
39	MP4C	X	-2.899	-2.899	0	%100
40	MP4C	Z	1.674	1.674	0	%100
41	MP2C	X	-2.899	-2.899	0	%100
42	MP2C	Z	1.674	1.674	0	%100
43	MP1C	X	-2.899	-2.899	0	%100
44	MP1C	Z	1.674	1.674	0	%100
45	M123	X	-3.217	-3.217	0	%100
46	M123	Z	1.858	1.858	0	%100
47	M124	X	-.804	-.804	0	%100
48	M124	Z	.464	.464	0	%100
49	M125	X	-.804	-.804	0	%100
50	M125	Z	.464	.464	0	%100
51	M102	X	-.802	-.802	0	%100
52	M102	Z	.463	.463	0	%100
53	M107	X	-3.21	-3.21	0	%100
54	M107	Z	1.853	1.853	0	%100
55	M108	X	-.802	-.802	0	%100
56	M108	Z	.463	.463	0	%100
57	M126	X	-3.765	-3.765	0	%100
58	M126	Z	2.174	2.174	0	%100
59	M127	X	-2.151	-2.151	0	%100
60	M127	Z	1.242	1.242	0	%100
61	M128	X	-3.765	-3.765	0	%100
62	M128	Z	2.174	2.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
63	M51B	X	-3.41	-3.41	0	%100
64	M51B	Z	1.969	1.969	0	%100
65	M52B	X	-.852	-.852	0	%100
66	M52B	Z	.492	.492	0	%100
67	M58A	X	-.852	-.852	0	%100
68	M58A	Z	.492	.492	0	%100
69	M59A	X	-.852	-.852	0	%100
70	M59A	Z	.492	.492	0	%100
71	M82	X	-.852	-.852	0	%100
72	M82	Z	.492	.492	0	%100
73	M83A	X	-3.41	-3.41	0	%100
74	M83A	Z	1.969	1.969	0	%100
75	M1	X	-.9	-.9	0	%100
76	M1	Z	.519	.519	0	%100
77	M82A	X	-3.598	-3.598	0	%100
78	M82A	Z	2.077	2.077	0	%100
79	M91B	X	-.9	-.9	0	%100
80	M91B	Z	.519	.519	0	%100
81	M76	X	-3.419	-3.419	0	%100
82	M76	Z	1.974	1.974	0	%100
83	M77	X	-4.628	-4.628	0	%100
84	M77	Z	2.672	2.672	0	%100
85	M84	X	-3.419	-3.419	0	%100
86	M84	Z	1.974	1.974	0	%100
87	M85	X	-1.157	-1.157	0	%100
88	M85	Z	.668	.668	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-1.157	-1.157	0	%100
92	M64	Z	.668	.668	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	-1.157	-1.157	0	%100
96	M69	Z	.668	.668	0	%100
97	M87	X	-3.419	-3.419	0	%100
98	M87	Z	1.974	1.974	0	%100
99	M88A	X	-1.157	-1.157	0	%100
100	M88A	Z	.668	.668	0	%100
101	M92A	X	-3.419	-3.419	0	%100
102	M92A	Z	1.974	1.974	0	%100
103	M93	X	-4.628	-4.628	0	%100
104	M93	Z	2.672	2.672	0	%100
105	M46	X	-1.159	-1.159	0	%100
106	M46	Z	.669	.669	0	%100
107	M80	X	-4.831	-4.831	0	%100
108	M80	Z	2.789	2.789	0	%100
109	M91	X	-1.208	-1.208	0	%100
110	M91	Z	.697	.697	0	%100
111	M55	X	-4.636	-4.636	0	%100
112	M55	Z	2.676	2.676	0	%100
113	M66	X	-1.208	-1.208	0	%100
114	M66	Z	.697	.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
115	M71	X	-1.208	-1.208	0	%100
116	M71	Z	.697	.697	0	%100
117	M79A	X	-1.159	-1.159	0	%100
118	M79A	Z	.669	.669	0	%100
119	M90	X	-1.208	-1.208	0	%100
120	M90	Z	.697	.697	0	%100
121	M95	X	-4.831	-4.831	0	%100
122	M95	Z	2.789	2.789	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-4.426	-4.426	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-1.106	-1.106	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-1.106	-1.106	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-2.942	-2.942	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-2.942	-2.942	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-2.942	-2.942	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-2.942	-2.942	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-2.755	-2.755	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	-3.348	-3.348	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-3.348	-3.348	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	-3.348	-3.348	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-3.348	-3.348	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	-3.348	-3.348	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	-3.348	-3.348	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	-3.348	-3.348	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-3.348	-3.348	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	-3.348	-3.348	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	-3.348	-3.348	0	%100
40	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
41	MP2C	X	-3.348	-3.348	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-3.348	-3.348	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	-2.786	-2.786	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	-2.786	-2.786	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	-2.78	-2.78	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-2.78	-2.78	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-4.969	-4.969	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	-3.105	-3.105	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	-3.105	-3.105	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	-2.953	-2.953	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-2.953	-2.953	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	-2.953	-2.953	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-2.953	-2.953	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	-3.116	-3.116	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-3.116	-3.116	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-5.264	-5.264	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	-4.008	-4.008	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-5.264	-5.264	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-4.008	-4.008	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-1.316	-1.316	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-4.008	-4.008	0	%100
92	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
93	M68	X	-1.316	-1.316	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	-1.316	-1.316	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	-1.316	-1.316	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-4.008	-4.008	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	-4.183	-4.183	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-4.183	-4.183	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-4.015	-4.015	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-4.183	-4.183	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	-4.015	-4.015	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100
121	M95	X	-4.183	-4.183	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.875	-2.875	0	%100
2	M4	Z	-1.66	-1.66	0	%100
3	M52A	X	-2.875	-2.875	0	%100
4	M52A	Z	-1.66	-1.66	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-.849	-.849	0	%100
8	M10	Z	-.49	-.49	0	%100
9	M43	X	-.849	-.849	0	%100
10	M43	Z	-.49	-.49	0	%100
11	M53	X	-.849	-.849	0	%100
12	M53	Z	-.49	-.49	0	%100
13	M54	X	-.849	-.849	0	%100
14	M54	Z	-.49	-.49	0	%100
15	M77A	X	-3.397	-3.397	0	%100
16	M77A	Z	-1.961	-1.961	0	%100
17	M78	X	-3.397	-3.397	0	%100
18	M78	Z	-1.961	-1.961	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M100	X	-2.386	-2.386	0	%100
20	M100	Z	-1.377	-1.377	0	%100
21	MP3A	X	-2.899	-2.899	0	%100
22	MP3A	Z	-1.674	-1.674	0	%100
23	MP4A	X	-2.899	-2.899	0	%100
24	MP4A	Z	-1.674	-1.674	0	%100
25	MP2A	X	-2.899	-2.899	0	%100
26	MP2A	Z	-1.674	-1.674	0	%100
27	MP1A	X	-2.899	-2.899	0	%100
28	MP1A	Z	-1.674	-1.674	0	%100
29	MP3B	X	-2.899	-2.899	0	%100
30	MP3B	Z	-1.674	-1.674	0	%100
31	MP4B	X	-2.899	-2.899	0	%100
32	MP4B	Z	-1.674	-1.674	0	%100
33	MP2B	X	-2.899	-2.899	0	%100
34	MP2B	Z	-1.674	-1.674	0	%100
35	MP1B	X	-2.899	-2.899	0	%100
36	MP1B	Z	-1.674	-1.674	0	%100
37	MP3C	X	-2.899	-2.899	0	%100
38	MP3C	Z	-1.674	-1.674	0	%100
39	MP4C	X	-2.899	-2.899	0	%100
40	MP4C	Z	-1.674	-1.674	0	%100
41	MP2C	X	-2.899	-2.899	0	%100
42	MP2C	Z	-1.674	-1.674	0	%100
43	MP1C	X	-2.899	-2.899	0	%100
44	MP1C	Z	-1.674	-1.674	0	%100
45	M123	X	-.804	-.804	0	%100
46	M123	Z	-.464	-.464	0	%100
47	M124	X	-.804	-.804	0	%100
48	M124	Z	-.464	-.464	0	%100
49	M125	X	-3.217	-3.217	0	%100
50	M125	Z	-1.858	-1.858	0	%100
51	M102	X	-.802	-.802	0	%100
52	M102	Z	-.463	-.463	0	%100
53	M107	X	-.802	-.802	0	%100
54	M107	Z	-.463	-.463	0	%100
55	M108	X	-3.21	-3.21	0	%100
56	M108	Z	-1.853	-1.853	0	%100
57	M126	X	-3.765	-3.765	0	%100
58	M126	Z	-2.174	-2.174	0	%100
59	M127	X	-3.765	-3.765	0	%100
60	M127	Z	-2.174	-2.174	0	%100
61	M128	X	-2.151	-2.151	0	%100
62	M128	Z	-1.242	-1.242	0	%100
63	M51B	X	-.852	-.852	0	%100
64	M51B	Z	-.492	-.492	0	%100
65	M52B	X	-3.41	-3.41	0	%100
66	M52B	Z	-1.969	-1.969	0	%100
67	M58A	X	-3.41	-3.41	0	%100
68	M58A	Z	-1.969	-1.969	0	%100
69	M59A	X	-.852	-.852	0	%100
70	M59A	Z	-.492	-.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
71	M82	X	-.852	-.852	0	%100
72	M82	Z	-.492	-.492	0	%100
73	M83A	X	-.852	-.852	0	%100
74	M83A	Z	-.492	-.492	0	%100
75	M1	X	-.9	-.9	0	%100
76	M1	Z	-.519	-.519	0	%100
77	M82A	X	-.9	-.9	0	%100
78	M82A	Z	-.519	-.519	0	%100
79	M91B	X	-3.598	-3.598	0	%100
80	M91B	Z	-2.077	-2.077	0	%100
81	M76	X	-3.419	-3.419	0	%100
82	M76	Z	-1.974	-1.974	0	%100
83	M77	X	-1.157	-1.157	0	%100
84	M77	Z	-.668	-.668	0	%100
85	M84	X	-3.419	-3.419	0	%100
86	M84	Z	-1.974	-1.974	0	%100
87	M85	X	-4.628	-4.628	0	%100
88	M85	Z	-2.672	-2.672	0	%100
89	M63	X	-3.419	-3.419	0	%100
90	M63	Z	-1.974	-1.974	0	%100
91	M64	X	-4.628	-4.628	0	%100
92	M64	Z	-2.672	-2.672	0	%100
93	M68	X	-3.419	-3.419	0	%100
94	M68	Z	-1.974	-1.974	0	%100
95	M69	X	-1.157	-1.157	0	%100
96	M69	Z	-.668	-.668	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	-1.157	-1.157	0	%100
100	M88A	Z	-.668	-.668	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-1.157	-1.157	0	%100
104	M93	Z	-.668	-.668	0	%100
105	M46	X	-1.159	-1.159	0	%100
106	M46	Z	-.669	-.669	0	%100
107	M80	X	-1.208	-1.208	0	%100
108	M80	Z	-.697	-.697	0	%100
109	M91	X	-4.831	-4.831	0	%100
110	M91	Z	-2.789	-2.789	0	%100
111	M55	X	-1.159	-1.159	0	%100
112	M55	Z	-.669	-.669	0	%100
113	M66	X	-4.831	-4.831	0	%100
114	M66	Z	-2.789	-2.789	0	%100
115	M71	X	-1.208	-1.208	0	%100
116	M71	Z	-.697	-.697	0	%100
117	M79A	X	-4.636	-4.636	0	%100
118	M79A	Z	-2.676	-2.676	0	%100
119	M90	X	-1.208	-1.208	0	%100
120	M90	Z	-.697	-.697	0	%100
121	M95	X	-1.208	-1.208	0	%100
122	M95	Z	-.697	-.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.553	-.553	0	%100
2	M4	Z	-.958	-.958	0	%100
3	M52A	X	-2.213	-2.213	0	%100
4	M52A	Z	-3.833	-3.833	0	%100
5	M76A	X	-.553	-.553	0	%100
6	M76A	Z	-.958	-.958	0	%100
7	M10	X	-1.471	-1.471	0	%100
8	M10	Z	-2.548	-2.548	0	%100
9	M43	X	-1.471	-1.471	0	%100
10	M43	Z	-2.548	-2.548	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-1.471	-1.471	0	%100
16	M77A	Z	-2.548	-2.548	0	%100
17	M78	X	-1.471	-1.471	0	%100
18	M78	Z	-2.548	-2.548	0	%100
19	M100	X	-1.377	-1.377	0	%100
20	M100	Z	-2.386	-2.386	0	%100
21	MP3A	X	-1.674	-1.674	0	%100
22	MP3A	Z	-2.899	-2.899	0	%100
23	MP4A	X	-1.674	-1.674	0	%100
24	MP4A	Z	-2.899	-2.899	0	%100
25	MP2A	X	-1.674	-1.674	0	%100
26	MP2A	Z	-2.899	-2.899	0	%100
27	MP1A	X	-1.674	-1.674	0	%100
28	MP1A	Z	-2.899	-2.899	0	%100
29	MP3B	X	-1.674	-1.674	0	%100
30	MP3B	Z	-2.899	-2.899	0	%100
31	MP4B	X	-1.674	-1.674	0	%100
32	MP4B	Z	-2.899	-2.899	0	%100
33	MP2B	X	-1.674	-1.674	0	%100
34	MP2B	Z	-2.899	-2.899	0	%100
35	MP1B	X	-1.674	-1.674	0	%100
36	MP1B	Z	-2.899	-2.899	0	%100
37	MP3C	X	-1.674	-1.674	0	%100
38	MP3C	Z	-2.899	-2.899	0	%100
39	MP4C	X	-1.674	-1.674	0	%100
40	MP4C	Z	-2.899	-2.899	0	%100
41	MP2C	X	-1.674	-1.674	0	%100
42	MP2C	Z	-2.899	-2.899	0	%100
43	MP1C	X	-1.674	-1.674	0	%100
44	MP1C	Z	-2.899	-2.899	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	-1.393	-1.393	0	%100
48	M124	Z	-2.413	-2.413	0	%100
49	M125	X	-1.393	-1.393	0	%100
50	M125	Z	-2.413	-2.413	0	%100
51	M102	X	-1.39	-1.39	0	%100
52	M102	Z	-2.407	-2.407	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-1.39	-1.39	0	%100
56	M108	Z	-2.407	-2.407	0	%100
57	M126	X	-1.553	-1.553	0	%100
58	M126	Z	-2.689	-2.689	0	%100
59	M127	X	-2.484	-2.484	0	%100
60	M127	Z	-4.303	-4.303	0	%100
61	M128	X	-1.553	-1.553	0	%100
62	M128	Z	-2.689	-2.689	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-1.476	-1.476	0	%100
66	M52B	Z	-2.557	-2.557	0	%100
67	M58A	X	-1.476	-1.476	0	%100
68	M58A	Z	-2.557	-2.557	0	%100
69	M59A	X	-1.476	-1.476	0	%100
70	M59A	Z	-2.557	-2.557	0	%100
71	M82	X	-1.476	-1.476	0	%100
72	M82	Z	-2.557	-2.557	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	-1.558	-1.558	0	%100
76	M1	Z	-2.699	-2.699	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-1.558	-1.558	0	%100
80	M91B	Z	-2.699	-2.699	0	%100
81	M76	X	-.658	-.658	0	%100
82	M76	Z	-1.14	-1.14	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-.658	-.658	0	%100
86	M84	Z	-1.14	-1.14	0	%100
87	M85	X	-2.004	-2.004	0	%100
88	M85	Z	-3.471	-3.471	0	%100
89	M63	X	-2.632	-2.632	0	%100
90	M63	Z	-4.559	-4.559	0	%100
91	M64	X	-2.004	-2.004	0	%100
92	M64	Z	-3.471	-3.471	0	%100
93	M68	X	-2.632	-2.632	0	%100
94	M68	Z	-4.559	-4.559	0	%100
95	M69	X	-2.004	-2.004	0	%100
96	M69	Z	-3.471	-3.471	0	%100
97	M87	X	-.658	-.658	0	%100
98	M87	Z	-1.14	-1.14	0	%100
99	M88A	X	-2.004	-2.004	0	%100
100	M88A	Z	-3.471	-3.471	0	%100
101	M92A	X	-.658	-.658	0	%100
102	M92A	Z	-1.14	-1.14	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
105	M46	X	-2.007	-2.007	0	%100
106	M46	Z	-3.477	-3.477	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-2.092	-2.092	0	%100
110	M91	Z	-3.623	-3.623	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-2.092	-2.092	0	%100
114	M66	Z	-3.623	-3.623	0	%100
115	M71	X	-2.092	-2.092	0	%100
116	M71	Z	-3.623	-3.623	0	%100
117	M79A	X	-2.007	-2.007	0	%100
118	M79A	Z	-3.477	-3.477	0	%100
119	M90	X	-2.092	-2.092	0	%100
120	M90	Z	-3.623	-3.623	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	-.751	-.751	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	-.751	-.751	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-.958	-.958	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.958	-.958	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	-.24	-.24	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	-.24	-.24	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	-.24	-.24	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-.24	-.24	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	-.502	-.502	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-.614	-.614	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-.614	-.614	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-.614	-.614	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-.614	-.614	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	-.614	-.614	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-.614	-.614	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-.614	-.614	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-.614	-.614	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	-.614	-.614	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	-.614	-.614	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-.614	-.614	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-.614	-.614	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	-.228	-.228	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	-.913	-.913	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	-.228	-.228	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	-.743	-.743	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	-.186	-.186	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	-.186	-.186	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	-.694	-.694	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	-1.071	-1.071	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	-1.071	-1.071	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	-.215	-.215	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	-.215	-.215	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	-.215	-.215	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	-.861	-.861	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	-.861	-.861	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-.215	-.215	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	-.902	-.902	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	-.226	-.226	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	-.226	-.226	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
83	M77	X	0	0	0	%100
84	M77	Z	-.395	-.395	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	-.395	-.395	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-1.163	-1.163	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-.395	-.395	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	-1.163	-1.163	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	-1.579	-1.579	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	-1.163	-1.163	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	-1.579	-1.579	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	-1.163	-1.163	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	-.395	-.395	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	-1.55	-1.55	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	-.416	-.416	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	-.416	-.416	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	-.388	-.388	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	-.416	-.416	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	-1.663	-1.663	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	-.388	-.388	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	-1.663	-1.663	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	-.416	-.416	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.125	.125	0	%100
2	M4	Z	-.217	-.217	0	%100
3	M52A	X	.125	.125	0	%100
4	M52A	Z	-.217	-.217	0	%100
5	M76A	X	.501	.501	0	%100
6	M76A	Z	-.868	-.868	0	%100
7	M10	X	.359	.359	0	%100
8	M10	Z	-.622	-.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
9	M43	X	.359	.359	0	%100
10	M43	Z	-.622	-.622	0	%100
11	M53	X	.359	.359	0	%100
12	M53	Z	-.622	-.622	0	%100
13	M54	X	.359	.359	0	%100
14	M54	Z	-.622	-.622	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	.251	.251	0	%100
20	M100	Z	-.435	-.435	0	%100
21	MP3A	X	.307	.307	0	%100
22	MP3A	Z	-.531	-.531	0	%100
23	MP4A	X	.307	.307	0	%100
24	MP4A	Z	-.531	-.531	0	%100
25	MP2A	X	.307	.307	0	%100
26	MP2A	Z	-.531	-.531	0	%100
27	MP1A	X	.307	.307	0	%100
28	MP1A	Z	-.531	-.531	0	%100
29	MP3B	X	.307	.307	0	%100
30	MP3B	Z	-.531	-.531	0	%100
31	MP4B	X	.307	.307	0	%100
32	MP4B	Z	-.531	-.531	0	%100
33	MP2B	X	.307	.307	0	%100
34	MP2B	Z	-.531	-.531	0	%100
35	MP1B	X	.307	.307	0	%100
36	MP1B	Z	-.531	-.531	0	%100
37	MP3C	X	.307	.307	0	%100
38	MP3C	Z	-.531	-.531	0	%100
39	MP4C	X	.307	.307	0	%100
40	MP4C	Z	-.531	-.531	0	%100
41	MP2C	X	.307	.307	0	%100
42	MP2C	Z	-.531	-.531	0	%100
43	MP1C	X	.307	.307	0	%100
44	MP1C	Z	-.531	-.531	0	%100
45	M123	X	.342	.342	0	%100
46	M123	Z	-.593	-.593	0	%100
47	M124	X	.342	.342	0	%100
48	M124	Z	-.593	-.593	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	.279	.279	0	%100
52	M102	Z	-.482	-.482	0	%100
53	M107	X	.279	.279	0	%100
54	M107	Z	-.482	-.482	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	.41	.41	0	%100
58	M126	Z	-.71	-.71	0	%100
59	M127	X	.41	.41	0	%100
60	M127	Z	-.71	-.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	M128	X	.599	.599	0	%100
62	M128	Z	-1.037	-1.037	0	%100
63	M51B	X	.323	.323	0	%100
64	M51B	Z	-.559	-.559	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	.323	.323	0	%100
70	M59A	Z	-.559	-.559	0	%100
71	M82	X	.323	.323	0	%100
72	M82	Z	-.559	-.559	0	%100
73	M83A	X	.323	.323	0	%100
74	M83A	Z	-.559	-.559	0	%100
75	M1	X	.338	.338	0	%100
76	M1	Z	-.586	-.586	0	%100
77	M82A	X	.338	.338	0	%100
78	M82A	Z	-.586	-.586	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	.194	.194	0	%100
82	M76	Z	-.336	-.336	0	%100
83	M77	X	.592	.592	0	%100
84	M77	Z	-1.026	-1.026	0	%100
85	M84	X	.194	.194	0	%100
86	M84	Z	-.336	-.336	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	.194	.194	0	%100
90	M63	Z	-.336	-.336	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	.194	.194	0	%100
94	M68	Z	-.336	-.336	0	%100
95	M69	X	.592	.592	0	%100
96	M69	Z	-1.026	-1.026	0	%100
97	M87	X	.775	.775	0	%100
98	M87	Z	-1.342	-1.342	0	%100
99	M88A	X	.592	.592	0	%100
100	M88A	Z	-1.026	-1.026	0	%100
101	M92A	X	.775	.775	0	%100
102	M92A	Z	-1.342	-1.342	0	%100
103	M93	X	.592	.592	0	%100
104	M93	Z	-1.026	-1.026	0	%100
105	M46	X	.581	.581	0	%100
106	M46	Z	-1.007	-1.007	0	%100
107	M80	X	.624	.624	0	%100
108	M80	Z	-1.08	-1.08	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	.581	.581	0	%100
112	M55	Z	-1.007	-1.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	.624	.624	0	%100
116	M71	Z	-1.08	-1.08	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	.624	.624	0	%100
120	M90	Z	-1.08	-1.08	0	%100
121	M95	X	.624	.624	0	%100
122	M95	Z	-1.08	-1.08	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.651	.651	0	%100
2	M4	Z	-.376	-.376	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	.651	.651	0	%100
6	M76A	Z	-.376	-.376	0	%100
7	M10	X	.207	.207	0	%100
8	M10	Z	-.12	-.12	0	%100
9	M43	X	.207	.207	0	%100
10	M43	Z	-.12	-.12	0	%100
11	M53	X	.83	.83	0	%100
12	M53	Z	-.479	-.479	0	%100
13	M54	X	.83	.83	0	%100
14	M54	Z	-.479	-.479	0	%100
15	M77A	X	.207	.207	0	%100
16	M77A	Z	-.12	-.12	0	%100
17	M78	X	.207	.207	0	%100
18	M78	Z	-.12	-.12	0	%100
19	M100	X	.435	.435	0	%100
20	M100	Z	-.251	-.251	0	%100
21	MP3A	X	.531	.531	0	%100
22	MP3A	Z	-.307	-.307	0	%100
23	MP4A	X	.531	.531	0	%100
24	MP4A	Z	-.307	-.307	0	%100
25	MP2A	X	.531	.531	0	%100
26	MP2A	Z	-.307	-.307	0	%100
27	MP1A	X	.531	.531	0	%100
28	MP1A	Z	-.307	-.307	0	%100
29	MP3B	X	.531	.531	0	%100
30	MP3B	Z	-.307	-.307	0	%100
31	MP4B	X	.531	.531	0	%100
32	MP4B	Z	-.307	-.307	0	%100
33	MP2B	X	.531	.531	0	%100
34	MP2B	Z	-.307	-.307	0	%100
35	MP1B	X	.531	.531	0	%100
36	MP1B	Z	-.307	-.307	0	%100
37	MP3C	X	.531	.531	0	%100
38	MP3C	Z	-.307	-.307	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
39	MP4C	X	.531	.531	0	%100
40	MP4C	Z	-.307	-.307	0	%100
41	MP2C	X	.531	.531	0	%100
42	MP2C	Z	-.307	-.307	0	%100
43	MP1C	X	.531	.531	0	%100
44	MP1C	Z	-.307	-.307	0	%100
45	M123	X	.791	.791	0	%100
46	M123	Z	-.457	-.457	0	%100
47	M124	X	.198	.198	0	%100
48	M124	Z	-.114	-.114	0	%100
49	M125	X	.198	.198	0	%100
50	M125	Z	-.114	-.114	0	%100
51	M102	X	.161	.161	0	%100
52	M102	Z	-.093	-.093	0	%100
53	M107	X	.643	.643	0	%100
54	M107	Z	-.371	-.371	0	%100
55	M108	X	.161	.161	0	%100
56	M108	Z	-.093	-.093	0	%100
57	M126	X	.928	.928	0	%100
58	M126	Z	-.536	-.536	0	%100
59	M127	X	.601	.601	0	%100
60	M127	Z	-.347	-.347	0	%100
61	M128	X	.928	.928	0	%100
62	M128	Z	-.536	-.536	0	%100
63	M51B	X	.745	.745	0	%100
64	M51B	Z	-.43	-.43	0	%100
65	M52B	X	.186	.186	0	%100
66	M52B	Z	-.108	-.108	0	%100
67	M58A	X	.186	.186	0	%100
68	M58A	Z	-.108	-.108	0	%100
69	M59A	X	.186	.186	0	%100
70	M59A	Z	-.108	-.108	0	%100
71	M82	X	.186	.186	0	%100
72	M82	Z	-.108	-.108	0	%100
73	M83A	X	.745	.745	0	%100
74	M83A	Z	-.43	-.43	0	%100
75	M1	X	.195	.195	0	%100
76	M1	Z	-.113	-.113	0	%100
77	M82A	X	.781	.781	0	%100
78	M82A	Z	-.451	-.451	0	%100
79	M91B	X	.195	.195	0	%100
80	M91B	Z	-.113	-.113	0	%100
81	M76	X	1.007	1.007	0	%100
82	M76	Z	-.581	-.581	0	%100
83	M77	X	1.367	1.367	0	%100
84	M77	Z	-.789	-.789	0	%100
85	M84	X	1.007	1.007	0	%100
86	M84	Z	-.581	-.581	0	%100
87	M85	X	.342	.342	0	%100
88	M85	Z	-.197	-.197	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
91	M64	X	.342	.342	0	%100
92	M64	Z	-.197	-.197	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	.342	.342	0	%100
96	M69	Z	-.197	-.197	0	%100
97	M87	X	1.007	1.007	0	%100
98	M87	Z	-.581	-.581	0	%100
99	M88A	X	.342	.342	0	%100
100	M88A	Z	-.197	-.197	0	%100
101	M92A	X	1.007	1.007	0	%100
102	M92A	Z	-.581	-.581	0	%100
103	M93	X	1.367	1.367	0	%100
104	M93	Z	-.789	-.789	0	%100
105	M46	X	.336	.336	0	%100
106	M46	Z	-.194	-.194	0	%100
107	M80	X	1.44	1.44	0	%100
108	M80	Z	-.831	-.831	0	%100
109	M91	X	.36	.36	0	%100
110	M91	Z	-.208	-.208	0	%100
111	M55	X	1.342	1.342	0	%100
112	M55	Z	-.775	-.775	0	%100
113	M66	X	.36	.36	0	%100
114	M66	Z	-.208	-.208	0	%100
115	M71	X	.36	.36	0	%100
116	M71	Z	-.208	-.208	0	%100
117	M79A	X	.336	.336	0	%100
118	M79A	Z	-.194	-.194	0	%100
119	M90	X	.36	.36	0	%100
120	M90	Z	-.208	-.208	0	%100
121	M95	X	1.44	1.44	0	%100
122	M95	Z	-.831	-.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.002	1.002	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	.25	.25	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	.25	.25	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	.719	.719	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	.719	.719	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	.719	.719	0	%100
16	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
17	M78	X	.719	.719	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	.502	.502	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	.614	.614	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	.614	.614	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	.614	.614	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	.614	.614	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	.614	.614	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	.614	.614	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	.614	.614	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	.614	.614	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	.614	.614	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	.614	.614	0	%100
40	MP4C	Z	0	0	0	%100
41	MP2C	X	.614	.614	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	.614	.614	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	.685	.685	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	.685	.685	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	.557	.557	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	.557	.557	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	1.197	1.197	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	.819	.819	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	.819	.819	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	.646	.646	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	.646	.646	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	.646	.646	0	%100
68	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	.646	.646	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	.677	.677	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	.677	.677	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	1.55	1.55	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	1.184	1.184	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	1.55	1.55	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	1.184	1.184	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	.388	.388	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	1.184	1.184	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	.388	.388	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	.388	.388	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	.388	.388	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	1.184	1.184	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	1.247	1.247	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	1.247	1.247	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	1.163	1.163	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	1.247	1.247	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	1.163	1.163	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
121	M95	X	1.247	1.247	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.651	.651	0	%100
2	M4	Z	.376	.376	0	%100
3	M52A	X	.651	.651	0	%100
4	M52A	Z	.376	.376	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	.207	.207	0	%100
8	M10	Z	.12	.12	0	%100
9	M43	X	.207	.207	0	%100
10	M43	Z	.12	.12	0	%100
11	M53	X	.207	.207	0	%100
12	M53	Z	.12	.12	0	%100
13	M54	X	.207	.207	0	%100
14	M54	Z	.12	.12	0	%100
15	M77A	X	.83	.83	0	%100
16	M77A	Z	.479	.479	0	%100
17	M78	X	.83	.83	0	%100
18	M78	Z	.479	.479	0	%100
19	M100	X	.435	.435	0	%100
20	M100	Z	.251	.251	0	%100
21	MP3A	X	.531	.531	0	%100
22	MP3A	Z	.307	.307	0	%100
23	MP4A	X	.531	.531	0	%100
24	MP4A	Z	.307	.307	0	%100
25	MP2A	X	.531	.531	0	%100
26	MP2A	Z	.307	.307	0	%100
27	MP1A	X	.531	.531	0	%100
28	MP1A	Z	.307	.307	0	%100
29	MP3B	X	.531	.531	0	%100
30	MP3B	Z	.307	.307	0	%100
31	MP4B	X	.531	.531	0	%100
32	MP4B	Z	.307	.307	0	%100
33	MP2B	X	.531	.531	0	%100
34	MP2B	Z	.307	.307	0	%100
35	MP1B	X	.531	.531	0	%100
36	MP1B	Z	.307	.307	0	%100
37	MP3C	X	.531	.531	0	%100
38	MP3C	Z	.307	.307	0	%100
39	MP4C	X	.531	.531	0	%100
40	MP4C	Z	.307	.307	0	%100
41	MP2C	X	.531	.531	0	%100
42	MP2C	Z	.307	.307	0	%100
43	MP1C	X	.531	.531	0	%100
44	MP1C	Z	.307	.307	0	%100
45	M123	X	.198	.198	0	%100
46	M123	Z	.114	.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
47	M124	X	.198	.198	0	%100
48	M124	Z	.114	.114	0	%100
49	M125	X	.791	.791	0	%100
50	M125	Z	.457	.457	0	%100
51	M102	X	.161	.161	0	%100
52	M102	Z	.093	.093	0	%100
53	M107	X	.161	.161	0	%100
54	M107	Z	.093	.093	0	%100
55	M108	X	.643	.643	0	%100
56	M108	Z	.371	.371	0	%100
57	M126	X	.928	.928	0	%100
58	M126	Z	.536	.536	0	%100
59	M127	X	.928	.928	0	%100
60	M127	Z	.536	.536	0	%100
61	M128	X	.601	.601	0	%100
62	M128	Z	.347	.347	0	%100
63	M51B	X	.186	.186	0	%100
64	M51B	Z	.108	.108	0	%100
65	M52B	X	.745	.745	0	%100
66	M52B	Z	.43	.43	0	%100
67	M58A	X	.745	.745	0	%100
68	M58A	Z	.43	.43	0	%100
69	M59A	X	.186	.186	0	%100
70	M59A	Z	.108	.108	0	%100
71	M82	X	.186	.186	0	%100
72	M82	Z	.108	.108	0	%100
73	M83A	X	.186	.186	0	%100
74	M83A	Z	.108	.108	0	%100
75	M1	X	.195	.195	0	%100
76	M1	Z	.113	.113	0	%100
77	M82A	X	.195	.195	0	%100
78	M82A	Z	.113	.113	0	%100
79	M91B	X	.781	.781	0	%100
80	M91B	Z	.451	.451	0	%100
81	M76	X	1.007	1.007	0	%100
82	M76	Z	.581	.581	0	%100
83	M77	X	.342	.342	0	%100
84	M77	Z	.197	.197	0	%100
85	M84	X	1.007	1.007	0	%100
86	M84	Z	.581	.581	0	%100
87	M85	X	1.367	1.367	0	%100
88	M85	Z	.789	.789	0	%100
89	M63	X	1.007	1.007	0	%100
90	M63	Z	.581	.581	0	%100
91	M64	X	1.367	1.367	0	%100
92	M64	Z	.789	.789	0	%100
93	M68	X	1.007	1.007	0	%100
94	M68	Z	.581	.581	0	%100
95	M69	X	.342	.342	0	%100
96	M69	Z	.197	.197	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
99	M88A	X	.342	.342	0	%100
100	M88A	Z	.197	.197	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	.342	.342	0	%100
104	M93	Z	.197	.197	0	%100
105	M46	X	.336	.336	0	%100
106	M46	Z	.194	.194	0	%100
107	M80	X	.36	.36	0	%100
108	M80	Z	.208	.208	0	%100
109	M91	X	1.44	1.44	0	%100
110	M91	Z	.831	.831	0	%100
111	M55	X	.336	.336	0	%100
112	M55	Z	.194	.194	0	%100
113	M66	X	1.44	1.44	0	%100
114	M66	Z	.831	.831	0	%100
115	M71	X	.36	.36	0	%100
116	M71	Z	.208	.208	0	%100
117	M79A	X	1.342	1.342	0	%100
118	M79A	Z	.775	.775	0	%100
119	M90	X	.36	.36	0	%100
120	M90	Z	.208	.208	0	%100
121	M95	X	.36	.36	0	%100
122	M95	Z	.208	.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.125	.125	0	%100
2	M4	Z	.217	.217	0	%100
3	M52A	X	.501	.501	0	%100
4	M52A	Z	.868	.868	0	%100
5	M76A	X	.125	.125	0	%100
6	M76A	Z	.217	.217	0	%100
7	M10	X	.359	.359	0	%100
8	M10	Z	.622	.622	0	%100
9	M43	X	.359	.359	0	%100
10	M43	Z	.622	.622	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	.359	.359	0	%100
16	M77A	Z	.622	.622	0	%100
17	M78	X	.359	.359	0	%100
18	M78	Z	.622	.622	0	%100
19	M100	X	.251	.251	0	%100
20	M100	Z	.435	.435	0	%100
21	MP3A	X	.307	.307	0	%100
22	MP3A	Z	.531	.531	0	%100
23	MP4A	X	.307	.307	0	%100
24	MP4A	Z	.531	.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	MP2A	X	.307	.307	0	%100
26	MP2A	Z	.531	.531	0	%100
27	MP1A	X	.307	.307	0	%100
28	MP1A	Z	.531	.531	0	%100
29	MP3B	X	.307	.307	0	%100
30	MP3B	Z	.531	.531	0	%100
31	MP4B	X	.307	.307	0	%100
32	MP4B	Z	.531	.531	0	%100
33	MP2B	X	.307	.307	0	%100
34	MP2B	Z	.531	.531	0	%100
35	MP1B	X	.307	.307	0	%100
36	MP1B	Z	.531	.531	0	%100
37	MP3C	X	.307	.307	0	%100
38	MP3C	Z	.531	.531	0	%100
39	MP4C	X	.307	.307	0	%100
40	MP4C	Z	.531	.531	0	%100
41	MP2C	X	.307	.307	0	%100
42	MP2C	Z	.531	.531	0	%100
43	MP1C	X	.307	.307	0	%100
44	MP1C	Z	.531	.531	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	.342	.342	0	%100
48	M124	Z	.593	.593	0	%100
49	M125	X	.342	.342	0	%100
50	M125	Z	.593	.593	0	%100
51	M102	X	.279	.279	0	%100
52	M102	Z	.482	.482	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	.279	.279	0	%100
56	M108	Z	.482	.482	0	%100
57	M126	X	.41	.41	0	%100
58	M126	Z	.71	.71	0	%100
59	M127	X	.599	.599	0	%100
60	M127	Z	1.037	1.037	0	%100
61	M128	X	.41	.41	0	%100
62	M128	Z	.71	.71	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	.323	.323	0	%100
66	M52B	Z	.559	.559	0	%100
67	M58A	X	.323	.323	0	%100
68	M58A	Z	.559	.559	0	%100
69	M59A	X	.323	.323	0	%100
70	M59A	Z	.559	.559	0	%100
71	M82	X	.323	.323	0	%100
72	M82	Z	.559	.559	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	.338	.338	0	%100
76	M1	Z	.586	.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	.338	.338	0	%100
80	M91B	Z	.586	.586	0	%100
81	M76	X	.194	.194	0	%100
82	M76	Z	.336	.336	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	.194	.194	0	%100
86	M84	Z	.336	.336	0	%100
87	M85	X	.592	.592	0	%100
88	M85	Z	1.026	1.026	0	%100
89	M63	X	.775	.775	0	%100
90	M63	Z	1.342	1.342	0	%100
91	M64	X	.592	.592	0	%100
92	M64	Z	1.026	1.026	0	%100
93	M68	X	.775	.775	0	%100
94	M68	Z	1.342	1.342	0	%100
95	M69	X	.592	.592	0	%100
96	M69	Z	1.026	1.026	0	%100
97	M87	X	.194	.194	0	%100
98	M87	Z	.336	.336	0	%100
99	M88A	X	.592	.592	0	%100
100	M88A	Z	1.026	1.026	0	%100
101	M92A	X	.194	.194	0	%100
102	M92A	Z	.336	.336	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	.581	.581	0	%100
106	M46	Z	1.007	1.007	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	.624	.624	0	%100
110	M91	Z	1.08	1.08	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	.624	.624	0	%100
114	M66	Z	1.08	1.08	0	%100
115	M71	X	.624	.624	0	%100
116	M71	Z	1.08	1.08	0	%100
117	M79A	X	.581	.581	0	%100
118	M79A	Z	1.007	1.007	0	%100
119	M90	X	.624	.624	0	%100
120	M90	Z	1.08	1.08	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
3	M52A	X	0	0	0	%100
4	M52A	Z	.751	.751	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	.751	.751	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	.958	.958	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.958	.958	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	.24	.24	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	.24	.24	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	.24	.24	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	.24	.24	0	%100
19	M100	X	0	0	0	%100
20	M100	Z	.502	.502	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	.614	.614	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	.614	.614	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	.614	.614	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	.614	.614	0	%100
29	MP3B	X	0	0	0	%100
30	MP3B	Z	.614	.614	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	.614	.614	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	.614	.614	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	.614	.614	0	%100
37	MP3C	X	0	0	0	%100
38	MP3C	Z	.614	.614	0	%100
39	MP4C	X	0	0	0	%100
40	MP4C	Z	.614	.614	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	.614	.614	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	.614	.614	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	.228	.228	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	.913	.913	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	.228	.228	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	.743	.743	0	%100
53	M107	X	0	0	0	%100
54	M107	Z	.186	.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
55	M108	X	0	0	0	%100
56	M108	Z	.186	.186	0	%100
57	M126	X	0	0	0	%100
58	M126	Z	.694	.694	0	%100
59	M127	X	0	0	0	%100
60	M127	Z	1.071	1.071	0	%100
61	M128	X	0	0	0	%100
62	M128	Z	1.071	1.071	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	.215	.215	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	.215	.215	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	.215	.215	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	.861	.861	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	.861	.861	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	.215	.215	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	.902	.902	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	.226	.226	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	.226	.226	0	%100
81	M76	X	0	0	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	.395	.395	0	%100
85	M84	X	0	0	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	.395	.395	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	1.163	1.163	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	.395	.395	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	1.163	1.163	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	1.579	1.579	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	1.163	1.163	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	1.579	1.579	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	1.163	1.163	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	.395	.395	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	1.55	1.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
107	M80	X	0	0	0	%100
108	M80	Z	.416	.416	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	.416	.416	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	.388	.388	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	.416	.416	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	1.663	1.663	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	.388	.388	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	1.663	1.663	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	.416	.416	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.125	-.125	0	%100
2	M4	Z	.217	.217	0	%100
3	M52A	X	-.125	-.125	0	%100
4	M52A	Z	.217	.217	0	%100
5	M76A	X	-.501	-.501	0	%100
6	M76A	Z	.868	.868	0	%100
7	M10	X	-.359	-.359	0	%100
8	M10	Z	.622	.622	0	%100
9	M43	X	-.359	-.359	0	%100
10	M43	Z	.622	.622	0	%100
11	M53	X	-.359	-.359	0	%100
12	M53	Z	.622	.622	0	%100
13	M54	X	-.359	-.359	0	%100
14	M54	Z	.622	.622	0	%100
15	M77A	X	0	0	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-.251	-.251	0	%100
20	M100	Z	.435	.435	0	%100
21	MP3A	X	-.307	-.307	0	%100
22	MP3A	Z	.531	.531	0	%100
23	MP4A	X	-.307	-.307	0	%100
24	MP4A	Z	.531	.531	0	%100
25	MP2A	X	-.307	-.307	0	%100
26	MP2A	Z	.531	.531	0	%100
27	MP1A	X	-.307	-.307	0	%100
28	MP1A	Z	.531	.531	0	%100
29	MP3B	X	-.307	-.307	0	%100
30	MP3B	Z	.531	.531	0	%100
31	MP4B	X	-.307	-.307	0	%100
32	MP4B	Z	.531	.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	-.307	-.307	0	%100
34	MP2B	Z	.531	.531	0	%100
35	MP1B	X	-.307	-.307	0	%100
36	MP1B	Z	.531	.531	0	%100
37	MP3C	X	-.307	-.307	0	%100
38	MP3C	Z	.531	.531	0	%100
39	MP4C	X	-.307	-.307	0	%100
40	MP4C	Z	.531	.531	0	%100
41	MP2C	X	-.307	-.307	0	%100
42	MP2C	Z	.531	.531	0	%100
43	MP1C	X	-.307	-.307	0	%100
44	MP1C	Z	.531	.531	0	%100
45	M123	X	-.342	-.342	0	%100
46	M123	Z	.593	.593	0	%100
47	M124	X	-.342	-.342	0	%100
48	M124	Z	.593	.593	0	%100
49	M125	X	0	0	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	-.279	-.279	0	%100
52	M102	Z	.482	.482	0	%100
53	M107	X	-.279	-.279	0	%100
54	M107	Z	.482	.482	0	%100
55	M108	X	0	0	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-.41	-.41	0	%100
58	M126	Z	.71	.71	0	%100
59	M127	X	-.41	-.41	0	%100
60	M127	Z	.71	.71	0	%100
61	M128	X	-.599	-.599	0	%100
62	M128	Z	1.037	1.037	0	%100
63	M51B	X	-.323	-.323	0	%100
64	M51B	Z	.559	.559	0	%100
65	M52B	X	0	0	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	0	0	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	-.323	-.323	0	%100
70	M59A	Z	.559	.559	0	%100
71	M82	X	-.323	-.323	0	%100
72	M82	Z	.559	.559	0	%100
73	M83A	X	-.323	-.323	0	%100
74	M83A	Z	.559	.559	0	%100
75	M1	X	-.338	-.338	0	%100
76	M1	Z	.586	.586	0	%100
77	M82A	X	-.338	-.338	0	%100
78	M82A	Z	.586	.586	0	%100
79	M91B	X	0	0	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-.194	-.194	0	%100
82	M76	Z	.336	.336	0	%100
83	M77	X	-.592	-.592	0	%100
84	M77	Z	1.026	1.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
85	M84	X	-.194	-.194	0	%100
86	M84	Z	.336	.336	0	%100
87	M85	X	0	0	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-.194	-.194	0	%100
90	M63	Z	.336	.336	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	0	0	0	%100
93	M68	X	-.194	-.194	0	%100
94	M68	Z	.336	.336	0	%100
95	M69	X	-.592	-.592	0	%100
96	M69	Z	1.026	1.026	0	%100
97	M87	X	-.775	-.775	0	%100
98	M87	Z	1.342	1.342	0	%100
99	M88A	X	-.592	-.592	0	%100
100	M88A	Z	1.026	1.026	0	%100
101	M92A	X	-.775	-.775	0	%100
102	M92A	Z	1.342	1.342	0	%100
103	M93	X	-.592	-.592	0	%100
104	M93	Z	1.026	1.026	0	%100
105	M46	X	-.581	-.581	0	%100
106	M46	Z	1.007	1.007	0	%100
107	M80	X	-.624	-.624	0	%100
108	M80	Z	1.08	1.08	0	%100
109	M91	X	0	0	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-.581	-.581	0	%100
112	M55	Z	1.007	1.007	0	%100
113	M66	X	0	0	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	-.624	-.624	0	%100
116	M71	Z	1.08	1.08	0	%100
117	M79A	X	0	0	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	-.624	-.624	0	%100
120	M90	Z	1.08	1.08	0	%100
121	M95	X	-.624	-.624	0	%100
122	M95	Z	1.08	1.08	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.651	-.651	0	%100
2	M4	Z	.376	.376	0	%100
3	M52A	X	0	0	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-.651	-.651	0	%100
6	M76A	Z	.376	.376	0	%100
7	M10	X	-.207	-.207	0	%100
8	M10	Z	.12	.12	0	%100
9	M43	X	-.207	-.207	0	%100
10	M43	Z	.12	.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
11	M53	X	-.83	-.83	0	%100
12	M53	Z	.479	.479	0	%100
13	M54	X	-.83	-.83	0	%100
14	M54	Z	.479	.479	0	%100
15	M77A	X	-.207	-.207	0	%100
16	M77A	Z	.12	.12	0	%100
17	M78	X	-.207	-.207	0	%100
18	M78	Z	.12	.12	0	%100
19	M100	X	-.435	-.435	0	%100
20	M100	Z	.251	.251	0	%100
21	MP3A	X	-.531	-.531	0	%100
22	MP3A	Z	.307	.307	0	%100
23	MP4A	X	-.531	-.531	0	%100
24	MP4A	Z	.307	.307	0	%100
25	MP2A	X	-.531	-.531	0	%100
26	MP2A	Z	.307	.307	0	%100
27	MP1A	X	-.531	-.531	0	%100
28	MP1A	Z	.307	.307	0	%100
29	MP3B	X	-.531	-.531	0	%100
30	MP3B	Z	.307	.307	0	%100
31	MP4B	X	-.531	-.531	0	%100
32	MP4B	Z	.307	.307	0	%100
33	MP2B	X	-.531	-.531	0	%100
34	MP2B	Z	.307	.307	0	%100
35	MP1B	X	-.531	-.531	0	%100
36	MP1B	Z	.307	.307	0	%100
37	MP3C	X	-.531	-.531	0	%100
38	MP3C	Z	.307	.307	0	%100
39	MP4C	X	-.531	-.531	0	%100
40	MP4C	Z	.307	.307	0	%100
41	MP2C	X	-.531	-.531	0	%100
42	MP2C	Z	.307	.307	0	%100
43	MP1C	X	-.531	-.531	0	%100
44	MP1C	Z	.307	.307	0	%100
45	M123	X	-.791	-.791	0	%100
46	M123	Z	.457	.457	0	%100
47	M124	X	-.198	-.198	0	%100
48	M124	Z	.114	.114	0	%100
49	M125	X	-.198	-.198	0	%100
50	M125	Z	.114	.114	0	%100
51	M102	X	-.161	-.161	0	%100
52	M102	Z	.093	.093	0	%100
53	M107	X	-.643	-.643	0	%100
54	M107	Z	.371	.371	0	%100
55	M108	X	-.161	-.161	0	%100
56	M108	Z	.093	.093	0	%100
57	M126	X	-.928	-.928	0	%100
58	M126	Z	.536	.536	0	%100
59	M127	X	-.601	-.601	0	%100
60	M127	Z	.347	.347	0	%100
61	M128	X	-.928	-.928	0	%100
62	M128	Z	.536	.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
63	M51B	X	-.745	-.745	0	%100
64	M51B	Z	.43	.43	0	%100
65	M52B	X	-.186	-.186	0	%100
66	M52B	Z	.108	.108	0	%100
67	M58A	X	-.186	-.186	0	%100
68	M58A	Z	.108	.108	0	%100
69	M59A	X	-.186	-.186	0	%100
70	M59A	Z	.108	.108	0	%100
71	M82	X	-.186	-.186	0	%100
72	M82	Z	.108	.108	0	%100
73	M83A	X	-.745	-.745	0	%100
74	M83A	Z	.43	.43	0	%100
75	M1	X	-.195	-.195	0	%100
76	M1	Z	.113	.113	0	%100
77	M82A	X	-.781	-.781	0	%100
78	M82A	Z	.451	.451	0	%100
79	M91B	X	-.195	-.195	0	%100
80	M91B	Z	.113	.113	0	%100
81	M76	X	-1.007	-1.007	0	%100
82	M76	Z	.581	.581	0	%100
83	M77	X	-1.367	-1.367	0	%100
84	M77	Z	.789	.789	0	%100
85	M84	X	-1.007	-1.007	0	%100
86	M84	Z	.581	.581	0	%100
87	M85	X	-.342	-.342	0	%100
88	M85	Z	.197	.197	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-.342	-.342	0	%100
92	M64	Z	.197	.197	0	%100
93	M68	X	0	0	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	-.342	-.342	0	%100
96	M69	Z	.197	.197	0	%100
97	M87	X	-1.007	-1.007	0	%100
98	M87	Z	.581	.581	0	%100
99	M88A	X	-.342	-.342	0	%100
100	M88A	Z	.197	.197	0	%100
101	M92A	X	-1.007	-1.007	0	%100
102	M92A	Z	.581	.581	0	%100
103	M93	X	-1.367	-1.367	0	%100
104	M93	Z	.789	.789	0	%100
105	M46	X	-.336	-.336	0	%100
106	M46	Z	.194	.194	0	%100
107	M80	X	-1.44	-1.44	0	%100
108	M80	Z	.831	.831	0	%100
109	M91	X	-.36	-.36	0	%100
110	M91	Z	.208	.208	0	%100
111	M55	X	-1.342	-1.342	0	%100
112	M55	Z	.775	.775	0	%100
113	M66	X	-.36	-.36	0	%100
114	M66	Z	.208	.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
115	M71	X	-.36	-.36	0	%100
116	M71	Z	.208	.208	0	%100
117	M79A	X	-.336	-.336	0	%100
118	M79A	Z	.194	.194	0	%100
119	M90	X	-.36	-.36	0	%100
120	M90	Z	.208	.208	0	%100
121	M95	X	-1.44	-1.44	0	%100
122	M95	Z	.831	.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-1.002	-1.002	0	%100
2	M4	Z	0	0	0	%100
3	M52A	X	-.25	-.25	0	%100
4	M52A	Z	0	0	0	%100
5	M76A	X	-.25	-.25	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M53	X	-.719	-.719	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	-.719	-.719	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-.719	-.719	0	%100
16	M77A	Z	0	0	0	%100
17	M78	X	-.719	-.719	0	%100
18	M78	Z	0	0	0	%100
19	M100	X	-.502	-.502	0	%100
20	M100	Z	0	0	0	%100
21	MP3A	X	-.614	-.614	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-.614	-.614	0	%100
24	MP4A	Z	0	0	0	%100
25	MP2A	X	-.614	-.614	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-.614	-.614	0	%100
28	MP1A	Z	0	0	0	%100
29	MP3B	X	-.614	-.614	0	%100
30	MP3B	Z	0	0	0	%100
31	MP4B	X	-.614	-.614	0	%100
32	MP4B	Z	0	0	0	%100
33	MP2B	X	-.614	-.614	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-.614	-.614	0	%100
36	MP1B	Z	0	0	0	%100
37	MP3C	X	-.614	-.614	0	%100
38	MP3C	Z	0	0	0	%100
39	MP4C	X	-.614	-.614	0	%100
40	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
41	MP2C	X	-.614	-.614	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-.614	-.614	0	%100
44	MP1C	Z	0	0	0	%100
45	M123	X	-.685	-.685	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	0	0	0	%100
48	M124	Z	0	0	0	%100
49	M125	X	-.685	-.685	0	%100
50	M125	Z	0	0	0	%100
51	M102	X	0	0	0	%100
52	M102	Z	0	0	0	%100
53	M107	X	-.557	-.557	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-.557	-.557	0	%100
56	M108	Z	0	0	0	%100
57	M126	X	-1.197	-1.197	0	%100
58	M126	Z	0	0	0	%100
59	M127	X	-.819	-.819	0	%100
60	M127	Z	0	0	0	%100
61	M128	X	-.819	-.819	0	%100
62	M128	Z	0	0	0	%100
63	M51B	X	-.646	-.646	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-.646	-.646	0	%100
66	M52B	Z	0	0	0	%100
67	M58A	X	-.646	-.646	0	%100
68	M58A	Z	0	0	0	%100
69	M59A	X	0	0	0	%100
70	M59A	Z	0	0	0	%100
71	M82	X	0	0	0	%100
72	M82	Z	0	0	0	%100
73	M83A	X	-.646	-.646	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	0	0	0	%100
76	M1	Z	0	0	0	%100
77	M82A	X	-.677	-.677	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-.677	-.677	0	%100
80	M91B	Z	0	0	0	%100
81	M76	X	-1.55	-1.55	0	%100
82	M76	Z	0	0	0	%100
83	M77	X	-1.184	-1.184	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-1.55	-1.55	0	%100
86	M84	Z	0	0	0	%100
87	M85	X	-1.184	-1.184	0	%100
88	M85	Z	0	0	0	%100
89	M63	X	-.388	-.388	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-1.184	-1.184	0	%100
92	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
93	M68	X	-.388	-.388	0	%100
94	M68	Z	0	0	0	%100
95	M69	X	0	0	0	%100
96	M69	Z	0	0	0	%100
97	M87	X	-.388	-.388	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	0	0	0	%100
100	M88A	Z	0	0	0	%100
101	M92A	X	-.388	-.388	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-1.184	-1.184	0	%100
104	M93	Z	0	0	0	%100
105	M46	X	0	0	0	%100
106	M46	Z	0	0	0	%100
107	M80	X	-1.247	-1.247	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-1.247	-1.247	0	%100
110	M91	Z	0	0	0	%100
111	M55	X	-1.163	-1.163	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-1.247	-1.247	0	%100
114	M66	Z	0	0	0	%100
115	M71	X	0	0	0	%100
116	M71	Z	0	0	0	%100
117	M79A	X	-1.163	-1.163	0	%100
118	M79A	Z	0	0	0	%100
119	M90	X	0	0	0	%100
120	M90	Z	0	0	0	%100
121	M95	X	-1.247	-1.247	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.651	-.651	0	%100
2	M4	Z	-.376	-.376	0	%100
3	M52A	X	-.651	-.651	0	%100
4	M52A	Z	-.376	-.376	0	%100
5	M76A	X	0	0	0	%100
6	M76A	Z	0	0	0	%100
7	M10	X	-.207	-.207	0	%100
8	M10	Z	-.12	-.12	0	%100
9	M43	X	-.207	-.207	0	%100
10	M43	Z	-.12	-.12	0	%100
11	M53	X	-.207	-.207	0	%100
12	M53	Z	-.12	-.12	0	%100
13	M54	X	-.207	-.207	0	%100
14	M54	Z	-.12	-.12	0	%100
15	M77A	X	-.83	-.83	0	%100
16	M77A	Z	-.479	-.479	0	%100
17	M78	X	-.83	-.83	0	%100
18	M78	Z	-.479	-.479	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M100	X	-.435	-.435	0	%100
20	M100	Z	-.251	-.251	0	%100
21	MP3A	X	-.531	-.531	0	%100
22	MP3A	Z	-.307	-.307	0	%100
23	MP4A	X	-.531	-.531	0	%100
24	MP4A	Z	-.307	-.307	0	%100
25	MP2A	X	-.531	-.531	0	%100
26	MP2A	Z	-.307	-.307	0	%100
27	MP1A	X	-.531	-.531	0	%100
28	MP1A	Z	-.307	-.307	0	%100
29	MP3B	X	-.531	-.531	0	%100
30	MP3B	Z	-.307	-.307	0	%100
31	MP4B	X	-.531	-.531	0	%100
32	MP4B	Z	-.307	-.307	0	%100
33	MP2B	X	-.531	-.531	0	%100
34	MP2B	Z	-.307	-.307	0	%100
35	MP1B	X	-.531	-.531	0	%100
36	MP1B	Z	-.307	-.307	0	%100
37	MP3C	X	-.531	-.531	0	%100
38	MP3C	Z	-.307	-.307	0	%100
39	MP4C	X	-.531	-.531	0	%100
40	MP4C	Z	-.307	-.307	0	%100
41	MP2C	X	-.531	-.531	0	%100
42	MP2C	Z	-.307	-.307	0	%100
43	MP1C	X	-.531	-.531	0	%100
44	MP1C	Z	-.307	-.307	0	%100
45	M123	X	-.198	-.198	0	%100
46	M123	Z	-.114	-.114	0	%100
47	M124	X	-.198	-.198	0	%100
48	M124	Z	-.114	-.114	0	%100
49	M125	X	-.791	-.791	0	%100
50	M125	Z	-.457	-.457	0	%100
51	M102	X	-.161	-.161	0	%100
52	M102	Z	-.093	-.093	0	%100
53	M107	X	-.161	-.161	0	%100
54	M107	Z	-.093	-.093	0	%100
55	M108	X	-.643	-.643	0	%100
56	M108	Z	-.371	-.371	0	%100
57	M126	X	-.928	-.928	0	%100
58	M126	Z	-.536	-.536	0	%100
59	M127	X	-.928	-.928	0	%100
60	M127	Z	-.536	-.536	0	%100
61	M128	X	-.601	-.601	0	%100
62	M128	Z	-.347	-.347	0	%100
63	M51B	X	-.186	-.186	0	%100
64	M51B	Z	-.108	-.108	0	%100
65	M52B	X	-.745	-.745	0	%100
66	M52B	Z	-.43	-.43	0	%100
67	M58A	X	-.745	-.745	0	%100
68	M58A	Z	-.43	-.43	0	%100
69	M59A	X	-.186	-.186	0	%100
70	M59A	Z	-.108	-.108	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
71	M82	X	-.186	-.186	0	%100
72	M82	Z	-.108	-.108	0	%100
73	M83A	X	-.186	-.186	0	%100
74	M83A	Z	-.108	-.108	0	%100
75	M1	X	-.195	-.195	0	%100
76	M1	Z	-.113	-.113	0	%100
77	M82A	X	-.195	-.195	0	%100
78	M82A	Z	-.113	-.113	0	%100
79	M91B	X	-.781	-.781	0	%100
80	M91B	Z	-.451	-.451	0	%100
81	M76	X	-1.007	-1.007	0	%100
82	M76	Z	-.581	-.581	0	%100
83	M77	X	-.342	-.342	0	%100
84	M77	Z	-.197	-.197	0	%100
85	M84	X	-1.007	-1.007	0	%100
86	M84	Z	-.581	-.581	0	%100
87	M85	X	-1.367	-1.367	0	%100
88	M85	Z	-.789	-.789	0	%100
89	M63	X	-1.007	-1.007	0	%100
90	M63	Z	-.581	-.581	0	%100
91	M64	X	-1.367	-1.367	0	%100
92	M64	Z	-.789	-.789	0	%100
93	M68	X	-1.007	-1.007	0	%100
94	M68	Z	-.581	-.581	0	%100
95	M69	X	-.342	-.342	0	%100
96	M69	Z	-.197	-.197	0	%100
97	M87	X	0	0	0	%100
98	M87	Z	0	0	0	%100
99	M88A	X	-.342	-.342	0	%100
100	M88A	Z	-.197	-.197	0	%100
101	M92A	X	0	0	0	%100
102	M92A	Z	0	0	0	%100
103	M93	X	-.342	-.342	0	%100
104	M93	Z	-.197	-.197	0	%100
105	M46	X	-.336	-.336	0	%100
106	M46	Z	-.194	-.194	0	%100
107	M80	X	-.36	-.36	0	%100
108	M80	Z	-.208	-.208	0	%100
109	M91	X	-1.44	-1.44	0	%100
110	M91	Z	-.831	-.831	0	%100
111	M55	X	-.336	-.336	0	%100
112	M55	Z	-.194	-.194	0	%100
113	M66	X	-1.44	-1.44	0	%100
114	M66	Z	-.831	-.831	0	%100
115	M71	X	-.36	-.36	0	%100
116	M71	Z	-.208	-.208	0	%100
117	M79A	X	-1.342	-1.342	0	%100
118	M79A	Z	-.775	-.775	0	%100
119	M90	X	-.36	-.36	0	%100
120	M90	Z	-.208	-.208	0	%100
121	M95	X	-.36	-.36	0	%100
122	M95	Z	-.208	-.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.125	-.125	0	%100
2	M4	Z	-.217	-.217	0	%100
3	M52A	X	-.501	-.501	0	%100
4	M52A	Z	-.868	-.868	0	%100
5	M76A	X	-.125	-.125	0	%100
6	M76A	Z	-.217	-.217	0	%100
7	M10	X	-.359	-.359	0	%100
8	M10	Z	-.622	-.622	0	%100
9	M43	X	-.359	-.359	0	%100
10	M43	Z	-.622	-.622	0	%100
11	M53	X	0	0	0	%100
12	M53	Z	0	0	0	%100
13	M54	X	0	0	0	%100
14	M54	Z	0	0	0	%100
15	M77A	X	-.359	-.359	0	%100
16	M77A	Z	-.622	-.622	0	%100
17	M78	X	-.359	-.359	0	%100
18	M78	Z	-.622	-.622	0	%100
19	M100	X	-.251	-.251	0	%100
20	M100	Z	-.435	-.435	0	%100
21	MP3A	X	-.307	-.307	0	%100
22	MP3A	Z	-.531	-.531	0	%100
23	MP4A	X	-.307	-.307	0	%100
24	MP4A	Z	-.531	-.531	0	%100
25	MP2A	X	-.307	-.307	0	%100
26	MP2A	Z	-.531	-.531	0	%100
27	MP1A	X	-.307	-.307	0	%100
28	MP1A	Z	-.531	-.531	0	%100
29	MP3B	X	-.307	-.307	0	%100
30	MP3B	Z	-.531	-.531	0	%100
31	MP4B	X	-.307	-.307	0	%100
32	MP4B	Z	-.531	-.531	0	%100
33	MP2B	X	-.307	-.307	0	%100
34	MP2B	Z	-.531	-.531	0	%100
35	MP1B	X	-.307	-.307	0	%100
36	MP1B	Z	-.531	-.531	0	%100
37	MP3C	X	-.307	-.307	0	%100
38	MP3C	Z	-.531	-.531	0	%100
39	MP4C	X	-.307	-.307	0	%100
40	MP4C	Z	-.531	-.531	0	%100
41	MP2C	X	-.307	-.307	0	%100
42	MP2C	Z	-.531	-.531	0	%100
43	MP1C	X	-.307	-.307	0	%100
44	MP1C	Z	-.531	-.531	0	%100
45	M123	X	0	0	0	%100
46	M123	Z	0	0	0	%100
47	M124	X	-.342	-.342	0	%100
48	M124	Z	-.593	-.593	0	%100
49	M125	X	-.342	-.342	0	%100
50	M125	Z	-.593	-.593	0	%100
51	M102	X	-.279	-.279	0	%100
52	M102	Z	-.482	-.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
53	M107	X	0	0	0	%100
54	M107	Z	0	0	0	%100
55	M108	X	-.279	-.279	0	%100
56	M108	Z	-.482	-.482	0	%100
57	M126	X	-.41	-.41	0	%100
58	M126	Z	-.71	-.71	0	%100
59	M127	X	-.599	-.599	0	%100
60	M127	Z	-1.037	-1.037	0	%100
61	M128	X	-.41	-.41	0	%100
62	M128	Z	-.71	-.71	0	%100
63	M51B	X	0	0	0	%100
64	M51B	Z	0	0	0	%100
65	M52B	X	-.323	-.323	0	%100
66	M52B	Z	-.559	-.559	0	%100
67	M58A	X	-.323	-.323	0	%100
68	M58A	Z	-.559	-.559	0	%100
69	M59A	X	-.323	-.323	0	%100
70	M59A	Z	-.559	-.559	0	%100
71	M82	X	-.323	-.323	0	%100
72	M82	Z	-.559	-.559	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M1	X	-.338	-.338	0	%100
76	M1	Z	-.586	-.586	0	%100
77	M82A	X	0	0	0	%100
78	M82A	Z	0	0	0	%100
79	M91B	X	-.338	-.338	0	%100
80	M91B	Z	-.586	-.586	0	%100
81	M76	X	-.194	-.194	0	%100
82	M76	Z	-.336	-.336	0	%100
83	M77	X	0	0	0	%100
84	M77	Z	0	0	0	%100
85	M84	X	-.194	-.194	0	%100
86	M84	Z	-.336	-.336	0	%100
87	M85	X	-.592	-.592	0	%100
88	M85	Z	-1.026	-1.026	0	%100
89	M63	X	-.775	-.775	0	%100
90	M63	Z	-1.342	-1.342	0	%100
91	M64	X	-.592	-.592	0	%100
92	M64	Z	-1.026	-1.026	0	%100
93	M68	X	-.775	-.775	0	%100
94	M68	Z	-1.342	-1.342	0	%100
95	M69	X	-.592	-.592	0	%100
96	M69	Z	-1.026	-1.026	0	%100
97	M87	X	-.194	-.194	0	%100
98	M87	Z	-.336	-.336	0	%100
99	M88A	X	-.592	-.592	0	%100
100	M88A	Z	-1.026	-1.026	0	%100
101	M92A	X	-.194	-.194	0	%100
102	M92A	Z	-.336	-.336	0	%100
103	M93	X	0	0	0	%100
104	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
105	M46	X	-.581	-.581	0	%100
106	M46	Z	-1.007	-1.007	0	%100
107	M80	X	0	0	0	%100
108	M80	Z	0	0	0	%100
109	M91	X	-.624	-.624	0	%100
110	M91	Z	-1.08	-1.08	0	%100
111	M55	X	0	0	0	%100
112	M55	Z	0	0	0	%100
113	M66	X	-.624	-.624	0	%100
114	M66	Z	-1.08	-1.08	0	%100
115	M71	X	-.624	-.624	0	%100
116	M71	Z	-1.08	-1.08	0	%100
117	M79A	X	-.581	-.581	0	%100
118	M79A	Z	-1.007	-1.007	0	%100
119	M90	X	-.624	-.624	0	%100
120	M90	Z	-1.08	-1.08	0	%100
121	M95	X	0	0	0	%100
122	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.597	-4.066	0	.832
2	M58A	Y	-4.066	-6.636	.832	1.665
3	M58A	Y	-6.636	-7.874	1.665	2.497
4	M58A	Y	-7.874	-6.293	2.497	3.329
5	M58A	Y	-6.293	-3.33	3.329	4.162
6	M59A	Y	-3.329	-6.32	0	.832
7	M59A	Y	-6.32	-7.943	.832	1.665
8	M59A	Y	-7.943	-6.773	1.665	2.497
9	M59A	Y	-6.773	-4.256	2.497	3.329
10	M59A	Y	-4.256	-1.812	3.329	4.162
11	M51B	Y	-1.807	-4.258	0	.832
12	M51B	Y	-4.258	-6.771	.832	1.665
13	M51B	Y	-6.771	-7.939	1.665	2.497
14	M51B	Y	-7.939	-6.325	2.497	3.329
15	M51B	Y	-6.325	-3.336	3.329	4.162
16	M52B	Y	-3.33	-6.293	0	.832
17	M52B	Y	-6.293	-7.874	.832	1.665
18	M52B	Y	-7.874	-6.634	1.665	2.497
19	M52B	Y	-6.634	-4.064	2.497	3.329
20	M52B	Y	-4.064	-1.601	3.329	4.162
21	M82	Y	-1.807	-4.258	0	.832
22	M82	Y	-4.258	-6.771	.832	1.665
23	M82	Y	-6.771	-7.939	1.665	2.497
24	M82	Y	-7.939	-6.325	2.497	3.329
25	M82	Y	-6.325	-3.336	3.329	4.162
26	M83A	Y	-3.33	-6.293	0	.832
27	M83A	Y	-6.293	-7.874	.832	1.665
28	M83A	Y	-7.874	-6.634	1.665	2.497
29	M83A	Y	-6.634	-4.064	2.497	3.329
30	M83A	Y	-4.064	-1.601	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.419	-8.701	0	.832
2	M58A	Y	-8.701	-14.202	.832	1.665
3	M58A	Y	-14.202	-16.85	1.665	2.497
4	M58A	Y	-16.85	-13.467	2.497	3.329
5	M58A	Y	-13.467	-7.126	3.329	4.162
6	M59A	Y	-7.123	-13.526	0	.832
7	M59A	Y	-13.526	-16.997	.832	1.665
8	M59A	Y	-16.997	-14.495	1.665	2.497
9	M59A	Y	-14.495	-9.108	2.497	3.329
10	M59A	Y	-9.108	-3.878	3.329	4.162
11	M51B	Y	-3.867	-9.112	0	.832
12	M51B	Y	-9.112	-14.49	.832	1.665
13	M51B	Y	-14.49	-16.989	1.665	2.497
14	M51B	Y	-16.989	-13.535	2.497	3.329
15	M51B	Y	-13.535	-7.14	3.329	4.162
16	M52B	Y	-7.125	-13.467	0	.832
17	M52B	Y	-13.467	-16.85	.832	1.665
18	M52B	Y	-16.85	-14.198	1.665	2.497
19	M52B	Y	-14.198	-8.698	2.497	3.329
20	M52B	Y	-8.698	-3.427	3.329	4.162
21	M82	Y	-3.867	-9.112	0	.832
22	M82	Y	-9.112	-14.49	.832	1.665
23	M82	Y	-14.49	-16.989	1.665	2.497
24	M82	Y	-16.989	-13.535	2.497	3.329
25	M82	Y	-13.535	-7.14	3.329	4.162
26	M83A	Y	-7.125	-13.467	0	.832
27	M83A	Y	-13.467	-16.85	.832	1.665
28	M83A	Y	-16.85	-14.198	1.665	2.497
29	M83A	Y	-14.198	-8.698	2.497	3.329
30	M83A	Y	-8.698	-3.427	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.011
2	N7	N87B	N87C	N6	Y	Two Way	-.011
3	N117	N118	N141	N139	Y	Two Way	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1511.861	10	245.29	20	4493.746	1	.129	21	2.005	4	.12	2
2		min	-1490.916	4	-46.644	2	-1945.213	7	-.04	3	-2.016	10	-.149	8
3	N87D	max	3741.995	9	109.773	4	1163.66	2	.141	9	1.547	12	.225	50

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
4		min	-1507.078	3	-107.545	50	-2451.131	8	-.39	39	-1.526	6	-.055	6
5	N115	max	1540.796	11	108.707	12	1101.292	12	.102	8	1.443	8	.131	12
6		min	-3795.982	5	-163.112	30	-2397.022	6	-.356	38	-1.424	2	-.372	30
7	N187	max	45.238	10	2250.044	13	-801.401	7	0	75	0	4	0	10
8		min	-45.091	4	577.619	7	-3065.654	13	0	1	0	10	0	4
9	N189	max	-749.017	3	2264.93	21	1543.17	21	0	6	0	48	0	48
10		min	-2672.981	21	623.037	3	432.267	3	0	48	0	6	0	6
11	N191	max	2670.108	17	2262.669	17	1541.836	17	0	8	0	8	0	8
12		min	746.863	11	621.22	11	430.923	11	0	26	0	26	0	26
13	Totals:	max	5671.556	10	6845.223	23	5811.924	1						
14		min	-5671.559	4	2186.302	69	-5811.927	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	She..	Lo.....		LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	MP2A	PIPE_...	.473	3.375	1	.119	3....		10	2086..	32130	1.872	1.872	...	H1-...
2	MP2C	PIPE_...	.469	3.375	9	.119	3....		12	2086..	32130	1.872	1.872	...	H1-...
3	MP2B	PIPE_...	.469	3.375	5	.119	3....		2	2086..	32130	1.872	1.872	...	H1-...
4	M53	L3X3X3	.373	2.375	20	.450	.223	z	3	2697..	35316	1.32	2.833	...	H2-1
5	M43	L3X3X3	.368	0	23	.444	2....	z	6	2697..	35316	1.32	2.833	...	H2-1
6	M77A	L3X3X3	.361	2.375	17	.479	.223	z	12	2697..	35316	1.32	2.833	...	H2-1
7	M54	L3X3X3	.360	0	19	.469	2....	z	2	2697..	35316	1.32	2.833	...	H2-1
8	M59A	L2x2x3	.359	0	8	.024	4....	y	2	9823..	2339...	.558	1.092	...	H2-1
9	M10	L3X3X3	.358	2.375	23	.466	.223	z	8	2697..	35316	1.32	2.833	...	H2-1
10	M78	L3X3X3	.357	0	15	.442	2....	z	10	2697..	35316	1.32	2.833	...	H2-1
11	M82	L2x2x3	.353	4.162	6	.023	0	y	12	9823..	2339...	.558	1.092	...	H2-1
12	M52B	L2x2x3	.350	0	12	.023	4....	y	7	9823..	2339...	.558	1.094	...	H2-1
13	M83A	L2x2x3	.347	0	4	.024	4....	y	11	9823..	2339...	.558	1.094	...	H2-1
14	M51B	L2x2x3	.335	4.162	2	.022	0	y	8	9823..	2339...	.558	1.092	...	H2-1
15	M58A	L2x2x3	.326	4.162	10	.022	0	y	3	9823..	2339...	.558	1.094	...	H2-1
16	MP1C	PIPE_...	.305	3.313	8	.079	2....		6	2086..	32130	1.872	1.872	...	H1-...
17	M55	PL1/2x6	.302	.516	9	.195	.516	y	18	6600..	97200	1.012	12.15	...	H1-...
18	M84	PL3/8x6	.299	0	4	.144	0	y	19	7067..	72900	.57	9.113	...	H1-...
19	MP1A	PIPE_...	.293	3.313	3	.079	3....		2	2086..	32130	1.872	1.872	...	H1-...
20	MP1B	PIPE_...	.293	3.313	11	.084	3....		10	2086..	32130	1.872	1.872	...	H1-...
21	M79A	PL1/2x6	.290	.516	5	.207	.516	y	26	6600..	97200	1.012	12.15	...	H1-...
22	M46	PL1/2x6	.281	.516	7	.203	.516	y	22	6600..	97200	1.012	12.15	...	H1-...
23	M68	PL3/8x6	.268	0	12	.141	0	y	15	7067..	72900	.57	9.113	...	H1-...
24	M76	PL3/8x6	.256	0	4	.135	0	y	21	7067..	72900	.57	9.113	...	H1-...
25	MP3B	PIPE_...	.248	3.313	6	.078	2....		4	2086..	32130	1.872	1.872	...	H1-...
26	MP3A	PIPE_...	.236	3.313	11	.076	3....		1	2086..	32130	1.872	1.872	...	H1-...
27	MP3C	PIPE_...	.235	3.313	3	.086	3....		4	2086..	32130	1.872	1.872	...	H1-...
28	M88A	PL3/8x6	.216	.167	12	.070	0	y	41	7160..	72900	.57	9.113	...	H1-...
29	M64	PL3/8x6	.213	.167	3	.064	0	y	21	7160..	72900	.57	9.113	...	H1-...
30	M77	PL3/8x6	.211	.167	8	.060	0	y	24	7160..	72900	.57	9.113	...	H1-...
31	M69	PL3/8x6	.206	.167	2	.068	0	y	41	7160..	72900	.57	9.113	...	H1-...
32	M93	PL3/8x6	.205	.167	11	.061	0	y	13	7160..	72900	.57	9.113	...	H1-...
33	M87	PL3/8x6	.199	0	8	.142	0	y	37	7067..	72900	.57	9.113	...	H1-...
34	M85	PL3/8x6	.197	.167	6	.064	0	y	21	7160..	72900	.57	9.113	...	H1-...
35	MP4B	PIPE_...	.180	3.313	6	.059	3....		8	2086..	32130	1.872	1.872	...	H1-...
36	M63	PL3/8x6	.179	0	1	.136	0	y	17	7067..	72900	.57	9.113	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	She..	Lo...	...	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
37	M92A	PL3/8x6	.175	0	2	.136	0	y	23	7067..	72900	.57	9.113	...	H1-...
38	MP4A	PIPE_...	.171	3.313	10	.058	3....		12	2086..	32130	1.872	1.872	...	H1-...
39	M4	HSS4...	.171	0	10	.057	4....	y	22	9584..	1068..	12.6...	12.6...	...	H1-...
40	MP4C	PIPE_...	.169	3.313	2	.063	3....		4	2086..	32130	1.872	1.872	...	H1-...
41	M125	L3X3X4	.149	0	7	.021	0	y	7	4323..	46656	1.688	3.756	...	H2-1
42	M124	L3X3X4	.147	1.855	4	.022	0	y	3	4323..	46656	1.688	3.756	...	H2-1
43	M1	PIPE_...	.136	6.12	48	.062	7....		7	2825..	65205	5.749	5.749	...	H1-...
44	M52A	HSS4...	.133	0	12	.060	4....	y	50	9584..	1068..	12.6...	12.6...	...	H1-...
45	M108	PIPE_...	.130	1.302	8	.066	1....		10	1455..	50715	3.596	3.596	...	H1-...
46	M123	L3X3X4	.129	1.855	12	.021	0	y	5	4323..	46656	1.688	3.756	...	H2-1
47	M107	PIPE_...	.127	1.302	12	.072	9....		10	1455..	50715	3.596	3.596	...	H1-...
48	M102	PIPE_...	.126	6.12	40	.062	1....		6	1455..	50715	3.596	3.596	...	H1-...
49	M76A	HSS4...	.125	0	8	.088	4....	y	27	9584..	1068..	12.6...	12.6...	...	H1-...
50	M91B	PIPE_...	.099	6.12	18	.059	7....		10	2825..	65205	5.749	5.749	...	H1-...
51	M82A	PIPE_...	.099	6.12	22	.043	7....		3	2825..	65205	5.749	5.749	...	H1-...
52	M100	PIPE_...	.094	2	7	.018	2		7	2884..	32130	1.872	1.872	1	H1-...
53	M66	PL1/2x6	.088	.112	9	.180	0	y	20	9675..	97200	1.012	12.15	...	H1-...
54	M95	PL1/2x6	.087	.112	11	.175	0	y	18	9675..	97200	1.012	12.15	...	H1-...
55	M90	PL1/2x6	.086	.112	5	.250	0	y	28	9675..	97200	1.012	12.15	...	H1-...
56	M71	PL1/2x6	.083	.112	3	.179	0	y	50	9675..	97200	1.012	12.15	...	H1-...
57	M91	PL1/2x6	.081	.112	7	.169	0	y	14	9675..	97200	1.012	12.15	...	H1-...
58	M127	LL3x3x...	.080	5.151	21	.004	0	z	12	4761..	70632	5.543	3.751	1	H1-...
59	M128	LL3x3x...	.080	5.151	17	.004	0	z	8	4761..	70632	5.543	3.751	1	H1-...
60	M80	PL1/2x6	.080	.112	1	.179	0	y	24	9675..	97200	1.012	12.15	...	H1-...
61	M126	LL3x3x...	.080	5.151	13	.004	5....	z	4	4761..	70632	5.543	3.751	1	H1-...

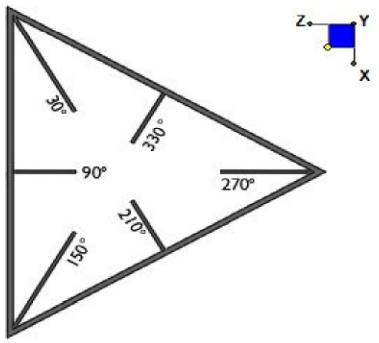
Client:	Verizon Wireless	Date:	11/22/2021
Site Name:	EASTON NORTH 2 CT		
Project No.	21777106A		
Title:	Mount Modification Analysis (REV 1)	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

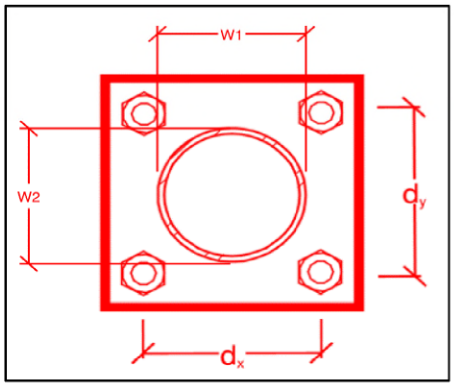
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N115	150
N3	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	no
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):	4.4
Required Shear Strength (kips):	1.5
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**5.4%***
Shear Capacity Overall:	**3.1%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	1.19
Plate Bending Capacity:	**23.3%**
Weld Capacity:	**21.5%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

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Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount 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 the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.
    - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
    - Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Certifying Individual:

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

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Response:

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

Structure: 468248-VZW - EASTON NORTH 2 CT

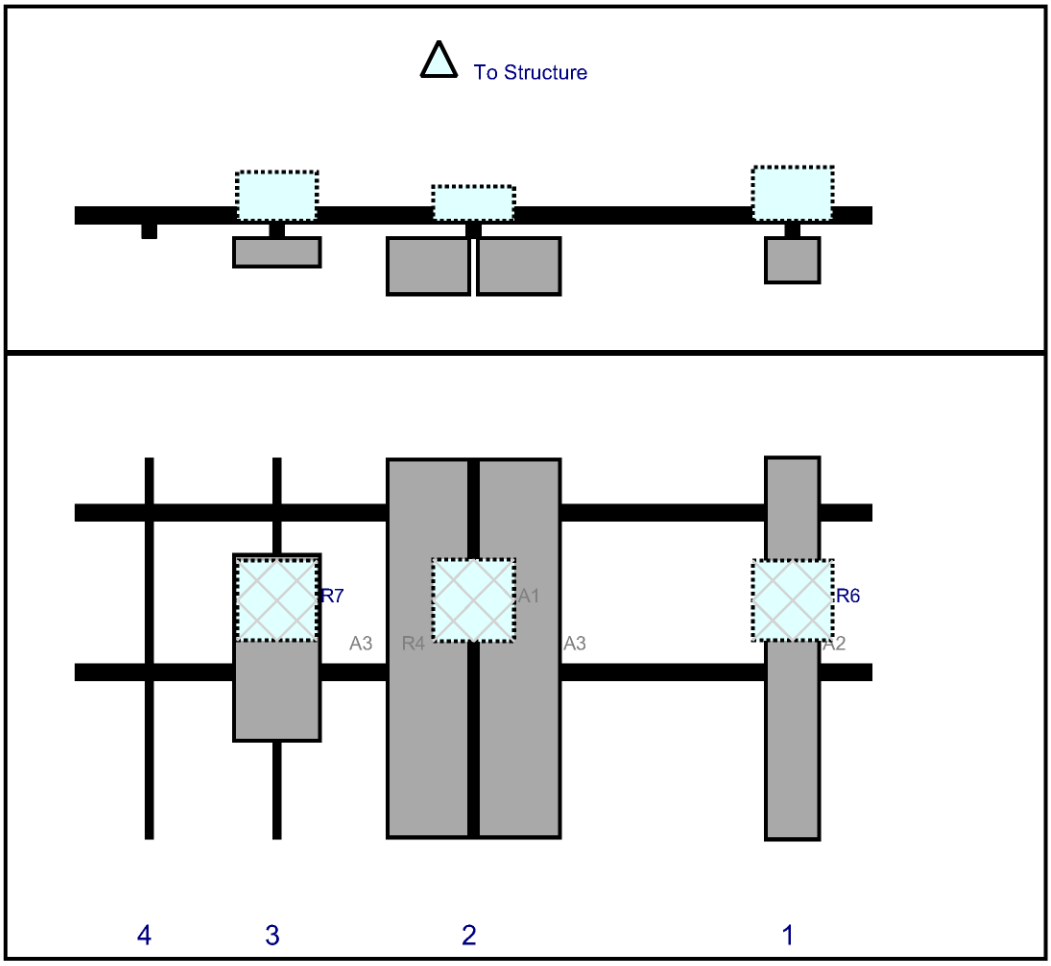
Sector: **A** 11/23/2021

Structure Type: Monopole 10117165

Mount Elev: 127.50 Page: 1

Plan View

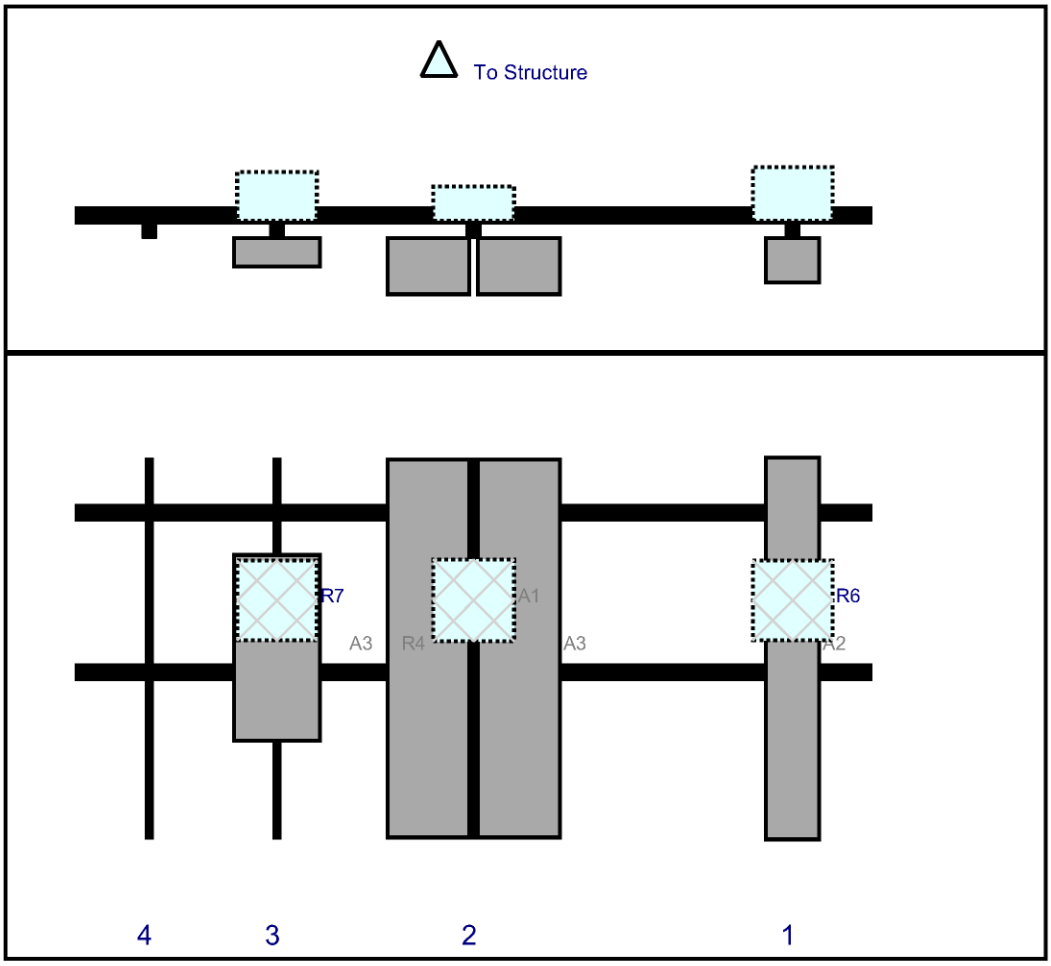
Front View
Looking at Structure



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
A2	DB846F65ZAXY	72	10	135	1	a	Front	36	0	Retained	04/20/2021
R6	RF4439d-25A	15	15	135	1	a	Behind	27	0	Added	
A3	MX06FRO660-03	71.3	15.4	75	2	a	Front	36	-8.5	Added	
A3	MX06FRO660-03	71.3	15.4	75	2	b	Front	36	8.5	Added	
A1	TD-850B-LTE78-43	15.4	15.2	75	2	a	Behind	27	0	Added	
R4	MT6407-77A	35.1	16.1	38	3	a	Front	36	0	Added	
R7	RF4440d-13A	15	15	38	3	a	Behind	27	0	Added	

Plan View

Front View
Looking at Structure



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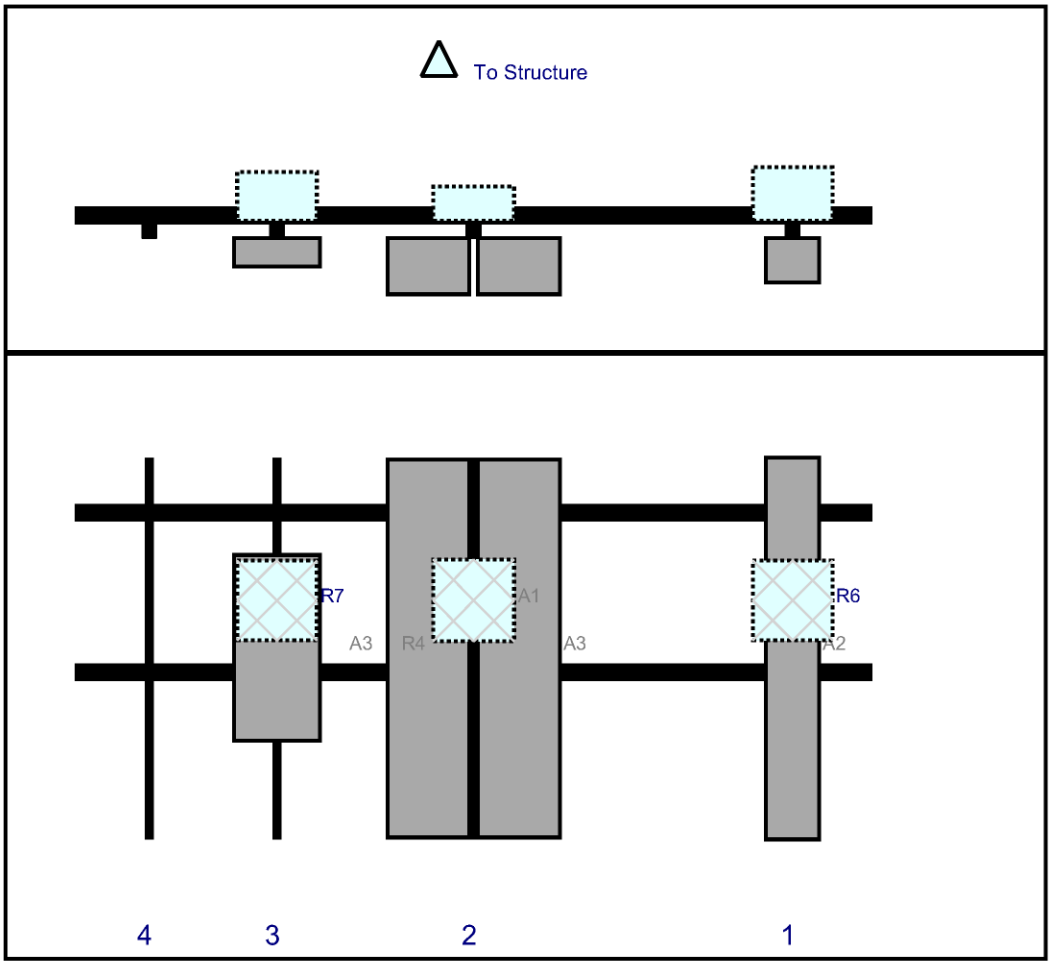

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Maser Consulting Connecticut

Subject	*TIA-222-H Usage*	
Site Information	*Site ID:*	*468248-VZW / EASTON NORTH 2 CT*
	Site Name:	*EASTON NORTH 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*206 Everett RD* *Easton, Connecticut 06612* *Fairfield County*
	Latitude:	*41.290344°*
	Longitude:	*-73.282669°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.50-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,

Peter Albano, PE
Project Manager

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: CT46131

CARRIER SITE NAME: EASTON NORTH 2 CT
CARRIER SITE NUMBER: 468248
FUZE ID: 2567027

206 EVERETT ROAD
EASTON, CT 06612
FAIRFIELD COUNTY

LATITUDE: 41.290344° N
LONGITUDE: 73.282669° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 428.45'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .216
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10117165
VZW LOCATION CODE (PSLC): 468248
ANALYSIS DATE: 11/23/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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www.colliersengineering.com

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/23/21	ISSUED FOR CONSTRUCTION	SBA	PMA
0	10/13/21	ISSUED FOR CONSTRUCTION	SBA	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21
COLLIERS ENGINEERING & DESIGN, INC.
CT, C.O.A. #PEC.0000131

SITE NAME:
EASTON NORTH 2 CT
468248
206 EVERETT ROAD
EASTON, CT 06612
FAIRFIELD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERSENGINEERING.COM CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT		504	504
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	-	-	36" LONG, P2 STD	GALVANIZED	11	11
					TOTAL:	990

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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1	11/23/21	ISSUED FOR CONSTRUCTION	SEA	PMA
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SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

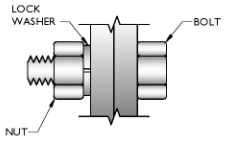
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

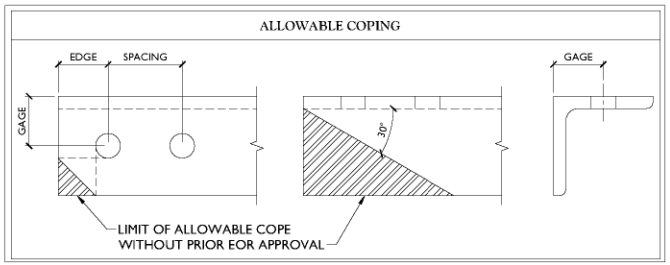
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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SCALE:	JOB NUMBER:
AS SHOWN	217771106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/23/21	ISSUED FOR CONSTRUCTION	SEA	PMA
0	10/13/21	ISSUED FOR CONSTRUCTION	SEA	PMA

STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35450
LICENSED PROFESSIONAL ENGINEER
11/24/21
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C.T. C.O.A. #PEC.0000131

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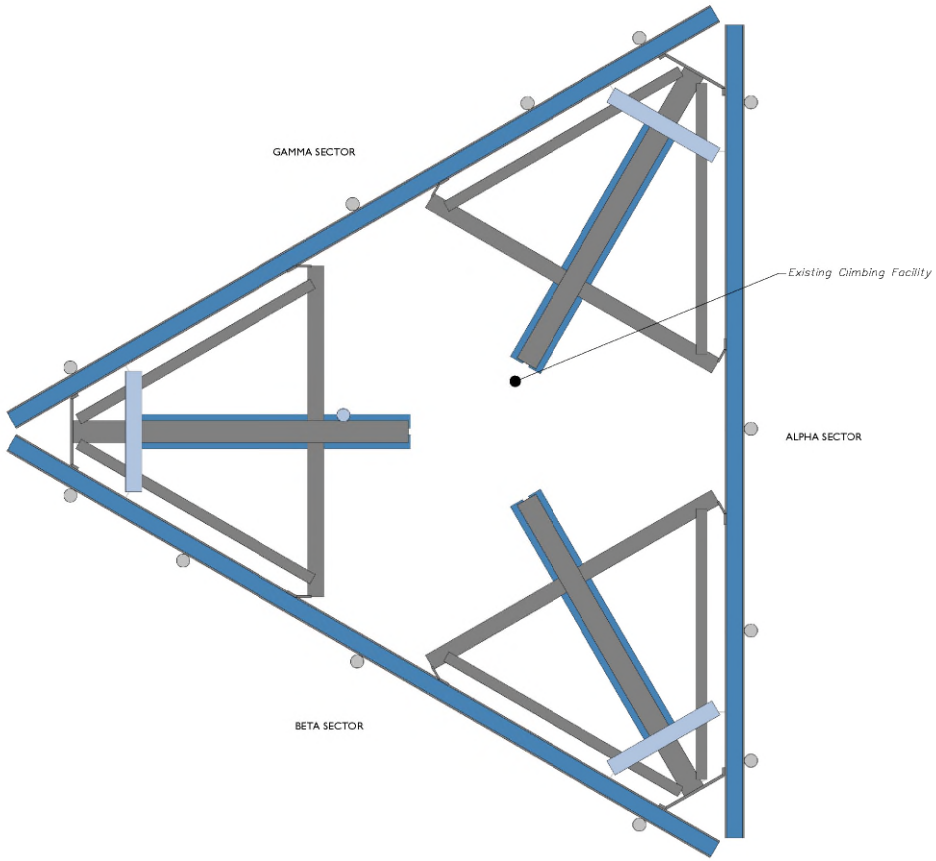
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

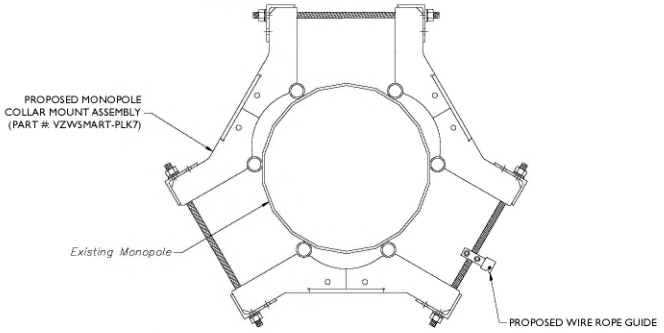


1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

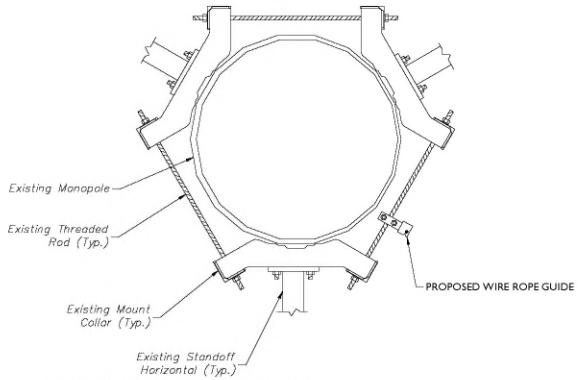
STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS LLC ON 4/20/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (127'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.



3 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

CLIMBING FACILITY PHOTO

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SCALE	JOB NUMBER
AS SHOWN	217771106A

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1	11/23/21	ISSUED FOR CONSTRUCTION	SEA	PMA
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STATE OF CONNECTICUT
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SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

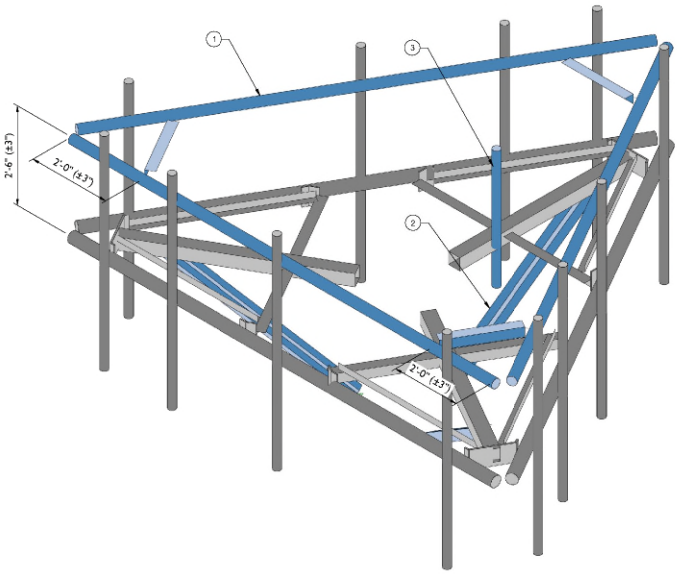
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	127'-6"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
3		1	36" LONG, P2 STD OVP PIPE	GALVANIZED. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6). CONNECT TO EXISTING HORIZONTAL STANDOFF LOCATED BETWEEN THE BETA/GAMMA SECTORS.

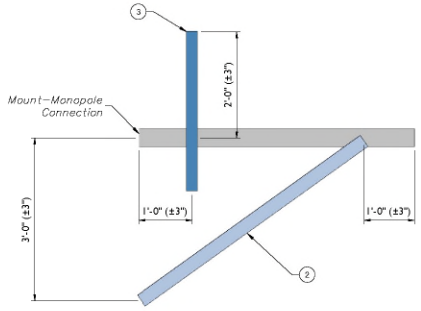
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (SIM. ALL SECTORS)

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STATE OF CONNECTICUT
PETER MICHAEL ALBANO
No. 35458
LICENSED PROFESSIONAL ENGINEER
11/24/21

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SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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AS SHOWN	21777106A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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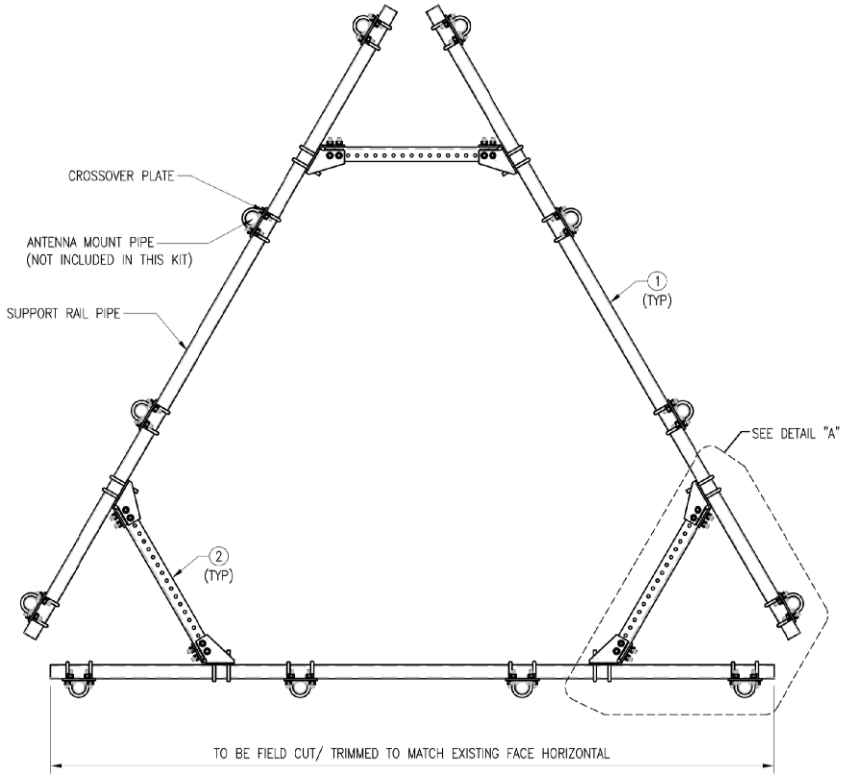
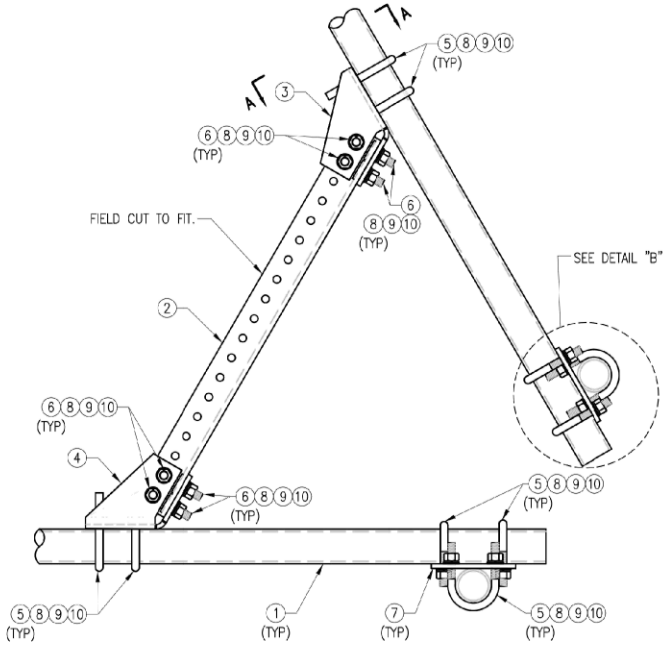
SHEET TITLE:
MOUNT PHOTOS

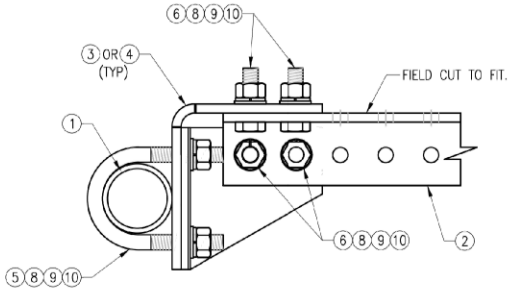
SHEET NUMBER:
SS-2



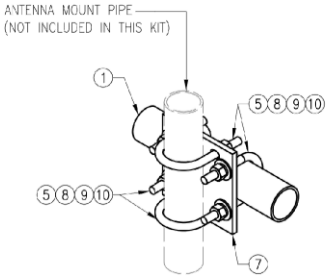
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

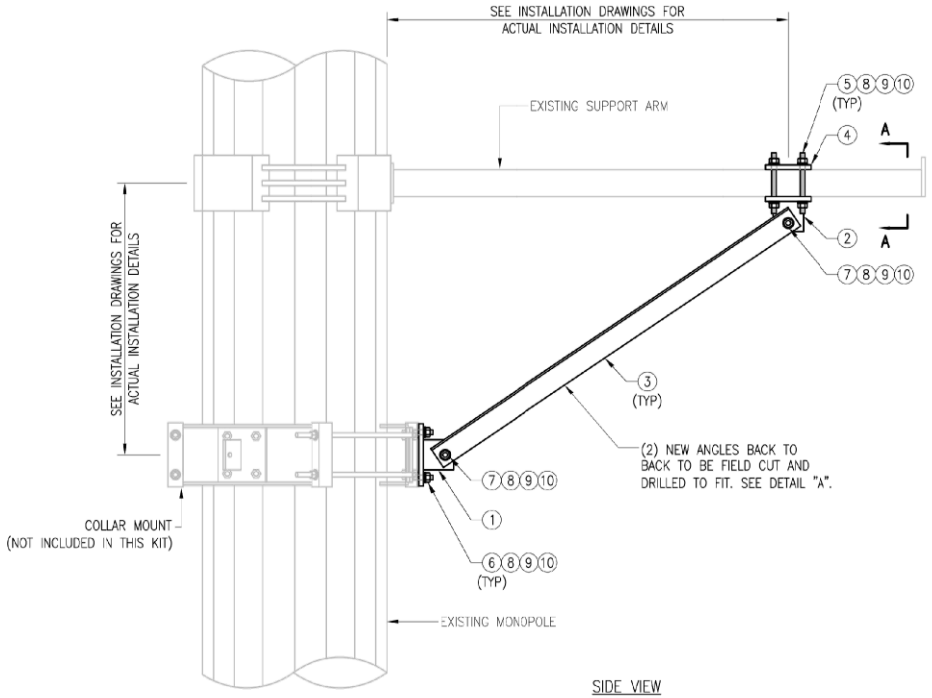
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

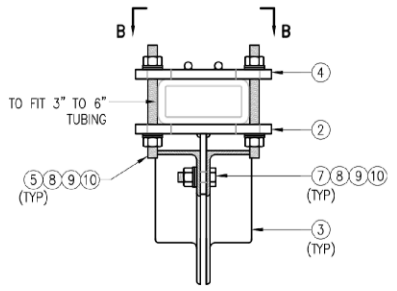
SHEET NUMBER: VZWSMART-PLK1

REV #: 0

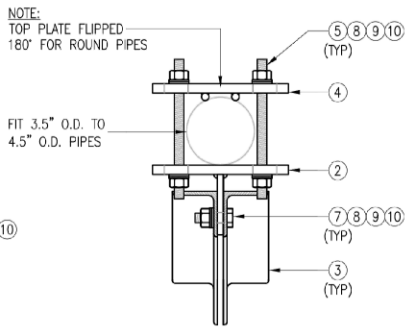
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



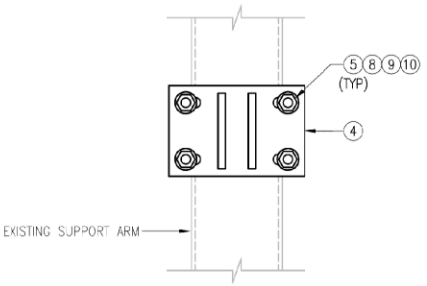
SIDE VIEW
KICKER KIT



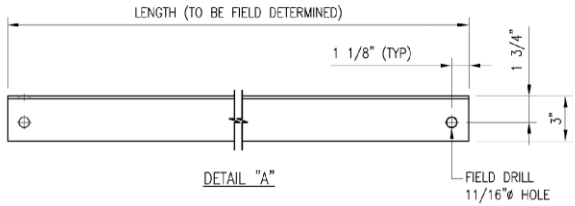
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L331875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW-625	5/8" HDG USS FLAT WASHER	---	.3
9	42	LW-625	5/8" HDG LOCK WASHER	---	1
10	42	NUT-625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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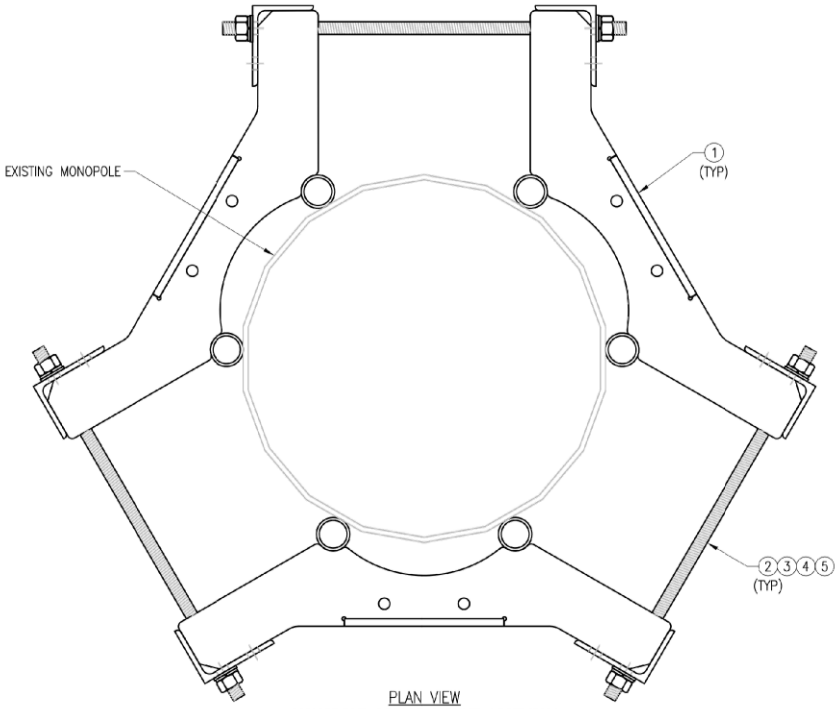
DRAWN BY: MN | CHECKED BY: HMA/KW

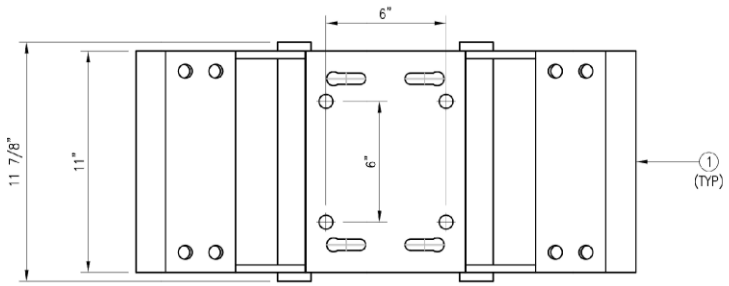
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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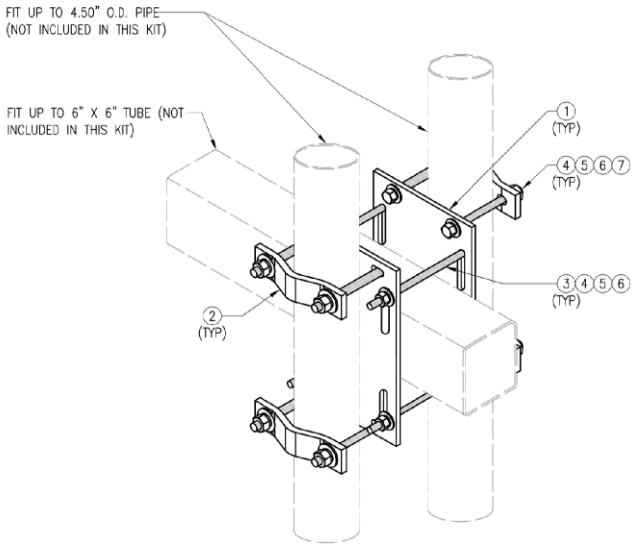
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	P_375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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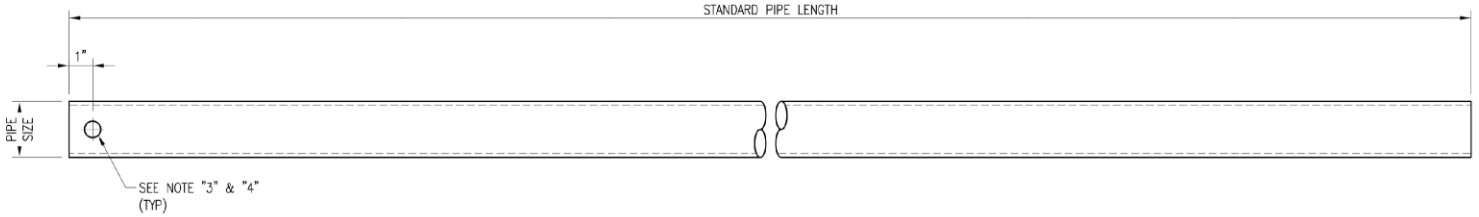
DRAWN BY: SK | CHECKED BY: BT/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	SK	05/08/20

SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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DRAWN BY: BT | CHECKED BY: HMA/KW

REV	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE | REV #: 0

ATTACHMENT 5


State Hwy 55
Sherwood Rd
Sherwood Rd
99
325
330
106
145
136
260
250
12
10
242
240
211
206
185
190
170
182
174
159
153
156
152
158
149
Rock Raymo

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2021.

Easton, CT

Information on the Property Records for the Municipality of Easton was last updated on 2/11/2022.

Parcel Information

Location:	206 EVERETT ROAD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	00010600	Map Block Lot:	9610 9611 1	Acres:	37.59
490 Acres:	34.48	Zone:	R3	Volume / Page:	0681/0372
Developers Map / Lot:	1834 1835	Census:	1052		

Value Information

	Appraised Value	Assessed Value
Land	686,000	341,740
Buildings	216,300	151,410
Detached Outbuildings	93,600	65,520
Total	995,900	558,670

Owner's Information

Owner's Data
BARNEY JOAN 1/2 INT & BARNEY DAVID 1/2 108 HIRAM HILL ROAD MONROE, CT 06468

Building 1

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

EASTON NORTH 2

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3	neopost 03/25/2022 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	David Bindleglass, First Selectman Town of Easton 225 Center Road Easton, CT 06612				
2.	Mark DeLieto, Zoning Enforcement Officer Town of Easton 225 Center Road Easton, CT 06612				
3.	Joan and David Barney 108 Hiram Hill Road Monroe, CT 06468				
4.					
5.					
6.					

OLD STATE HOUSE ASSOCIATION MAR 25 2022 USPS