Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

March 16, 2022

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
151 Berkshire Road, Newtown, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Siting Council in June of 2002 (Docket No. 220). Cellco's shared use of the tower was approved by the Siting Council ("Council") in August of 2005 (EM-VER-097-050713). A copy of the Docket No. 220 Decision and Order and the Council's EM-VER-097-050713 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with 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 Newtown'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 and mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials 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:
Daniel Rosenthal, Newtown First Selectman
George Benson, Director of Planning
Marnie Uliasz and Tracy Hill, Property Owners
Karla Hanna, Verizon Wireless

Daniel Rosenthal, First Selectman
Town of Newtown
8 Primrose Street
Newtown, CT 06470

George Benson, Director of Planning
Town of Newtown
8 Primrose Street
Newtown, CT 06470

Marnie Uliasz and Tracy Hill
151 Berkshire Road
Sandy Hook, CT 06482

Karla Hanna
Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

ATTACHMENT 1

DOCKET NO. 220 - Connecticut Agricultural Towers LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at 14 Osborn Hill Road, or 151 Berkshire Road (Route 34), Sandy Hook/Newtown, Connecticut. }	} } }	Connecticut Siting Council June 3, 2002

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed alternate site in Newtown, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to James E. Dwyer Company for the construction, maintenance and operation of a cellular telecommunications facility at the proposed alternate site located at 151 Berkshire Road (Route 34), Newtown, Connecticut. We deny certification of the proposed prime site located at 14 Osborn Hill Road, Newtown, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of telecommunications providers, both public and private, but such tower shall not exceed a height of 120 feet above ground level, capable of being increased in height as needed by means of a petition to the Council.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location and specifications for the tower, tower foundation, antennas, equipment building, security fence, access road, utility line, and landscaping plan. The D&M Plan shall also include construction plans to be submitted prior to construction for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control .

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when

circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide, or permanently ceases to provide wireless services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, and the Danbury News-Times.

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

The parties and intervenors to this proceeding are:

Applicant	**Its Representatives**
James E. Dwyer Co., Inc. Its Representative	James E. Dwyer Co., Inc. 106 Sherman Street Fairfield, CT 06430 Stephen J. Humes LeBoeuf, Lamb, Greene & MacRae Goodwin Square 225 Asylum Avenue Hartford, CT 06103

Intervenor Town of Newtown	Robert A. Fuller, Esq. 75 East Meadow Road Wilton, CT 06897

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

August 25, 2005

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

RE: **EM-VER-097-050713** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 151 Berkshire Road, Newtown, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on August 24, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated July 13, 2005, 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,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
Gary Frenette, Zoning Enforcement Officer, Town of Newtown
Keith Coppins, Vice President of Development, Optasite, Inc.
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP
Christine Farrell, T-Mobile USA

G:\EM\BAM-VERIZON\NEWTOWN\dc082405.DOC

CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

verizon

SITE NAME: NEWTOWN_SE_CT

151 BERKSHIRE ROAD
NEWTOWN, CT 06470
TOWN OF NEWTOWN
FAIRFIELD COUNTY

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

SITE INFORMATION

SITE ADDRESS:	151 BERKSHIRE ROAD NEWTOWN, CT 06470
LATITUDE (NAD 83): LONGITUDE (NAD 83):	41°-23'-51.0"N (41.3975°) 73°-14'-8.9988"W (-73.235833°)
JURISDICTION:	TOWN OF NEWTOWN FAIRFIELD COUNTY
PARCEL NUMBER:	211539
PROPERTY OWNER:	ULIA SZ MARNIE/HILL TRACY 151 BERKSHIRE ROAD SANDY HOOK, CT 06482
TOWER OWNER:	SBA COMMUNICATIONS CORPORATION 8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307
VZW SITE ID:	324506
STRUCTURE TYPE:	MONOPOLE
CONSTRUCTION TYPE:	II B
USE GROUP:	U

CONTRACTOR PMI REQUIREMENTS

PMI DOCUMENTATION:	HTTPS://PMI.VZWSMART.COM
PROJECT NUMBER:	100765
VERIZON LOCATION CODE (PSLC):	467769

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

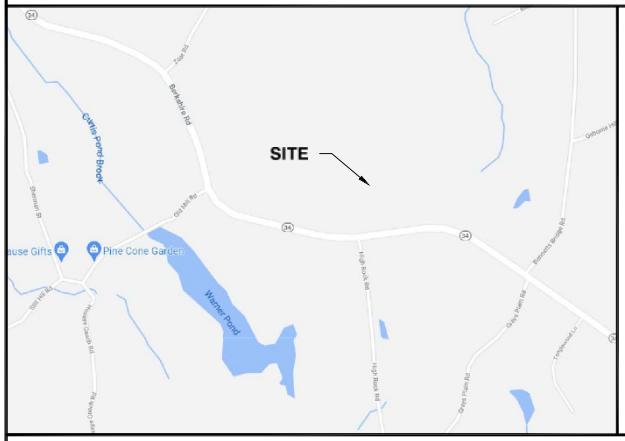
MOUNT MODIFICATION REQUIRED

YES

VERIZON APPROVED VENDORS

* REFER TO MOUNT MODIFICATION DRAWINGS.

VICINITY MAP



SCOPE OF WORK

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

PROJECT CONSISTS OF REMOVING: (9) EXISTING ANTENNAS, (3) EXISTING RRUs, AND (6) EXISTING DIPLEXER 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 303
CHELMSFORD, MA 01824
(978) 858-8388

APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

NEWTOWN_SE_CT
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
TOWN OF NEWTOWN
FAIRFIELD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	02/24/22	FINAL CDs	CSG

PROFESSIONAL STAMP

STATE OF CONNECTICUT
DANIEL J. CORNING
34055
LICENSED PROFESSIONAL ENGINEER

ENGINEER

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

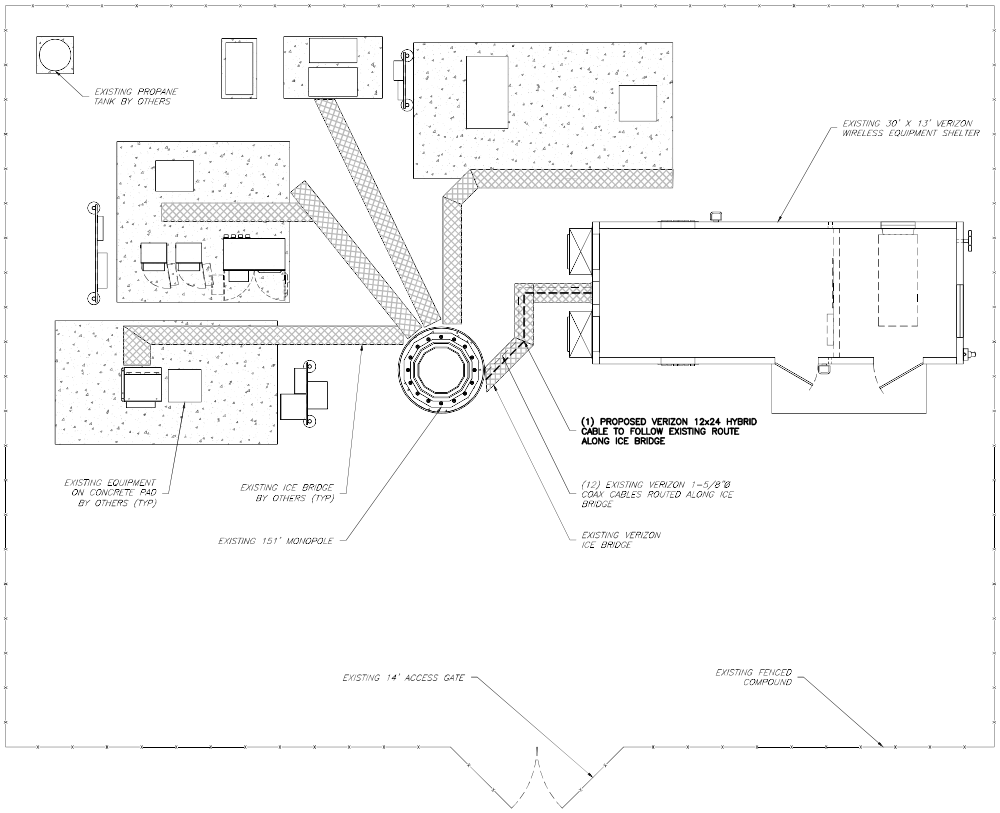
SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

TRUE NORTH



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

ENGINEER
NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
LAKELAND, MN 55044
(978) 858-8388

APPLICANT
verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION
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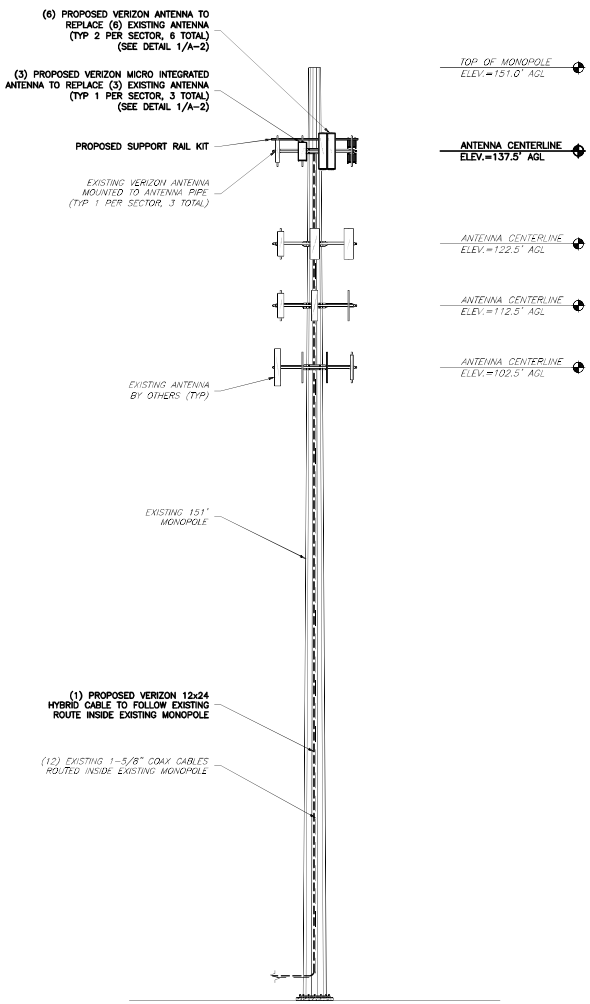
CT PROFESSIONAL ENGINEER LIC. #34055

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 DATED 12/17/2021 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 D.B.A. MASER CONSULTING DATED, 12/17/2021.

NOTE:
NO TOWER MODIFICATIONS ARE REQUIRED BEFORE ANY INSTALL CAN OCCUR. PLEASE REFER TO THE STRUCTURAL ANALYSIS REPORT PREPARED BY SBA DATED, 02/18/2022.

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

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ENGINEER

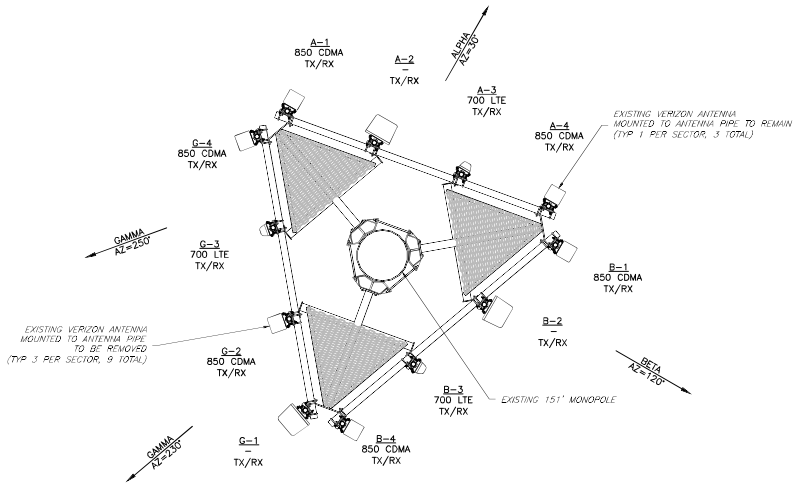
DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

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	SWEDCOM	SC-E 6014 REV2	137.50'	30°	3°	0°	–	–	(4) 1-5/8"ø COAX CABLE (153'±)
A-2	SWEDCOM	SLCP 2X6014	137.50'	30°	–	–	–	–	
A-3	ANDREW	BXA-171063-8BF-EDIN-2	137.50'	30°	3°	0°	(1) UHBA B13 RRH 4x30	700	
A-4	SWEDCOM	SC-E 6014 REV2	137.50'	30°	3°	0°	–	–	
B-1	SWEDCOM	SC-E 6014 REV2	137.50'	120°	3°	0°	–	–	(4) 1-5/8"ø COAX CABLE (153'±)
B-2	SWEDCOM	SLCP 2X6014	137.50'	120°	–	–	–	–	
B-3	ANDREW	BXA-171063-8BF-EDIN-2	137.50'	120°	3°	0°	(1) UHBA B13 RRH 4x30	700	
B-4	SWEDCOM	SC-E 6014 REV2	137.50'	120°	3°	0°	–	–	
G-1	SWEDCOM	SLCP 2X6014	137.50'	230°	3°	0°	–	–	(4) 1-5/8"ø COAX CABLE (153'±)
G-2	SWEDCOM	SC-E 6014 REV2	137.50'	250°	–	–	–	–	
G-3	ANDREW	BXA-171063-8BF-EDIN-2	137.50'	250°	3°	0°	(1) UHBA B13 RRH 4x30	700	
G-4	SWEDCOM	SC-E 6014 REV2	137.50'	250°	3°	0°	–	–	

NOTES:
1. PLANS PREPARED PER RF SHEET DATED 09/29/2021. 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

NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
(978) 856-8388

APPLICANT

verizon
118 FLANDERS ROAD
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SITE INFORMATION

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151 BERKSHIRE ROAD
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DESIGN RECORD

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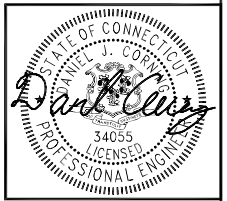
PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

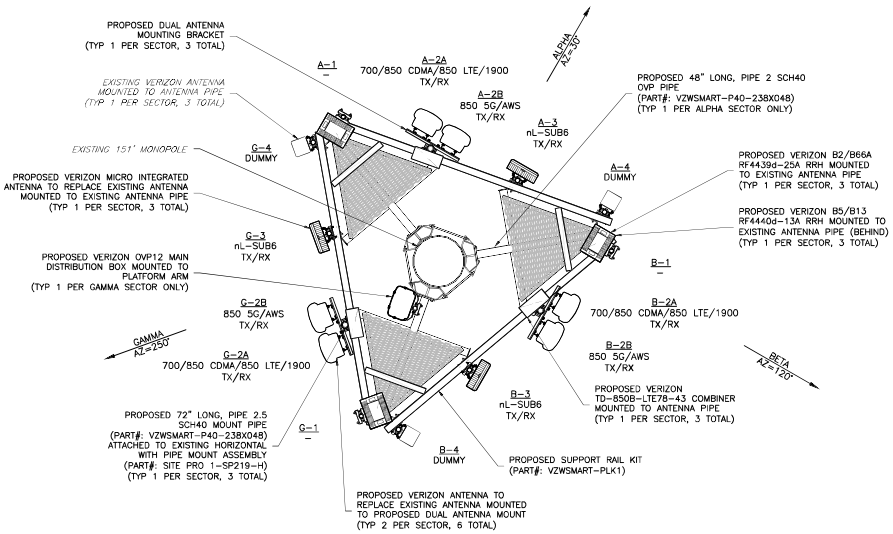
EXISTING ANTENNA PLAN & SCHEDULE

SHEET NUMBER

A-1

GENERAL ANTENNA NOTES

1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR IS TO COORDINATE AND VERIFY THE PROPOSED DOWNTILTS WITH VERIZON MANAGER PRIOR TO CONSTRUCTION.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'. (EXISTING GRADE)
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. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT 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. THE OWNER'S AGENT SHALL FURNISH A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER STATING THAT THIS STRUCTURAL ANALYSIS WAS PREPARED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.



1 / A-2 PROPOSED ANTENNA ORIENTATION PLAN
NTS

APPROX TRUE NORTH

NOTE:
POST-MODIFICATION INSPECTION (PMI) REQUIRED ON ALL SITES. REFER TO THE MOUNT ANALYSIS PREPARED BY MASER CONSULTING DATED 12/17/2021 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 D.B.A. MASER CONSULTING DATED, 12/17/2021.

NOTE:
NO TOWER MODIFICATIONS ARE REQUIRED BEFORE ANY INSTALL CAN OCCUR. PLEASE REFER TO THE STRUCTURAL ANALYSIS REPORT PREPARED BY SBA DATED, 02/18/2022.

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, LENGTH & QUANTITY
A-1A	JMA WIRELESS	MX06FRO660-3	137.50'	30°	0°/3°/0°/0°	2°/0°/2°/2°	(1) RF4440D-13A	700/850	(4) 1-5/8"ø COAX CABLE (180'±) SHARED THROUGH HYBRID CABLE
A-1B	JMA WIRELESS	MX06FRO660-3	137.50'	30°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
A-2	SAMSUNG	MT6407-77A	137.50'	30°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
A-3	EMPTY	–	–	–	–	–	–	–	
A-4	SWEDCOM	SC-E 6014 REV2	137.50'	30°	–	–	–	–	
B-1A	JMA WIRELESS	MX06FRO660-3	137.50'	120°	0°/3°/0°/0°	2°/0°/2°/2°	(1) RF4440D-13A	700/850	(4) 1-5/8"ø COAX CABLE (180'±) SHARED THROUGH HYBRID CABLE
B-1B	JMA WIRELESS	MX06FRO660-3	137.50'	120°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
B-2	SAMSUNG	MT6407-77A	137.50'	120°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
B-3	EMPTY	–	–	–	–	–	–	–	
B-4	SWEDCOM	SC-E 6014 REV2	137.50'	120°	–	–	–	–	
G-1A	JMA WIRELESS	MX06FRO660-3	137.50'	250°	0°/3°/0°/0°	2°/0°/2°/2°	(1) RF4440D-13A	700/850	(4) 1-5/8"ø COAX CABLE (180'±) (1) 12x24 HYBRID CABLE (180'±)
G-1B	JMA WIRELESS	MX06FRO660-3	137.50'	250°	0°/0°	2°/2°	(1) RF4439D-25A	1900/AWS	
G-2	SAMSUNG	MT6407-77A	137.50'	250°	0°	6°	INTEGRATED IN ANTENNA	nL-Sub6	
G-3	EMPTY	–	–	–	–	–	–	–	
G-4	SWEDCOM	SC-E 6014 REV2	137.50'	250°	–	–	–	–	

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.

ENGINEER

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ENGINEER

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

SHEET TITLE

PROPOSED ANTENNA PLAN & SCHEDULE

SHEET NUMBER

A-2

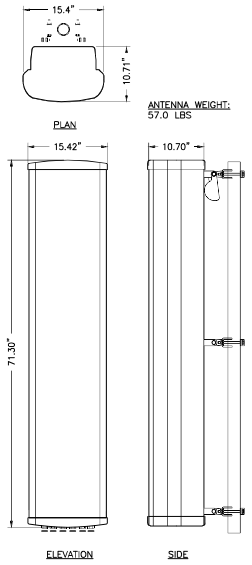
EXISTING ANTENNA SPECIFICATIONS

ANTENNA MANUFACTURER	ANTENNA MODEL	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
ANDREW	*BXA-171063-8BF-EDIN-2	3	48.0"	6.1"	4.1"	9.2 LBS
SWEDCOM	*SLCP 2x6014	3	53.0"	14.0"	11.0"	20.0 LBS
SWEDCOM	*SC-E 6014 REV2	3	43.0"	8.5"	8.0"	15.0 LBS
SWEDCOM	SC-E 6014 REV2	3	43.0"	8.5"	8.0"	15.0 LBS

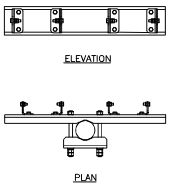
* TO BE REMOVED

PROPOSED ANTENNA SPECIFICATIONS

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



3 A-3 MX06FRO660-03 ANTENNA DETAILS
NTS



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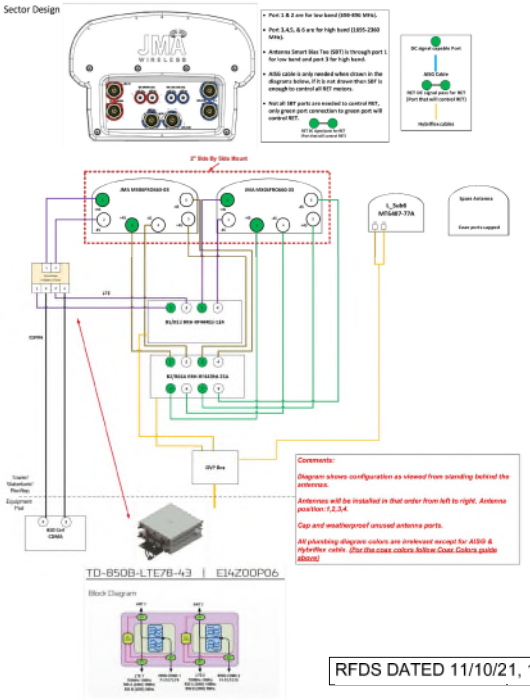

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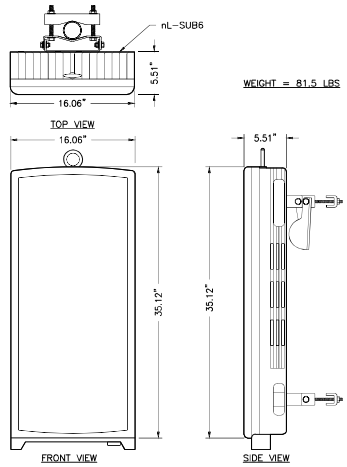
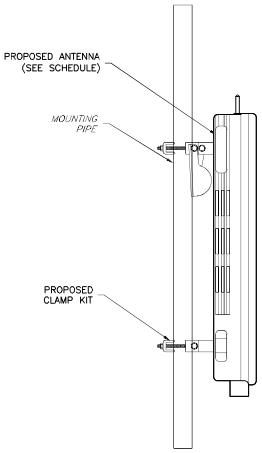


1 A-3 MT6407-77A INTEGRATED ANTENNA
NTS



2 A-3 ANTENNA MOUNTING DETAILS
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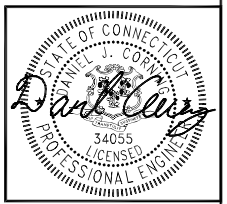

ENGINEER

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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	MONOPOLE	3	15.50"	15.90"	10.20"	74.5 LBS
SAMSUNG	RF4439d-25A	MONOPOLE	3	15.50"	15.90"	12.00"	90.0 LBS

PROPOSED DISTRIBUTION EQUIPMENT SPECIFICATIONS

MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RFS	RVZDC-6627-PF-48 (OVP12)	MONOPOLE	1	29.49"	16.54"	12.56"	32.0 LBS

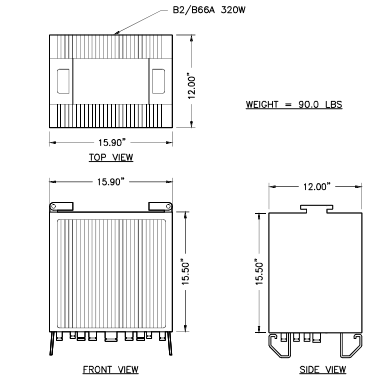
EXISTING DIPLEXER EQUIPMENT SPECIFICATIONS

MANUFRACUTRER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RFS	* RFSM11126427	SHELTER	6	5.8"	6.5"	1.5"	3.1 LBS

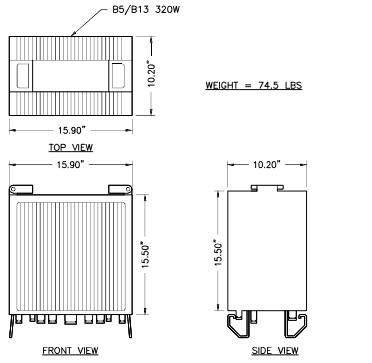
* TO BE REMOVED

PROPOSED COMBINER EQUIPMENT SPECIFICATIONS

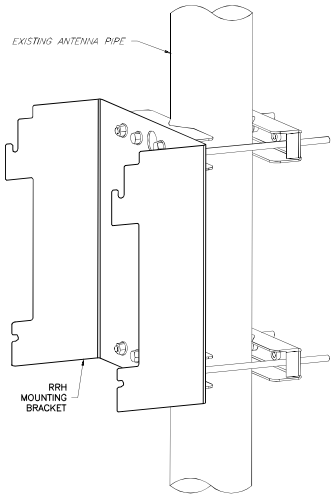
MANUFRACUTRER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
COMMSCOPE	TD-850B-LTE78-43	MONOPOLE	3	15.4"	15.2"	6.7"	52.9 LBS



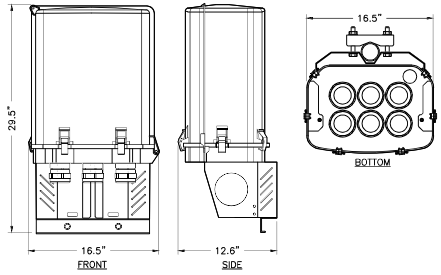
1 A-4 B2/B66A RF4439D-25A (REMOTE RADIO HEAD)
NTS



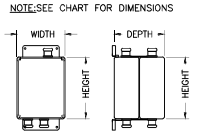
2 A-4 B5/B13 RF4440D-13A (REMOTE RADIO HEAD)
NTS



4 A-4 RRH MOUNTING DETAIL
NTS



5 A-4 OVP12 DISTRIBUTION BOX DETAIL
NTS



3 A-4 TWIN COMBINER DETAIL
NTS

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ENGINEER

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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) RUNS 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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SHEET TITLE

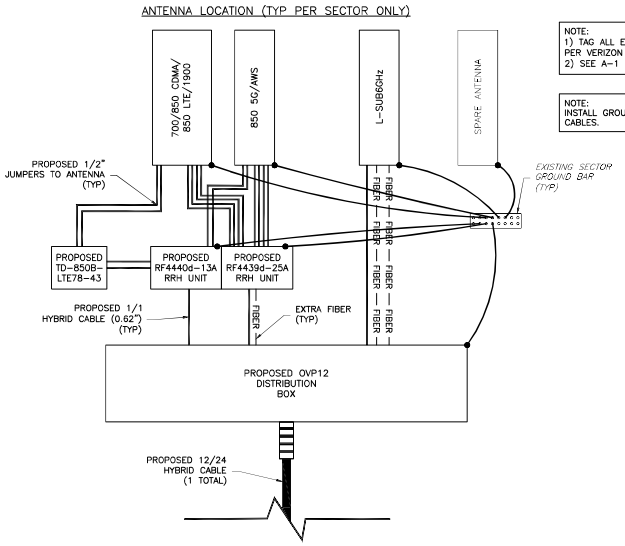
SCOPE OF WORK

SHEET NUMBER

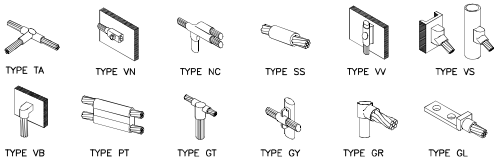
A-5

GROUNDING NOTES

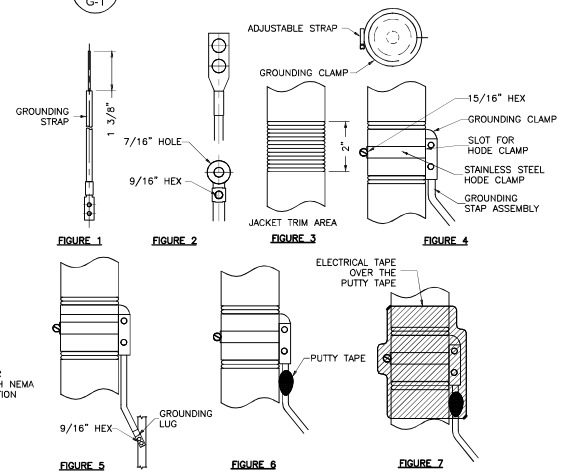
1. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
3. ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
4. GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE 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.

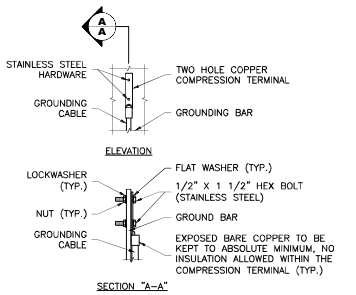


1 G-1 GROUNDING RISER DIAGRAM
NTS



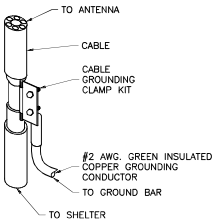
2 G-1 CADWELD GROUNDING CONNECTION DETAILS
NTS



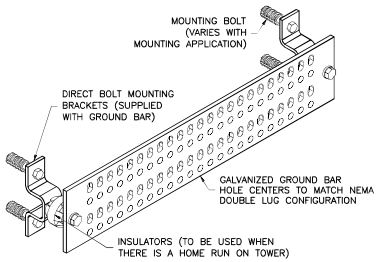


NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

3 G-1 GROUND BAR CONNECTION DETAIL
NTS



4 G-1 CABLE GROUNDING DETAIL
NTS



5 G-1 GROUND BAR DETAIL
NTS

6 G-1 GROUNDING STRAP WEATHERPROOFING DETAIL
NTS

ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
(978) 858-8388

APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

NEWTOWN_SE_CT
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
TOWN OF NEWTOWN
FAIRFIELD COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	02/24/22	FINAL CDs	CSG

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 MASER CONSULTING DATED 12/17/2021 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

NB+C™
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
(978) 856-8388

APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

NEWTOWN_SE_CT
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
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CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

PMI REQUIREMENTS

SHEET NUMBER

GN-1

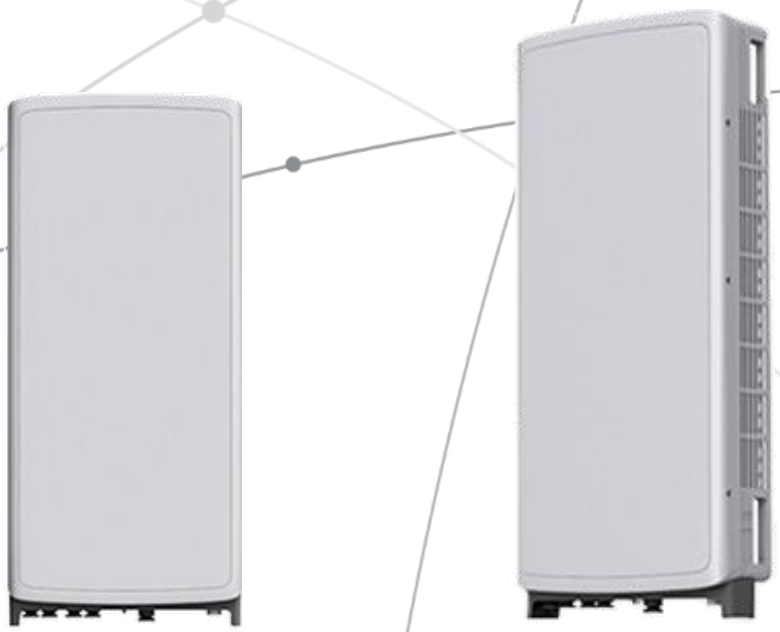
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

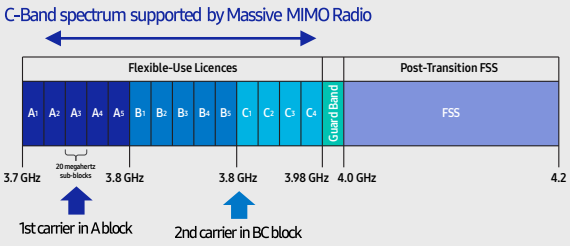


Points of Differentiation

Wide Bandwidth

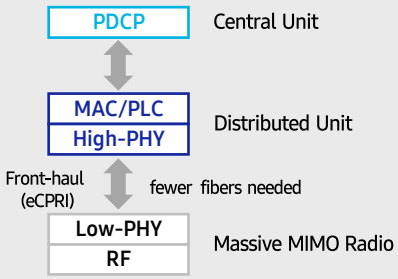
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

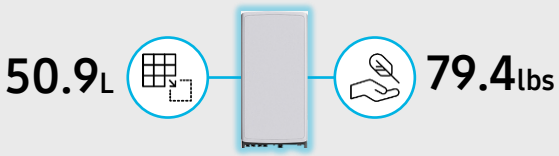
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

Model Code	RF4440d-13A

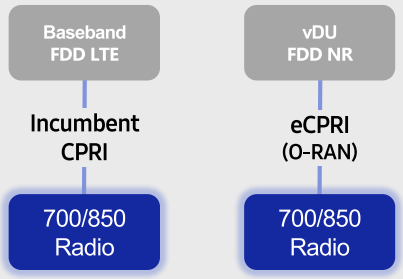
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

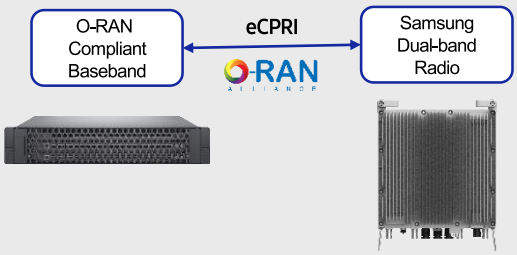
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

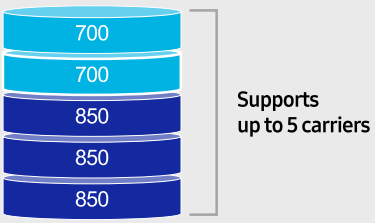
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

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

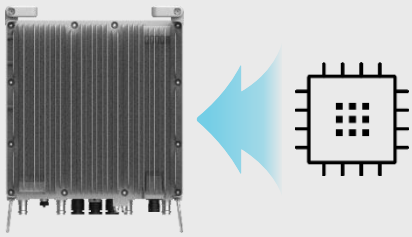
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

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



Technical Specifications

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

SAMSUNG

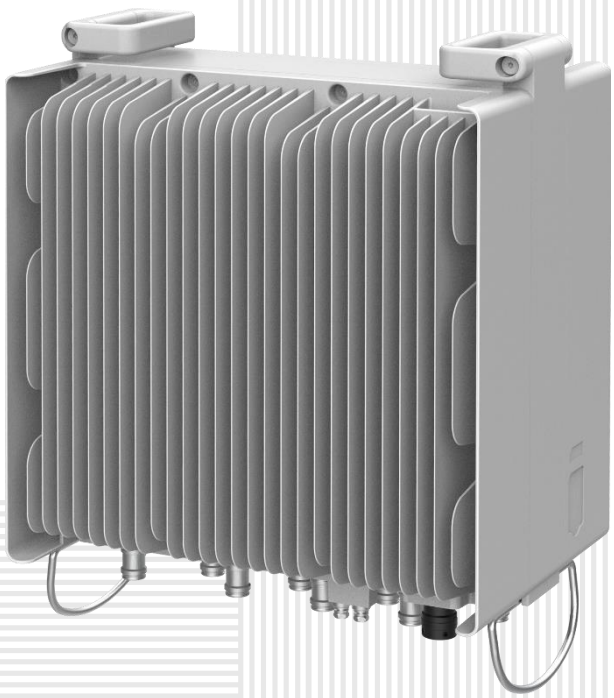
AWS/PCS MACRO RADIO

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



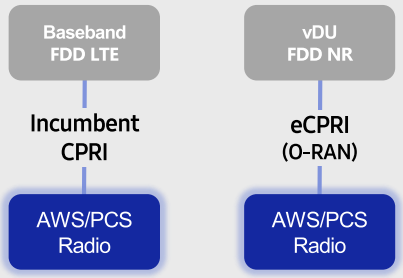
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

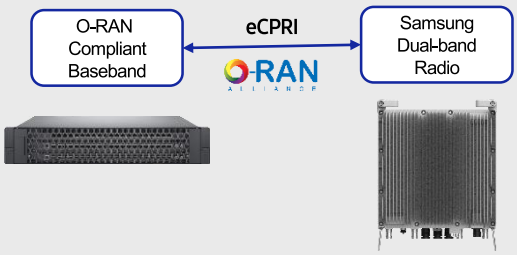
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

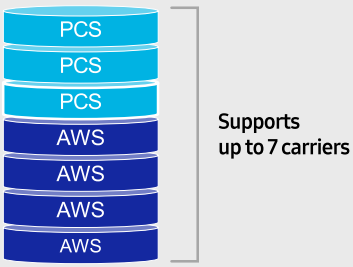
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

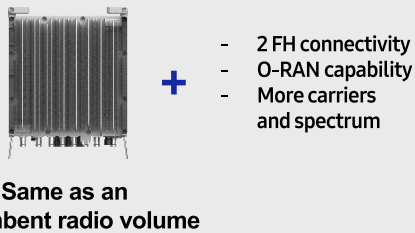
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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

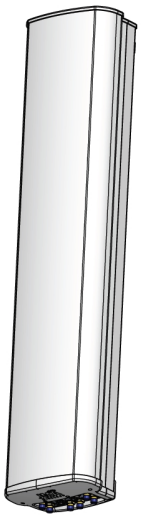
MX06FRO660-03

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

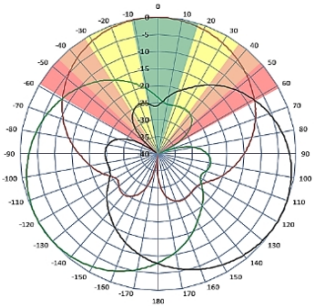
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready 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



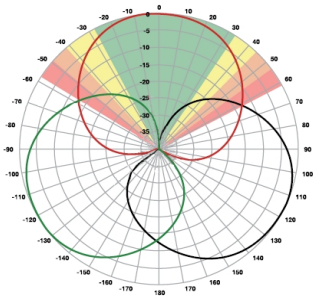
Large traditional antenna pattern overlap creates harmful interference.

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				

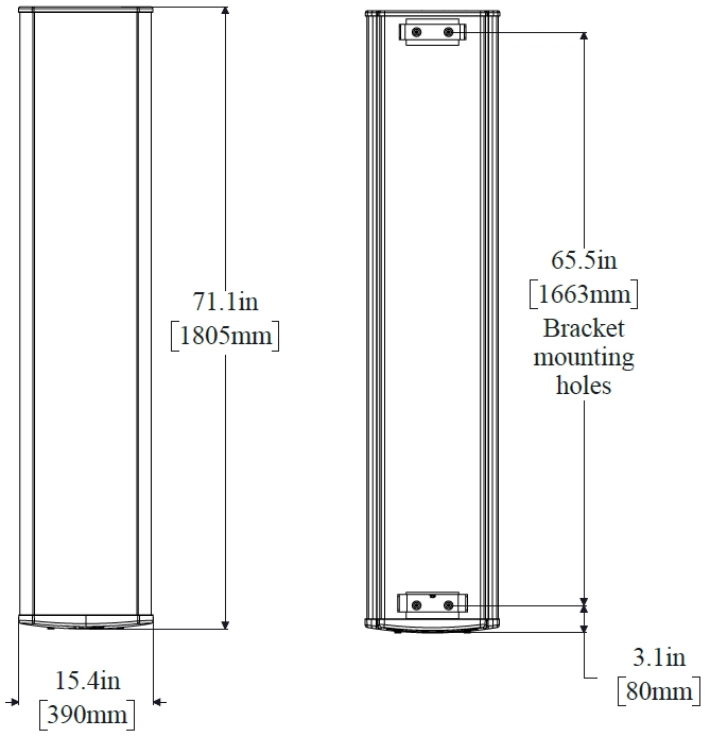
[1] Typical value over frequency and tilt

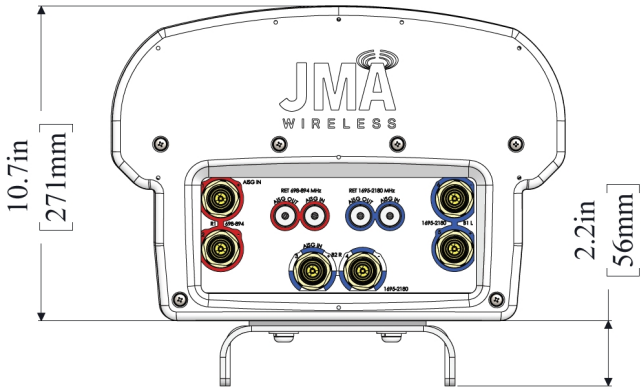
MX06FRO660-03

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

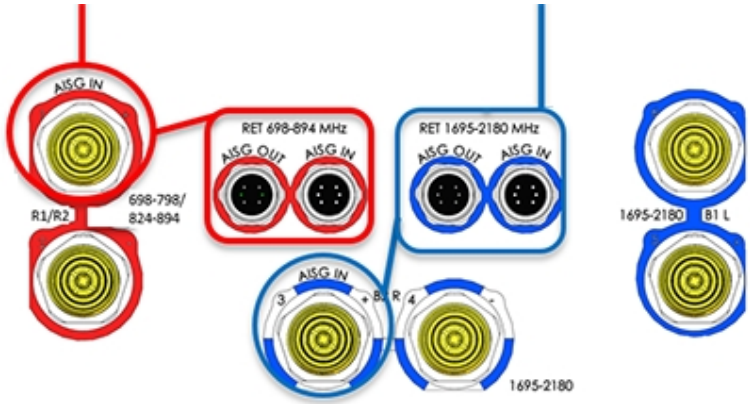
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
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

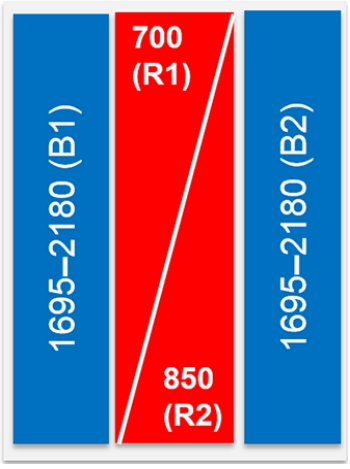


Array topology

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: Newtown SE								
Tower Height: Verizon @ 185ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*Sprint	3	35	107.5	1900	0.0037	1	0.04%	
*Sprint	1	20	107.5	850	0.0007	0.5667	0.01%	
*Sprint	2	35	107.5	2500	0.0024	1	0.02%	
*T-Mobile-PCS-UMTS	2	366	99.5	1950	0.0301	1	0.30%	
*T-Mobile-PCS-GSM	2	366	99.5	1950	0.0301	1	0.30%	
*T-Mobile-LTE	1	653	99.5	700	0.0269	0.4667	0.58%	
*Town of Newtown	1	100	150	150	0.0017	0.2	0.09%	
*Town of Newtown	1	50	150	150	0.0009	0.2	0.04%	
*Town of Newtown	1	50	150	150	0.0009	0.2	0.04%	
*AT&T	2	736	118	700	0.0422	0.4667	0.90%	
*AT&T	2	885	118	850	0.0507	0.5667	0.90%	
*AT&T	4	1469	118	1900	0.1685	1	1.68%	
*AT&T	4	1469	118	1900	0.1685	1	1.68%	
*AT&T	2	553	118	850	0.0317	0.5667	0.56%	
*AT&T	4	1181	118	2100	0.1354	1	1.35%	
*AT&T	2	424	118	850	0.0243	0.5667	0.43%	
VZW 700	**4**	**401**	**137.5**	**751**	**0.0030**	**0.5007**	**0.61%**	
VZW CDMA	**2**	**499**	**137.5**	**876.03**	**0.0019**	**0.5840**	**0.33%**	
VZW Cellular	**4**	**607**	**137.5**	**874**	**0.0046**	**0.5827**	**0.79%**	
VZW PCS	**4**	**918**	**137.5**	**1980**	**0.0070**	**1.0000**	**0.70%**	
VZW AWS	**4**	**984**	**137.5**	**2120**	**0.0075**	**1.0000**	**0.75%**	
VZW CBRS	**4**	**0**	**137.5**	**3625**	**0.0000**	**1.0000**	**0.00%**	
VZW CBAND	**2**	**8185**	**137.5**	**3730.08**	**0.0311**	**1.0000**	**3.11%**	
								15.21%
* Source: Siting Council								

ATTACHMENT 4

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

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 467769 / NEWTOWN_SE_CT
Application #: 180306, v1

SBA Site ID / Name: CT13057-A / Newtown

148 ft Monopole

151 Berkshire Road
Newtown, Connecticut 06470
Lat: 41.397375, Long: -73.236069

Project number: CT13057-VZW-021422

Analysis Results

Tower	99.8%	Pass
Foundation	56.0%	Pass

Change in tower stress due to mount modification / replacement	0.7%

Prepared by:

Serge Berthomieux
Structural Engineer I
561-226-9365
SBerthomieux@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
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February 18, 2022

STATE OF CONNECTICUT
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02/21/22

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Reviewed by:

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SShanubhogue@sbasite.com

February 21, 2022

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 148 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	PennSummit/PJF, Job # 29203-0081, dated 4/22/2003
Foundation drawings	PennSummit/PJF, Job # 29203-0081, dated 4/28/2003
Geotechnical report	Dennis Morrissey, dated 06/20/2002
Mount MOD Drawing	Colliers Engineering & Design, Job # 21777745A, dated 12/17/2021
Post-MOD	Maser Consulting Connecticut, Project # 21777745A (Rev 1), dated 12/17/2021
Modification drawings	N/A
Latest SA	SBAE, Project # CT13057-DSW-101221, dated 10/15/2021

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Fairfield/Newtown
Governing Codes	ANSI/TIA/EIA 222-G, 2015 IBC / 2018 CSBC
Basic Wind Speed (3-Sec gust)	93.0 mph (Ultimate Wind Speed: 120 mph)
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	0.75”
Structural Class*	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	602.3 ft.
Seismic Parameter S_s**	0.208
Seismic Parameter S_1	0.066

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

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

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Decibel - DB-TDD6492A-A - Whip	(1) 2 ft. Standoff		Town of Newtown
			Trombone - Whip			
			Antel BXA-171063-8BF - Panel	Low Profile Platform		Verizon
			Swedcom SLCP2x6014 - Panel			
			Swedcom SC-E 6014 Rev2 - Panel			
			RFS FD9R6004/2C-3L - Diplexer			
			Powerwave 7770 - Panel	Low Profile Platform + (1) RRH Collar Mount w/SitePro Sitepro 1 P/N HRK12-Handrail Kit/3 2-1/2" std. (2.88" O.D.)-Pipe Mast	(2) 1/2" Fiber	
			Powerwave LGP21401 TMA			
		2	Raycap DC6-48-60-18-8F (24x11" 32.8 lbs))			
			Kathrein 800-10965 - Panel			
			Ericsson 4449 B5/B12 RRU			
			Ericsson RRUS 8843 B2 B66A RRU			
			RFS APXVSPP18-C-A20 - Panel	(3) T-Arms w/ Working Platforms		Sprint
			RFS APXVTM14-C-I20 - Panel			
			ALU 1900MHz RRH - RRU			
			ALU 800 MHz RRH - RRU			
			ALU 800MHz RRH Filter			
			ALU TD-RRH8x20 - RRU			
			Commscope - RR65-18-00DPL2 - Panel	Platform w/ Hand Rail		T-Mobile
			RFS APXV18-206513-C-A20 - Panel			
			Commscope LNX-6515DS-A1M - Panel			
			Kathrein 782 11054 - Bias Ts			
			Commscope FFVV-65B-R2 - Panel	(1) Platform w/HRK Commscope: MC-PK8-DSH	(1) 1.75" Hybrid	Dish Wireless
			Fujitsu TA08025-B605 RRU			
			Fujitsu TA08025-B604 RRU			
			Raycap RDIDC-9181-PF-48			
			Decibel - 260B - GPS	(1) 3ft. Standoff		Sprint

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 180306, v1 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Swedcom SC-E 6014 Rev2 - Panel	(1) Low Profile Platform Modified	(1) 12x24 Hybrid	Verizon
			JMA Wireless MX06FRO660-03 - Panel			
			Samsung MT6407-77A - Panel			
			Commscope TD-850B-LTE78-43			
			Samsung RF4439d-25A RRU			
			Samsung RF4440d-13A RRU			
		1	Commscope FE-16148-OVP-B12 Junction Box			

Analysis Results

Tower

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

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate	Flange Connection
Max. Usage:				
Pass/Fail	Pass	Pass	Pass	Pass

Foundation

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

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	56.0%	Pass

Conclusions

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

Installation Requirements

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

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

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

Limitations

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

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

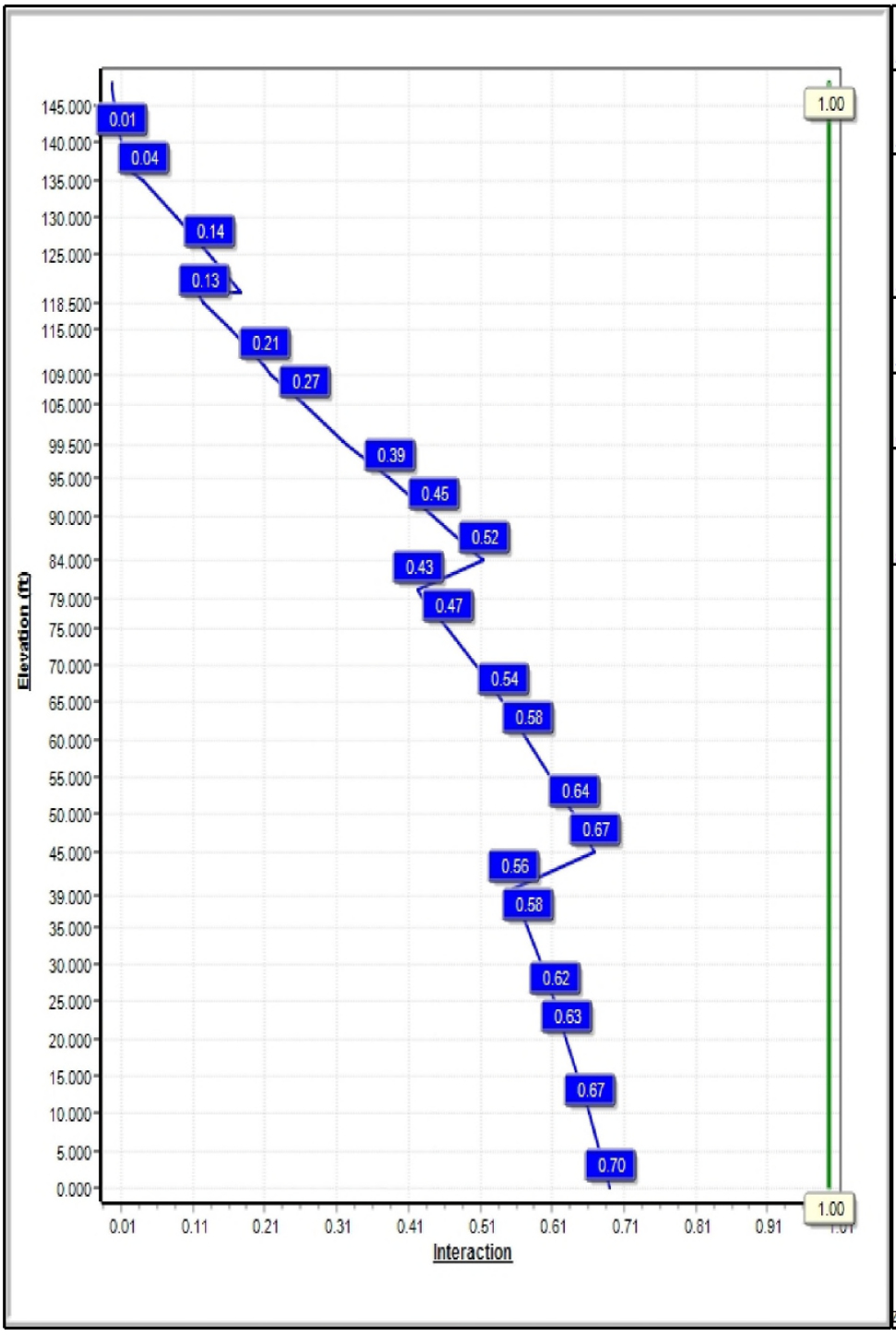
Appendix

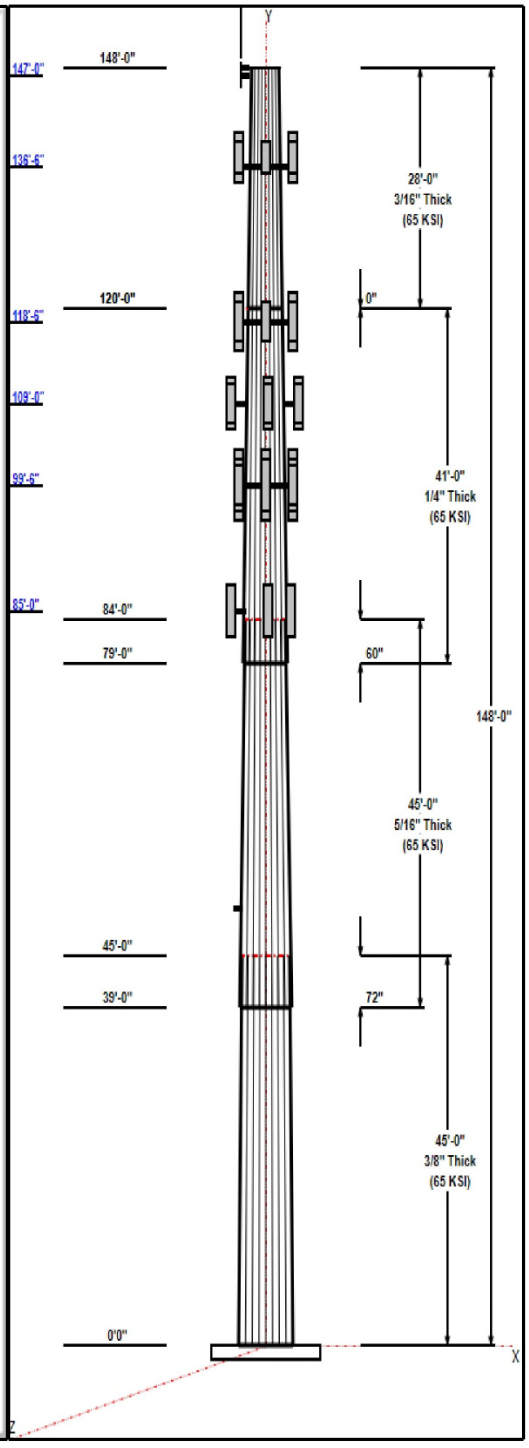
Usage Diagram - Max Ratio 69.55% at 0.0ft

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown	**Exposure:**	C	
Height:	148.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT13057-A

Type: Tapered
Site Name: Newtown
Height: 148.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.20983

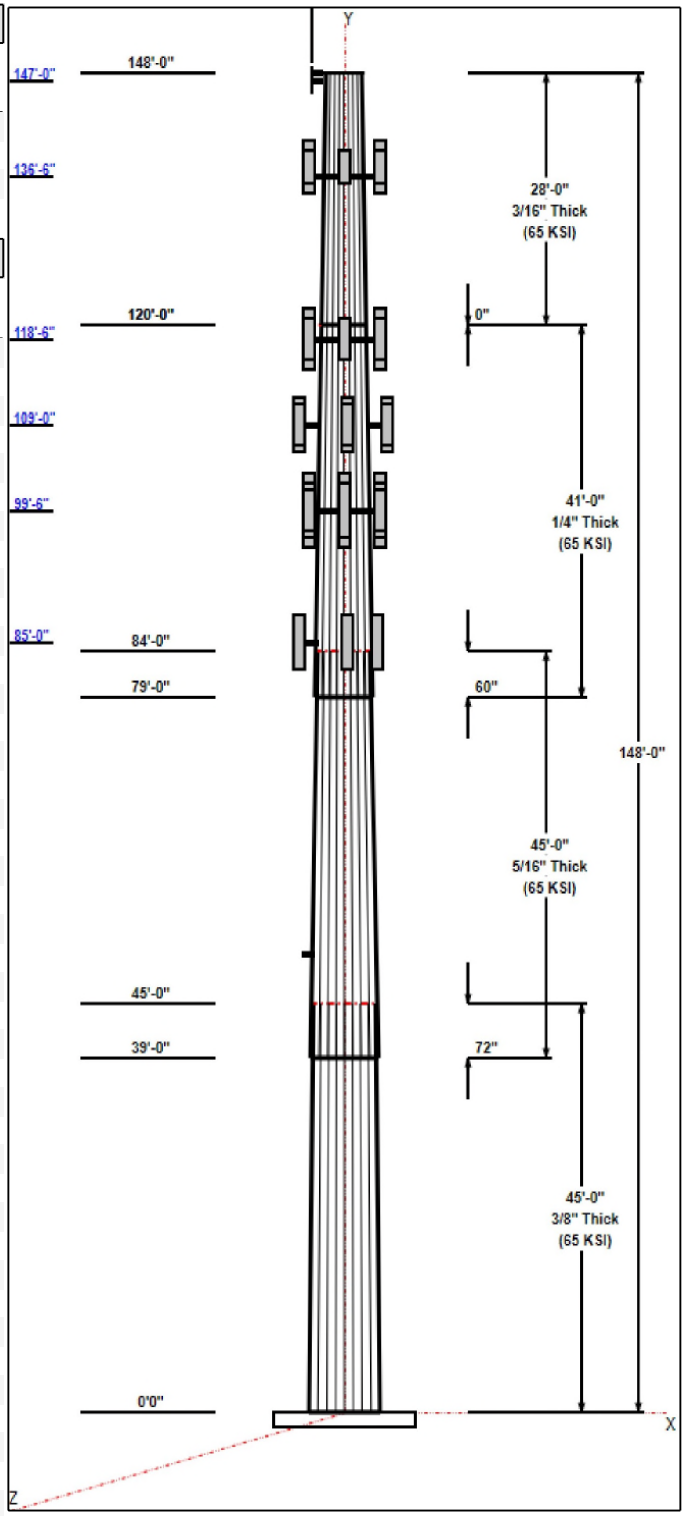
2/18/2022

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	45.99	55.43	0.375		0.20983	65
2	45.00	38.43	47.87	0.313	Slip	0.20983	65
3	41.00	31.38	39.98	0.250	Slip	0.20983	65
4	28.00	25.50	31.38	0.188	Butt	0.20983	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
148.00	153.00	1	DB-TDD6492A-A	Town of Newtown
148.00	150.00	1	Pipe Mount	Town of Newtown
148.00	151.00	1	6' Lightning rod	Tower
147.00	147.00	1	Standoff	Town of Newtown
147.00	147.00	1	Trombone	Town of Newtown
136.50	137.50	3	Swedcom SC-E 6014	Verizon
136.50	137.50	6	JMA Wireless	Verizon
136.50	137.50	3	Samsung MT6407-77A	Verizon
136.50	137.50	3	Commscope	Verizon
136.50	137.50	3	Samsung RF4439d-25A	Verizon
136.50	137.50	3	Samsung RF4440d-13A	Verizon
136.50	137.50	1	Commscope	Verizon
136.50	136.50	1	Platform w/ Rails	Verizon
118.50	118.50	3	Powerwave 7770	AT&T
118.50	118.50	6	Powerwave LGP21401	AT&T
118.50	118.50	1	Low Profile Platform	AT&T
118.50	118.50	2	Raycap DC6-48-60-18-8F	AT&T
118.50	118.50	1	RRH Collar Mount	AT&T
118.50	118.50	6	Kathrein 800-10965	AT&T
118.50	118.50	3	Ericsson 4449 B5/B12	AT&T
118.50	118.50	3	Ericsson RRUS 8843 B2	AT&T
118.50	118.50	1	SitePro Sitepro 1 P/N	AT&T
118.50	118.50	3	Pipe Mast	AT&T
109.00	109.00	3	RFS APXVSPP18-C-A20	Sprint
109.00	109.00	3	RFS APXVTM14-C-I20	Sprint
109.00	109.00	3	ALU 1900MHz RRH - RRU	Sprint
109.00	109.00	3	ALU 800 MHz RRH - RRU	Sprint
109.00	109.00	3	ALU 800MHz RRH Filter	Sprint
109.00	109.00	3	ALU TD-RRH8x20 - RRU	Sprint
109.00	109.00	4	RFS ACU-A20-N - RET	Sprint
109.00	109.00	3	T-Arms w/ Working	Sprint
99.50	99.50	1	Platform w/ Hand Rail	T-Mobile
99.50	99.50	6	RR65-18-00DPL2	T-Mobile
99.50	99.50	3	RFS	T-Mobile
99.50	99.50	3	Commscope	T-Mobile
99.50	99.50	3	RFS ATMAA1412D-1A2 -	T-Mobile
99.50	99.50	3	Kathrein 782 11054 - Bias	T-Mobile
85.00	85.00	3	Commscope	Dish Wireless
85.00	85.00	3	Fujitsu TA08025-B605	Dish Wireless
85.00	85.00	3	Fujitsu TA08025-B604	Dish Wireless
85.00	85.00	1	Raycap	Dish Wireless
85.00	85.00	1	Platform w/HRK	Dish Wireless
50.50	50.50	1	Decibel 260B GPS	Sprint
50.50	50.50	1	3 ft Standoff	Sprint



Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	148.00	Inside	7/8" Coax	Town of Newtown
0.00	147.00	Inside	7/8" Coax	Town of Newtown
0.00	137.50	Inside	1 5/8" Coax	Verizon
0.00	137.50	Inside	1/2" Coax	Verizon
0.00	137.50	Inside	12x24 Hybrid	Verizon
0.00	118.50	Inside	1 5/8" Coax	AT&T
0.00	118.50	Inside	1/2" Fiber	AT&T
0.00	118.50	Inside	3/4" DC	AT&T
0.00	109.00	Inside	1 1/4" Coax	Sprint
0.00	99.50	Inside	1 1/4" Coax	T-Mobile
0.00	85.00	Inside	1.75" Hybrid	Dish Wireless
0.00	50.50	Outside	1/2" Coax	Sprint

Anchor Bolts

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

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	61.0	55.0	Clipped

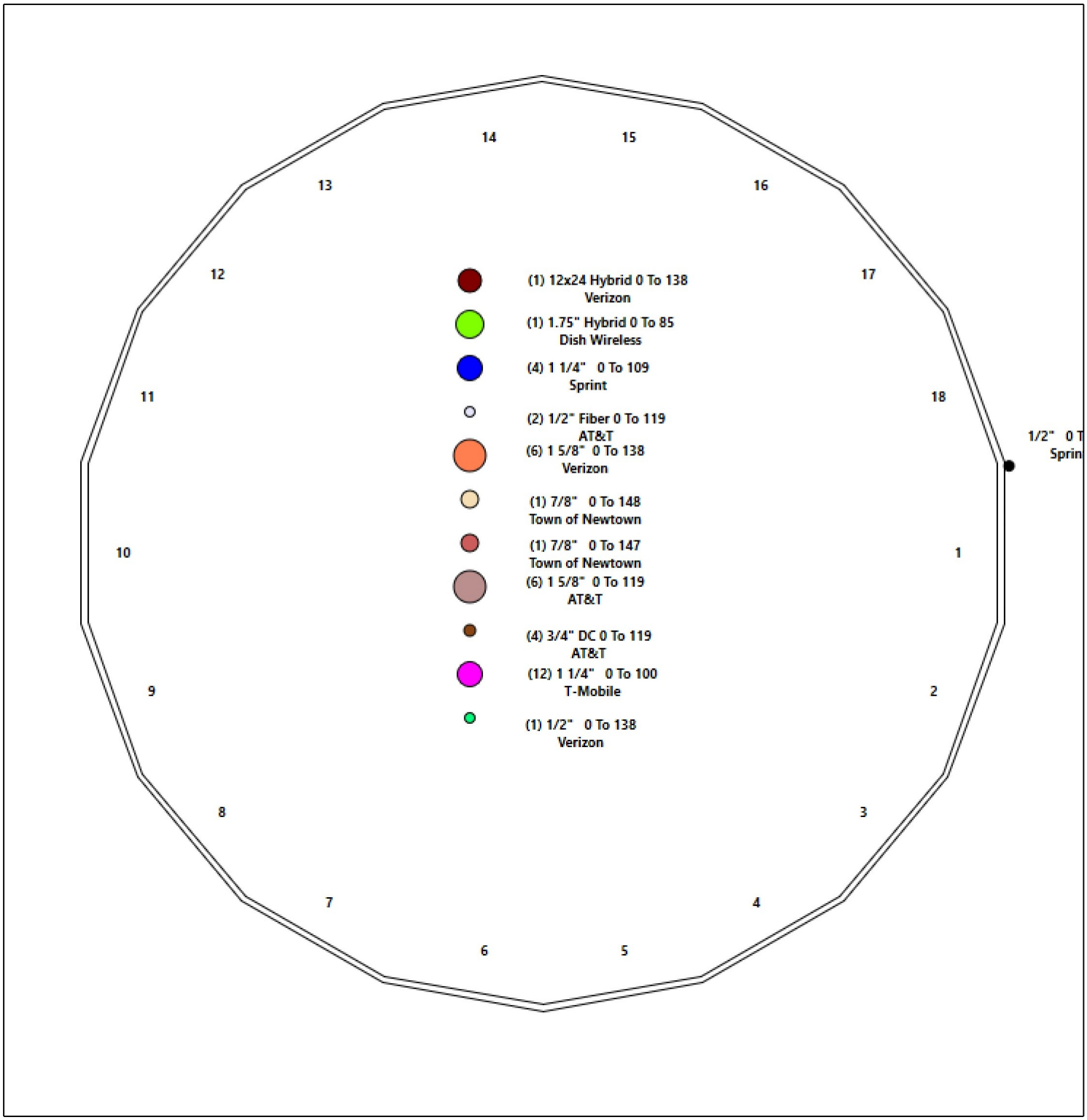
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	3315.4	33.2	45.0
0.9D + 1.6W 93 mph Wind	3286.9	33.2	33.8
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1062.4	10.5	74.6
1.2D + 1.0E	126.1	1.3	45.1
0.9D + 1.0E	125.0	1.3	33.8
1.0D + 1.0W 60 mph Wind	858.1	8.6	37.6

Structure: CT13057-A - Coax Line Placement

Type: Monopole
Site Name: Newtown
Height: 148.00 (ft)

2/18/2022



Shaft Properties

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.3750	65		0.00	9,173
2	18	45.000	0.3125	65	Slip	72.00	6,506
3	18	41.000	0.2500	65	Slip	60.00	3,922
4	18	28.000	0.1875	65	Flange	0.00	1,602
					Total Shaft Weight:		**21,203**

	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	55.43	0.00	65.53	25093.77	24.65	147.81	45.99	45.00	54.29	14270.2	20.21	122.6	0.209831
2	47.87	39.00	47.17	13480.16	25.60	153.19	38.43	84.00	37.81	6939.69	20.27	122.9	0.209831
3	39.98	79.00	31.52	6286.17	26.79	159.91	31.38	120.00	24.70	3022.90	20.72	125.5	0.209831
4	31.38	120.0	18.56	2280.86	28.10	167.33	25.50	148.00	15.06	1219.41	22.57	136.0	0.209831

Load Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 6

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	148.00	DB-TDD6492A-A	1	21.00	2.41	1.00	82.34	5.194	1.00	0.00	5.00
2	148.00	Pipe Mount	1	40.00	2.63	1.00	120.17	8.591	1.00	0.00	2.00
3	148.00	6' Lightning rod	1	6.50	0.38	1.00	42.75	1.466	1.00	0.00	3.00
4	147.00	Standoff	1	40.00	2.63	1.00	120.12	8.587	1.00	0.00	0.00
5	147.00	Trombone	1	6.00	1.00	1.00	14.68	2.712	1.00	0.00	0.00
6	136.50	Swedcom SC-E 6014 Rev2	3	15.00	3.33	0.98	108.90	4.983	0.98	0.00	1.00
7	136.50	JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	326.07	11.232	0.89	0.00	1.00
8	136.50	Samsung MT6407-77A	3	87.10	4.70	0.70	206.40	5.365	0.71	0.00	1.00
9	136.50	Commscope TD-850B-LTE78-43	3	52.91	1.96	0.67	116.88	2.533	0.67	0.00	1.00
10	136.50	Samsung RF4439d-25A RRU	3	74.70	1.87	0.67	150.26	2.426	0.67	0.00	1.00
11	136.50	Samsung RF4440d-13A RRU	3	74.70	1.87	0.67	150.26	2.426	0.67	0.00	1.00
12	136.50	Commscope FE-16148-OVP-B12	1	15.21	1.87	0.50	83.27	2.429	0.50	0.00	1.00
13	136.50	Platform w/ Rails	1	1588.50	23.81	1.00	2961.63	42.745	1.00	0.00	0.00
14	118.50	Powerwave 7770	3	35.00	5.50	0.73	166.32	6.539	0.84	0.00	0.00
15	118.50	Powerwave LGP21401 TMA	6	14.10	1.29	0.70	38.52	2.106	0.70	0.00	0.00
16	118.50	Low Profile Platform	1	1500.00	22.00	1.00	2778.42	39.250	1.00	0.00	0.00
17	118.50	Raycap DC6-48-60-18-8F (24x11"	2	32.80	0.92	0.75	95.08	1.348	1.00	0.00	0.00
18	118.50	RRH Collar Mount	1	250.00	5.00	0.75	846.60	13.523	0.75	0.00	0.00
19	118.50	Kathrein 800-10965	6	108.60	13.81	0.71	398.79	15.352	1.00	0.00	0.00
20	118.50	Ericsson 4449 B5/B12 RRU	3	71.00	1.97	0.67	123.14	2.505	1.00	0.00	0.00
21	118.50	Ericsson RRUS 8843 B2 B66A RRU	3	70.00	1.64	0.67	114.91	2.144	1.00	0.00	0.00
22	118.50	SitePro Sitepro 1 P/N HRK12	1	406.61	9.75	1.00	877.91	19.057	1.00	0.00	0.00
23	118.50	Pipe Mast	3	60.00	1.55	0.75	117.27	3.452	1.00	0.00	0.00
24	109.00	RFS APXVSPP18-C-A20	3	57.00	8.02	0.83	224.42	10.726	0.83	0.00	0.00
25	109.00	RFS APXVTM14-C-I20	3	56.00	6.34	0.85	210.38	7.416	0.85	0.00	0.00
26	109.00	ALU 1900MHz RRH - RRU	3	44.00	3.80	0.67	149.73	5.146	0.67	0.00	0.00
27	109.00	ALU 800 MHz RRH - RRU	3	53.00	2.49	0.67	124.64	3.598	0.67	0.00	0.00
28	109.00	ALU 800MHz RRH Filter	3	8.80	0.78	0.67	25.89	1.407	0.67	0.00	0.00
29	109.00	ALU TD-RRH8x20 - RRU	3	70.00	4.05	0.67	176.29	4.836	0.67	0.00	0.00
30	109.00	RFS ACU-A20-N - RET	4	1.00	0.14	0.50	5.16	0.427	0.50	0.00	0.00
31	109.00	T-Arms w/ Working Platforms	3	350.00	12.00	0.75	586.65	22.142	0.75	0.00	0.00
32	99.50	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	3615.39	58.800	1.00	0.00	0.00
33	99.50	RR65-18-00DPL2	6	13.50	4.36	0.85	107.11	5.303	0.85	0.00	0.00
34	99.50	RFS APXV18-206513-C-A20	3	26.40	5.17	0.84	115.94	7.449	0.84	0.00	0.00
35	99.50	Commscope LNX-6515DS-A1M	3	49.80	11.47	0.80	270.12	14.605	0.80	0.00	0.00
36	99.50	RFS ATMAA1412D-1A2 - TMA	3	13.00	1.17	0.70	38.51	1.921	0.74	0.00	0.00
37	99.50	Kathrein 782 11054 - Bias Ts	3	2.60	0.28	0.70	8.87	0.665	0.71	0.00	0.00
38	85.00	Commscope FFVV-65B-R2	3	70.80	12.27	0.73	311.66	13.306	0.74	0.00	0.00
39	85.00	Fujitsu TA08025-B605 RRU	3	74.95	1.96	0.80	141.59	2.913	0.81	0.00	0.00
40	85.00	Fujitsu TA08025-B604 RRU	3	63.93	1.96	0.76	120.77	2.913	0.77	0.00	0.00
41	85.00	Raycap RDIDC-9181-PF-48	1	21.85	2.01	1.00	74.45	2.450	1.00	0.00	0.00
42	85.00	Platform w/HRK Commscope:	1	1727.00	22.92	1.00	3150.78	48.165	1.00	0.00	0.00
43	50.50	Decibel 260B GPS	1	1.00	0.09	1.00	5.86	0.248	1.00	0.00	0.00
44	50.50	3 ft Standoff	1	40.00	2.63	1.00	112.00	7.983	1.00	0.00	0.00
		Totals:	**114**	**12,952.54**			**31,599.48**				

Linear Appurtenances

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)
Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**		**Exposed Width**	**Exposed**						
0.00	148.00	(1) 7/8" Coax		0.00	Inside						
0.00	147.00	(1) 7/8" Coax		0.00	Inside						
0.00	137.50	(6) 1 5/8" Coax		0.00	Inside						
0.00	137.50	(1) 1/2" Coax		0.00	Inside						
0.00	137.50	(1) 12x24 Hybrid		0.00	Inside						
0.00	118.50	(6) 1 5/8" Coax		0.00	Inside						
0.00	118.50	(2) 1/2" Fiber		0.00	Inside						
0.00	118.50	(4) 3/4" DC		0.00	Inside						
0.00	109.00	(4) 1 1/4" Coax		0.00	Inside						
0.00	99.50	(12) 1 1/4" Coax		0.00	Inside						
0.00	85.00	(1) 1.75" Hybrid		0.00	Inside						
0.00	50.50	(1) 1/2" Coax		0.65	Outside						

Shaft Section Properties

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3750	55.430	65.527	25093.8	24.65	147.81	72.4	891.7	0.0
5.00		0.3750	54.381	64.278	23686.3	24.16	145.02	73.0	857.9	1104.2
10.00		0.3750	53.332	63.029	22332.5	23.67	142.22	73.6	824.8	1083.0
15.00		0.3750	52.283	61.781	21031.3	23.17	139.42	74.1	792.3	1061.8
20.00		0.3750	51.233	60.532	19781.7	22.68	136.62	74.7	760.5	1040.5
25.00		0.3750	50.184	59.283	18582.5	22.19	133.82	75.3	729.3	1019.3
30.00		0.3750	49.135	58.035	17432.9	21.69	131.03	75.9	698.8	998.0
35.00		0.3750	48.086	56.786	16331.6	21.20	128.23	76.5	668.9	976.8
39.00	Bot - Section 2	0.3750	47.247	55.787	15484.8	20.80	125.99	76.9	645.5	766.1
40.00		0.3750	47.037	55.537	15277.7	20.71	125.43	77.0	639.7	349.6
45.00	Top - Section 1	0.3125	46.613	45.922	12437.7	24.89	149.16	0.0	0.0	1724.4
50.00		0.3125	45.563	44.882	11611.2	24.30	145.80	72.8	501.9	772.5
50.50		0.3125	45.459	44.778	11530.6	24.24	145.47	72.9	499.6	76.3
55.00		0.3125	44.514	43.841	10822.2	23.71	142.45	73.5	478.8	678.5
60.00		0.3125	43.465	42.800	10069.7	23.11	139.09	74.2	456.3	737.1
65.00		0.3125	42.416	41.760	9352.9	22.52	135.73	74.9	434.3	719.4
70.00		0.3125	41.367	40.719	8671.0	21.93	132.37	75.6	412.9	701.6
75.00		0.3125	40.318	39.679	8023.1	21.34	129.02	76.3	391.9	683.9
79.00	Bot - Section 3	0.3125	39.478	38.846	7528.6	20.86	126.33	76.9	375.6	534.4
80.00		0.3125	39.269	38.638	7408.3	20.75	125.66	77.0	371.6	238.8
84.00	Top - Section 2	0.2500	38.929	30.691	5801.2	26.05	155.72	0.0	0.0	942.5
85.00		0.2500	38.719	30.524	5707.3	25.90	154.88	70.9	290.3	104.2
90.00		0.2500	37.670	29.692	5252.9	25.16	150.68	71.8	274.7	512.3
95.00		0.2500	36.621	28.859	4823.4	24.42	146.48	72.7	259.4	498.1
99.50		0.2500	35.677	28.110	4457.4	23.75	142.71	73.5	246.1	436.2
100.00		0.2500	35.572	28.027	4417.9	23.68	142.29	73.6	244.6	47.8
105.00		0.2500	34.523	27.194	4035.8	22.94	138.09	74.4	230.3	469.8
109.00		0.2500	33.683	26.528	3746.5	22.35	134.73	75.1	219.1	365.6
110.00		0.2500	33.474	26.362	3676.4	22.20	133.89	75.3	216.3	90.0
115.00		0.2500	32.424	25.529	3339.0	21.46	129.70	76.2	202.8	441.4
118.50		0.2500	31.690	24.947	3115.5	20.94	126.76	76.8	193.6	300.6
120.00	Top - Section 3	0.2500	31.375	24.697	3022.9	20.72	125.50	77.0	189.8	126.7
120.00	Bot - Section 4	0.1875	31.375	18.560	2280.9	27.62	167.33	68.4	143.2	
125.00		0.1875	30.326	17.936	2058.3	27.11	161.74	69.5	133.7	310.5
130.00		0.1875	29.277	17.311	1850.8	26.12	156.14	70.7	124.5	299.8
135.00		0.1875	28.228	16.687	1657.7	25.14	150.55	71.8	115.7	289.2
136.50		0.1875	27.913	16.500	1602.5	24.84	148.87	72.2	113.1	84.7
140.00		0.1875	27.179	16.063	1478.5	24.15	144.95	73.0	107.1	193.9
145.00		0.1875	26.129	15.438	1312.7	23.16	139.36	74.2	98.9	268.0
147.00		0.1875	25.710	15.188	1250.0	22.77	137.12	74.6	95.8	104.2
148.00		0.1875	25.500	15.064	1219.4	22.57	136.00	74.9	94.2	51.5
										21202.9

Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.6W 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		1.00	0.85	17.879	19.67	402.17	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	394.55	0.650	0.000	5.00	23.230	15.10	475.1	0.0	1325.1
10.00		1.00	0.85	17.879	19.67	386.94	0.650	0.000	5.00	22.786	14.81	466.1	0.0	1299.6
15.00		1.00	0.85	17.879	19.67	379.33	0.650	0.000	5.00	22.342	14.52	457.0	0.0	1274.1
20.00		1.00	0.90	18.971	20.87	382.89	0.650	0.000	5.00	21.899	14.23	475.2	0.0	1248.6
25.00		1.00	0.95	19.883	21.87	383.97	0.650	0.000	5.00	21.455	13.95	488.0	0.0	1223.1
30.00		1.00	0.98	20.661	22.73	383.22	0.650	0.000	5.00	21.011	13.66	496.6	0.0	1197.6
35.00		1.00	1.01	21.343	23.48	381.18	0.650	0.000	5.00	20.567	13.37	502.2	0.0	1172.1
39.00	Bot - Section 2	1.00	1.04	21.834	24.02	378.81	0.650	0.000	4.00	16.134	10.49	403.0	0.0	919.3
40.00		1.00	1.04	21.951	24.15	378.14	0.650	0.000	1.00	4.042	2.63	101.5	0.0	419.5
45.00	Top - Section 1	1.00	1.07	22.502	24.75	374.32	0.650	0.000	5.00	19.943	12.96	513.4	0.0	2069.3
50.00		1.00	1.09	23.007	25.31	375.00	0.650	0.000	5.00	19.500	12.67	513.2	0.0	927.0
50.50	Appurtenance(s)	1.00	1.10	23.055	25.36	374.53	0.650	0.000	0.50	1.926	1.25	50.8	0.0	91.5
55.00		1.00	1.12	23.473	25.82	370.06	0.650	0.000	4.50	17.130	11.13	460.0	0.0	814.2
60.00		1.00	1.14	23.907	26.30	364.66	0.650	0.000	5.00	18.612	12.10	509.0	0.0	884.5
65.00		1.00	1.16	24.313	26.74	358.87	0.650	0.000	5.00	18.168	11.81	505.3	0.0	863.2
70.00		1.00	1.17	24.696	27.17	352.73	0.650	0.000	5.00	17.724	11.52	500.7	0.0	842.0
75.00		1.00	1.19	25.057	27.56	346.29	0.650	0.000	5.00	17.280	11.23	495.3	0.0	820.7
79.00	Bot - Section 3	1.00	1.20	25.333	27.87	340.95	0.650	0.000	4.00	13.504	8.78	391.4	0.0	641.3
80.00		1.00	1.21	25.400	27.94	339.58	0.650	0.000	1.00	3.374	2.19	98.0	0.0	286.6
84.00	Top - Section 2	1.00	1.22	25.662	28.23	334.04	0.650	0.000	4.00	13.319	8.66	391.0	0.0	1131.0
85.00	Appurtenance(s)	1.00	1.22	25.726	28.30	336.98	0.650	0.000	1.00	3.285	2.14	96.7	0.0	125.0
90.00		1.00	1.24	26.037	28.64	329.82	0.650	0.000	5.00	16.160	10.50	481.4	0.0	614.7
95.00		1.00	1.25	26.336	28.97	322.47	0.650	0.000	5.00	15.716	10.22	473.5	0.0	597.7
99.50	Appurtenance(s)	1.00	1.26	26.593	29.25	315.69	0.650	0.000	4.50	13.765	8.95	418.8	0.0	523.4
100.00		1.00	1.27	26.621	29.28	314.93	0.650	0.000	0.50	1.507	0.98	45.9	0.0	57.3
105.00		1.00	1.28	26.896	29.59	307.21	0.650	0.000	5.00	14.828	9.64	456.3	0.0	563.7
109.00	Appurtenance(s)	1.00	1.29	27.109	29.82	300.92	0.650	0.000	4.00	11.543	7.50	358.0	0.0	438.7
110.00		1.00	1.29	27.161	29.88	299.34	0.650	0.000	1.00	2.841	1.85	88.3	0.0	108.0
115.00		1.00	1.30	27.416	30.16	291.32	0.650	0.000	5.00	13.941	9.06	437.2	0.0	529.7
118.50	Appurtenance(s)	1.00	1.31	27.590	30.35	285.62	0.650	0.000	3.50	9.494	6.17	299.7	0.0	360.7
120.00	Top - Section 3	1.00	1.32	27.663	30.43	283.15	0.650	0.000	1.50	4.002	2.60	126.7	0.0	152.0
125.00		1.00	1.33	27.902	30.69	274.87	0.650	0.000	5.00	13.053	8.48	416.6	0.0	372.6
130.00		1.00	1.34	28.133	30.95	266.45	0.650	0.000	5.00	12.609	8.20	405.8	0.0	359.8
135.00		1.00	1.35	28.358	31.19	257.93	0.650	0.000	5.00	12.165	7.91	394.6	0.0	347.1
136.50	Appurtenance(s)	1.00	1.35	28.424	31.27	255.35	0.650	0.000	1.50	3.563	2.32	115.9	0.0	101.6
140.00		1.00	1.36	28.576	31.43	249.29	0.650	0.000	3.50	8.158	5.30	266.7	0.0	232.7
145.00		1.00	1.37	28.788	31.67	240.56	0.650	0.000	5.00	11.277	7.33	371.4	0.0	321.6
147.00	Appurtenance(s)	1.00	1.37	28.871	31.76	237.04	0.650	0.000	2.00	4.387	2.85	144.9	0.0	125.1
148.00	Appurtenance(s)	1.00	1.37	28.912	31.80	235.27	0.650	0.000	1.00	2.167	1.41	71.7	0.0	61.8
								Totals:	**148.00**			**13,762.9**		**25,443.5**

Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	148.00	Pipe Mount	1	28.994	31.893	1.00	1.00	2.63	48.00	0.000	2.000	134.21	0.00	268.41
2	148.00	DB-TDD6492A-A	1	29.115	32.026	1.00	1.00	2.41	25.20	0.000	5.000	123.49	0.00	617.47
3	148.00	6' Lightning rod	1	29.034	31.938	1.00	1.00	0.38	7.80	0.000	3.000	19.42	0.00	58.25
4	147.00	Trombone	1	28.871	31.758	1.00	1.00	1.00	7.20	0.000	0.000	50.81	0.00	0.00
5	147.00	Standoff	1	28.871	31.758	1.00	1.00	2.63	48.00	0.000	0.000	133.64	0.00	0.00
6	136.50	Commscope	3	28.467	31.314	0.50	0.75	2.95	190.48	0.000	1.000	148.04	0.00	148.04
7	136.50	Swedcom SC-E 6014	3	28.467	31.314	0.73	0.75	7.34	54.00	0.000	1.000	367.89	0.00	367.89
8	136.50	JMA Wireless	6	28.467	31.314	0.65	0.75	38.64	432.00	0.000	1.000	1936.02	0.00	1936.02
9	136.50	Samsung MT6407-77A	3	28.467	31.314	0.52	0.75	7.40	313.56	0.000	1.000	370.89	0.00	370.89
10	136.50	Samsung RF4440d-13A	3	28.467	31.314	0.50	0.75	2.82	268.92	0.000	1.000	141.24	0.00	141.24
11	136.50	Commscope	1	28.467	31.314	0.38	0.75	0.70	18.25	0.000	1.000	35.13	0.00	35.13
12	136.50	Platform w/ Rails	1	28.424	31.266	1.00	1.00	23.81	1906.20	0.000	0.000	1191.11	0.00	0.00
13	136.50	Samsung RF4439d-25A	3	28.467	31.314	0.50	0.75	2.82	268.92	0.000	1.000	141.24	0.00	141.24
14	118.50	RRH Collar Mount	1	27.590	30.349	0.56	0.75	2.81	300.00	0.000	0.000	136.57	0.00	0.00
15	118.50	Powerwave LGP21401	6	27.590	30.349	0.52	0.75	4.06	101.52	0.000	0.000	197.32	0.00	0.00
16	118.50	Low Profile Platform	1	27.590	30.349	1.00	1.00	22.00	1800.00	0.000	0.000	1068.29	0.00	0.00
17	118.50	Raycap DC6-48-60-18-8F	2	27.590	30.349	0.56	0.75	1.04	78.72	0.000	0.000	50.26	0.00	0.00
18	118.50	Ericsson RRUS 8843 B2	3	27.590	30.349	0.50	0.75	2.47	252.00	0.000	0.000	120.05	0.00	0.00
19	118.50	Kathrein 800-10965	6	27.590	30.349	0.53	0.75	44.12	781.92	0.000	0.000	2142.54	0.00	0.00
20	118.50	Ericsson 4449 B5/B12	3	27.590	30.349	0.50	0.75	2.97	255.60	0.000	0.000	144.21	0.00	0.00
21	118.50	SitePro Sitepro 1 P/N	1	27.590	30.349	1.00	1.00	9.75	487.93	0.000	0.000	473.44	0.00	0.00
22	118.50	Pipe Mast	3	27.590	30.349	0.56	0.75	2.62	216.00	0.000	0.000	127.01	0.00	0.00
23	118.50	Powerwave 7770	3	27.590	30.349	0.55	0.75	9.03	126.00	0.000	0.000	438.66	0.00	0.00
24	109.00	ALU 800 MHz RRH - RRU	3	27.109	29.820	0.54	0.80	4.00	190.80	0.000	0.000	191.03	0.00	0.00
25	109.00	RFS APXVSPP18-C-A20	3	27.109	29.820	0.66	0.80	15.98	205.20	0.000	0.000	762.23	0.00	0.00
26	109.00	RFS APXVTM14-C-I20	3	27.109	29.820	0.68	0.80	12.93	201.60	0.000	0.000	617.08	0.00	0.00
27	109.00	ALU 1900MHz RRH - RRU	3	27.109	29.820	0.54	0.80	6.11	158.40	0.000	0.000	291.54	0.00	0.00
28	109.00	T-Arms w/ Working	3	27.109	29.820	0.56	0.75	20.25	1260.00	0.000	0.000	966.16	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	27.109	29.820	0.54	0.80	1.25	31.68	0.000	0.000	59.84	0.00	0.00
30	109.00	ALU TD-RRH8x20 - RRU	3	27.109	29.820	0.54	0.80	6.51	252.00	0.000	0.000	310.72	0.00	0.00
31	109.00	RFS ACU-A20-N - RET	4	27.109	29.820	0.40	0.80	0.22	4.80	0.000	0.000	10.69	0.00	0.00
32	99.50	Platform w/ Hand Rail	1	26.593	29.253	1.00	1.00	32.00	1920.00	0.000	0.000	1497.74	0.00	0.00
33	99.50	RR65-18-00DPL2	6	26.593	29.253	0.68	0.80	17.79	97.20	0.000	0.000	832.59	0.00	0.00
34	99.50	RFS	3	26.593	29.253	0.67	0.80	10.42	95.04	0.000	0.000	487.83	0.00	0.00
35	99.50	Commscope	3	26.593	29.253	0.64	0.80	22.02	179.28	0.000	0.000	1030.75	0.00	0.00
36	99.50	RFS ATMAA1412D-1A2 -	3	26.593	29.253	0.56	0.80	1.97	46.80	0.000	0.000	92.00	0.00	0.00
37	99.50	Kathrein 782 11054 - Bias	3	26.593	29.253	0.56	0.80	0.47	9.36	0.000	0.000	22.02	0.00	0.00
38	85.00	Platform w/HRK	1	25.726	28.299	1.00	1.00	22.92	2072.40	0.000	0.000	1037.77	0.00	0.00
39	85.00	Raycap	1	25.726	28.299	0.80	0.80	1.61	26.22	0.000	0.000	72.81	0.00	0.00
40	85.00	Fujitsu TA08025-B604	3	25.726	28.299	0.61	0.80	3.58	230.15	0.000	0.000	161.87	0.00	0.00
41	85.00	Fujitsu TA08025-B605	3	25.726	28.299	0.64	0.80	3.76	269.82	0.000	0.000	170.39	0.00	0.00
42	85.00	Commscope	3	25.726	28.299	0.58	0.80	21.50	254.88	0.000	0.000	973.34	0.00	0.00
43	50.50	3 ft Standoff	1	23.055	25.361	1.00	1.00	2.63	48.00	0.000	0.000	106.72	0.00	0.00
44	50.50	Decibel 260B GPS	1	23.055	25.361	1.00	1.00	0.09	1.20	0.000	0.000	3.65	0.00	0.00
							Totals:		**15,543.05**			**19,390.25**		

Total Applied Force Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Load Case: 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		475.15	1500.57	0.00	0.00
10.00		466.07	1475.08	0.00	0.00
15.00		456.99	1449.59	0.00	0.00
20.00		475.25	1424.09	0.00	0.00
25.00		488.01	1398.60	0.00	0.00
30.00		496.61	1373.10	0.00	0.00
35.00		502.16	1347.61	0.00	0.00
39.00		403.00	1059.73	0.00	0.00
40.00		101.50	454.57	0.00	0.00
45.00		513.39	2244.82	0.00	0.00
50.00		513.23	1102.44	0.00	0.00
50.50	(2) attachments	161.16	158.28	0.00	0.00
55.00		460.00	971.25	0.00	0.00
60.00		509.03	1058.99	0.00	0.00
65.00		505.33	1037.74	0.00	0.00
70.00		500.74	1016.50	0.00	0.00
75.00		495.34	995.25	0.00	0.00
79.00		391.37	780.90	0.00	0.00
80.00		98.04	321.48	0.00	0.00
84.00		391.00	1270.63	0.00	0.00
85.00	(11) attachments	2512.86	3013.35	0.00	0.00
90.00		481.36	781.43	0.00	0.00
95.00		473.49	764.43	0.00	0.00
99.50	(19) attachments	4381.70	3021.14	0.00	0.00
100.00		45.90	69.23	0.00	0.00
105.00		456.26	682.92	0.00	0.00
109.00	(25) attachments	3567.27	2838.58	0.00	0.00
110.00		88.29	128.66	0.00	0.00
115.00		437.24	633.09	0.00	0.00
118.50	(29) attachments	5198.02	4832.74	0.00	0.00
120.00		126.66	168.35	0.00	0.00
125.00		416.64	426.96	0.00	0.00
130.00		405.81	414.21	0.00	0.00
135.00		394.65	401.47	0.00	0.00
136.50	(23) attachments	4447.42	3570.28	0.00	3140.45
140.00		266.69	246.68	0.00	0.00
145.00		371.39	327.81	0.00	0.00
147.00	(2) attachments	329.33	182.75	0.00	0.00
148.00	(3) attachments	348.78	143.39	0.00	944.13
	Totals:	**33,153.12**	**45,088.70**	**0.00**	**4,084.58**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.96
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.96
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.96
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	18.971	0.00	0.96
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	19.883	0.00	0.96
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	20.661	0.00	0.96
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	21.343	0.00	0.96
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.013	0.000	21.834	0.00	0.77
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.014	0.000	21.951	0.00	0.19
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	22.502	0.00	0.96
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	23.007	0.00	0.96
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.014	0.000	23.055	0.00	0.10
										Totals:	**0.0**	**9.7**

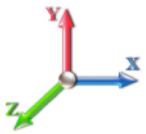
Calculated Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 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	-45.03	-33.23	0.00	-3315.3	0.00	3315.37	4270.00	2135.00	9669.74	4842.06	0.00	0.000	0.000	0.695
5.00	-43.43	-32.89	0.00	-3149.2	0.00	3149.23	4222.20	2111.10	9378.04	4695.99	0.10	-0.183	0.000	0.681
10.00	-41.85	-32.55	0.00	-2984.7	0.00	2984.79	4173.09	2086.54	9087.66	4550.58	0.39	-0.367	0.000	0.666
15.00	-40.30	-32.21	0.00	-2822.0	0.00	2822.04	4122.67	2061.34	8798.75	4405.92	0.87	-0.552	0.000	0.651
20.00	-38.78	-31.85	0.00	-2660.9	0.00	2660.99	4070.95	2035.48	8511.51	4262.08	1.55	-0.738	0.000	0.634
25.00	-37.29	-31.46	0.00	-2501.7	0.00	2501.76	4017.93	2008.97	8226.08	4119.16	2.43	-0.923	0.000	0.617
30.00	-35.82	-31.05	0.00	-2344.4	0.00	2344.46	3963.61	1981.80	7942.65	3977.23	3.49	-1.109	0.000	0.599
35.00	-34.40	-30.62	0.00	-2189.1	0.00	2189.19	3907.97	1953.99	7661.39	3836.39	4.75	-1.294	0.000	0.580
39.00	-33.30	-30.25	0.00	-2066.7	0.00	2066.70	3862.53	1931.27	7438.05	3724.55	5.90	-1.442	0.000	0.564
40.00	-32.79	-30.20	0.00	-2036.4	0.00	2036.45	3851.04	1925.52	7382.46	3696.72	6.21	-1.480	0.000	0.560
45.00	-30.46	-29.72	0.00	-1885.4	0.00	1885.45	2980.94	1490.47	5677.43	2842.94	7.86	-1.662	0.000	0.674
50.00	-29.33	-29.23	0.00	-1736.8	0.00	1736.84	2941.52	1470.76	5474.55	2741.34	9.70	-1.843	0.000	0.644
50.50	-29.12	-29.11	0.00	-1722.2	0.00	1722.23	2937.50	1468.75	5454.31	2731.21	9.89	-1.864	0.000	0.641
55.00	-28.07	-28.71	0.00	-1591.2	0.00	1591.22	2900.79	1450.39	5272.72	2640.28	11.74	-2.048	0.000	0.613
60.00	-26.93	-28.26	0.00	-1447.6	0.00	1447.65	2858.76	1429.38	5072.11	2539.83	13.99	-2.248	0.000	0.580
65.00	-25.83	-27.80	0.00	-1306.3	0.00	1306.36	2815.42	1407.71	4872.91	2440.07	16.45	-2.442	0.000	0.545
70.00	-24.74	-27.33	0.00	-1167.3	0.00	1167.37	2770.78	1385.39	4675.26	2341.11	19.11	-2.630	0.000	0.508
75.00	-23.70	-26.86	0.00	-1030.7	0.00	1030.71	2724.84	1362.42	4479.35	2243.01	21.96	-2.811	0.000	0.469
79.00	-22.90	-26.46	0.00	-923.29	0.00	923.29	2687.14	1343.57	4323.99	2165.21	24.38	-2.949	0.000	0.435
80.00	-22.55	-26.38	0.00	-896.83	0.00	896.83	2677.59	1338.79	4285.35	2145.86	25.00	-2.984	0.000	0.427
84.00	-21.26	-25.95	0.00	-791.32	0.00	791.32	1954.67	977.33	3110.93	1557.78	27.56	-3.113	0.000	0.520
85.00	-18.35	-23.31	0.00	-765.37	0.00	765.37	1948.85	974.42	3084.73	1544.66	28.21	-3.145	0.000	0.505
90.00	-17.53	-22.84	0.00	-648.82	0.00	648.82	1918.95	959.48	2954.04	1479.22	31.60	-3.322	0.000	0.448
95.00	-16.74	-22.36	0.00	-534.64	0.00	534.64	1887.76	943.88	2824.00	1414.10	35.17	-3.482	0.000	0.388
99.50	-13.97	-17.82	0.00	-434.01	0.00	434.01	1858.56	929.28	2707.66	1355.84	38.51	-3.610	0.000	0.328
100.00	-13.88	-17.78	0.00	-425.10	0.00	425.10	1855.26	927.63	2694.78	1349.39	38.89	-3.624	0.000	0.323
105.00	-13.20	-17.31	0.00	-336.18	0.00	336.18	1821.45	910.73	2566.54	1285.18	42.75	-3.747	0.000	0.269
109.00	-10.59	-13.57	0.00	-266.95	0.00	266.95	1793.47	896.73	2464.77	1234.22	45.93	-3.832	0.000	0.222
110.00	-10.46	-13.48	0.00	-253.38	0.00	253.38	1786.34	893.17	2439.46	1221.54	46.73	-3.851	0.000	0.214
115.00	-9.84	-13.02	0.00	-185.96	0.00	185.96	1749.93	874.96	2313.70	1158.57	50.81	-3.936	0.000	0.166
118.50	-5.37	-7.50	0.00	-140.40	0.00	140.40	1723.66	861.83	2226.56	1114.93	53.71	-3.985	0.000	0.129
120.00	-5.21	-7.37	0.00	-129.15	0.00	129.15	1712.21	856.11	2189.45	1096.35	54.97	-4.004	0.000	0.121
120.00	-5.21	-7.37	0.00	-129.15	0.00	129.15	1141.82	570.91	1465.94	734.06	54.97	-4.004	0.000	0.181
125.00	-4.81	-6.92	0.00	-92.32	0.00	92.32	1122.14	561.07	1391.92	696.99	59.19	-4.056	0.000	0.137
130.00	-4.42	-6.49	0.00	-57.71	0.00	57.71	1101.16	550.58	1318.05	660.01	63.46	-4.108	0.000	0.092
135.00	-4.04	-6.07	0.00	-25.24	0.00	25.24	1078.87	539.43	1244.50	623.18	67.78	-4.139	0.000	0.044
136.50	-0.80	-1.38	0.00	-12.99	0.00	12.99	1071.93	535.96	1222.52	612.17	69.08	-4.145	0.000	0.022
140.00	-0.58	-1.09	0.00	-8.17	0.00	8.17	1055.28	527.64	1171.44	586.59	72.12	-4.151	0.000	0.014
145.00	-0.28	-0.70	0.00	-2.70	0.00	2.70	1030.38	515.19	1099.04	550.33	76.47	-4.157	0.000	0.005
147.00	-0.12	-0.36	0.00	-1.30	0.00	1.30	1020.06	510.03	1070.30	535.94	78.21	-4.157	0.000	0.003
148.00	0.00	-0.35	0.00	-0.94	0.00	0.94	1014.82	507.41	1055.98	528.78	79.08	-4.158	0.000	0.002

Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	17.879	19.67	402.17	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	394.55	0.650	0.000	5.00	23.230	15.10	475.1	0.0	993.8
10.00		1.00	0.85	17.879	19.67	386.94	0.650	0.000	5.00	22.786	14.81	466.1	0.0	974.7
15.00		1.00	0.85	17.879	19.67	379.33	0.650	0.000	5.00	22.342	14.52	457.0	0.0	955.6
20.00		1.00	0.90	18.971	20.87	382.89	0.650	0.000	5.00	21.899	14.23	475.2	0.0	936.5
25.00		1.00	0.95	19.883	21.87	383.97	0.650	0.000	5.00	21.455	13.95	488.0	0.0	917.3
30.00		1.00	0.98	20.661	22.73	383.22	0.650	0.000	5.00	21.011	13.66	496.6	0.0	898.2
35.00		1.00	1.01	21.343	23.48	381.18	0.650	0.000	5.00	20.567	13.37	502.2	0.0	879.1
39.00	Bot - Section 2	1.00	1.04	21.834	24.02	378.81	0.650	0.000	4.00	16.134	10.49	403.0	0.0	689.5
40.00		1.00	1.04	21.951	24.15	378.14	0.650	0.000	1.00	4.042	2.63	101.5	0.0	314.6
45.00	Top - Section 1	1.00	1.07	22.502	24.75	374.32	0.650	0.000	5.00	19.943	12.96	513.4	0.0	1552.0
50.00		1.00	1.09	23.007	25.31	375.00	0.650	0.000	5.00	19.500	12.67	513.2	0.0	695.2
50.50	Appurtenance(s)	1.00	1.10	23.055	25.36	374.53	0.650	0.000	0.50	1.926	1.25	50.8	0.0	68.6
55.00		1.00	1.12	23.473	25.82	370.06	0.650	0.000	4.50	17.130	11.13	460.0	0.0	610.6
60.00		1.00	1.14	23.907	26.30	364.66	0.650	0.000	5.00	18.612	12.10	509.0	0.0	663.3
65.00		1.00	1.16	24.313	26.74	358.87	0.650	0.000	5.00	18.168	11.81	505.3	0.0	647.4
70.00		1.00	1.17	24.696	27.17	352.73	0.650	0.000	5.00	17.724	11.52	500.7	0.0	631.5
75.00		1.00	1.19	25.057	27.56	346.29	0.650	0.000	5.00	17.280	11.23	495.3	0.0	615.5
79.00	Bot - Section 3	1.00	1.20	25.333	27.87	340.95	0.650	0.000	4.00	13.504	8.78	391.4	0.0	481.0
80.00		1.00	1.21	25.400	27.94	339.58	0.650	0.000	1.00	3.374	2.19	98.0	0.0	214.9
84.00	Top - Section 2	1.00	1.22	25.662	28.23	334.04	0.650	0.000	4.00	13.319	8.66	391.0	0.0	848.3
85.00	Appurtenance(s)	1.00	1.22	25.726	28.30	336.98	0.650	0.000	1.00	3.285	2.14	96.7	0.0	93.7
90.00		1.00	1.24	26.037	28.64	329.82	0.650	0.000	5.00	16.160	10.50	481.4	0.0	461.0
95.00		1.00	1.25	26.336	28.97	322.47	0.650	0.000	5.00	15.716	10.22	473.5	0.0	448.3
99.50	Appurtenance(s)	1.00	1.26	26.593	29.25	315.69	0.650	0.000	4.50	13.765	8.95	418.8	0.0	392.6
100.00		1.00	1.27	26.621	29.28	314.93	0.650	0.000	0.50	1.507	0.98	45.9	0.0	43.0
105.00		1.00	1.28	26.896	29.59	307.21	0.650	0.000	5.00	14.828	9.64	456.3	0.0	422.8
109.00	Appurtenance(s)	1.00	1.29	27.109	29.82	300.92	0.650	0.000	4.00	11.543	7.50	358.0	0.0	329.1
110.00		1.00	1.29	27.161	29.88	299.34	0.650	0.000	1.00	2.841	1.85	88.3	0.0	81.0
115.00		1.00	1.30	27.416	30.16	291.32	0.650	0.000	5.00	13.941	9.06	437.2	0.0	397.3
118.50	Appurtenance(s)	1.00	1.31	27.590	30.35	285.62	0.650	0.000	3.50	9.494	6.17	299.7	0.0	270.5
120.00	Top - Section 3	1.00	1.32	27.663	30.43	283.15	0.650	0.000	1.50	4.002	2.60	126.7	0.0	114.0
125.00		1.00	1.33	27.902	30.69	274.87	0.650	0.000	5.00	13.053	8.48	416.6	0.0	279.4
130.00		1.00	1.34	28.133	30.95	266.45	0.650	0.000	5.00	12.609	8.20	405.8	0.0	269.9
135.00		1.00	1.35	28.358	31.19	257.93	0.650	0.000	5.00	12.165	7.91	394.6	0.0	260.3
136.50	Appurtenance(s)	1.00	1.35	28.424	31.27	255.35	0.650	0.000	1.50	3.563	2.32	115.9	0.0	76.2
140.00		1.00	1.36	28.576	31.43	249.29	0.650	0.000	3.50	8.158	5.30	266.7	0.0	174.5
145.00		1.00	1.37	28.788	31.67	240.56	0.650	0.000	5.00	11.277	7.33	371.4	0.0	241.2
147.00	Appurtenance(s)	1.00	1.37	28.871	31.76	237.04	0.650	0.000	2.00	4.387	2.85	144.9	0.0	93.8
148.00	Appurtenance(s)	1.00	1.37	28.912	31.80	235.27	0.650	0.000	1.00	2.167	1.41	71.7	0.0	46.3
								Totals:	**148.00**			**13,762.9**		**19,082.6**

Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	148.00	Pipe Mount	1	28.994	31.893	1.00	1.00	2.63	36.00	0.000	2.000	134.21	0.00	268.41
2	148.00	DB-TDD6492A-A	1	29.115	32.026	1.00	1.00	2.41	18.90	0.000	5.000	123.49	0.00	617.47
3	148.00	6' Lightning rod	1	29.034	31.938	1.00	1.00	0.38	5.85	0.000	3.000	19.42	0.00	58.25
4	147.00	Trombone	1	28.871	31.758	1.00	1.00	1.00	5.40	0.000	0.000	50.81	0.00	0.00
5	147.00	Standoff	1	28.871	31.758	1.00	1.00	2.63	36.00	0.000	0.000	133.64	0.00	0.00
6	136.50	Commscope	3	28.467	31.314	0.50	0.75	2.95	142.86	0.000	1.000	148.04	0.00	148.04
7	136.50	Swedcom SC-E 6014	3	28.467	31.314	0.73	0.75	7.34	40.50	0.000	1.000	367.89	0.00	367.89
8	136.50	JMA Wireless	6	28.467	31.314	0.65	0.75	38.64	324.00	0.000	1.000	1936.02	0.00	1936.02
9	136.50	Samsung MT6407-77A	3	28.467	31.314	0.52	0.75	7.40	235.17	0.000	1.000	370.89	0.00	370.89
10	136.50	Samsung RF4440d-13A	3	28.467	31.314	0.50	0.75	2.82	201.69	0.000	1.000	141.24	0.00	141.24
11	136.50	Commscope	1	28.467	31.314	0.38	0.75	0.70	13.69	0.000	1.000	35.13	0.00	35.13
12	136.50	Platform w/ Rails	1	28.424	31.266	1.00	1.00	23.81	1429.65	0.000	0.000	1191.11	0.00	0.00
13	136.50	Samsung RF4439d-25A	3	28.467	31.314	0.50	0.75	2.82	201.69	0.000	1.000	141.24	0.00	141.24
14	118.50	RRH Collar Mount	1	27.590	30.349	0.56	0.75	2.81	225.00	0.000	0.000	136.57	0.00	0.00
15	118.50	Powerwave LGP21401	6	27.590	30.349	0.52	0.75	4.06	76.14	0.000	0.000	197.32	0.00	0.00
16	118.50	Low Profile Platform	1	27.590	30.349	1.00	1.00	22.00	1350.00	0.000	0.000	1068.29	0.00	0.00
17	118.50	Raycap DC6-48-60-18-8F	2	27.590	30.349	0.56	0.75	1.04	59.04	0.000	0.000	50.26	0.00	0.00
18	118.50	Ericsson RRUS 8843 B2	3	27.590	30.349	0.50	0.75	2.47	189.00	0.000	0.000	120.05	0.00	0.00
19	118.50	Kathrein 800-10965	6	27.590	30.349	0.53	0.75	44.12	586.44	0.000	0.000	2142.54	0.00	0.00
20	118.50	Ericsson 4449 B5/B12	3	27.590	30.349	0.50	0.75	2.97	191.70	0.000	0.000	144.21	0.00	0.00
21	118.50	SitePro Sitepro 1 P/N	1	27.590	30.349	1.00	1.00	9.75	365.95	0.000	0.000	473.44	0.00	0.00
22	118.50	Pipe Mast	3	27.590	30.349	0.56	0.75	2.62	162.00	0.000	0.000	127.01	0.00	0.00
23	118.50	Powerwave 7770	3	27.590	30.349	0.55	0.75	9.03	94.50	0.000	0.000	438.66	0.00	0.00
24	109.00	ALU 800 MHz RRH - RRU	3	27.109	29.820	0.54	0.80	4.00	143.10	0.000	0.000	191.03	0.00	0.00
25	109.00	RFS APXVSPP18-C-A20	3	27.109	29.820	0.66	0.80	15.98	153.90	0.000	0.000	762.23	0.00	0.00
26	109.00	RFS APXVTM14-C-I20	3	27.109	29.820	0.68	0.80	12.93	151.20	0.000	0.000	617.08	0.00	0.00
27	109.00	ALU 1900MHz RRH - RRU	3	27.109	29.820	0.54	0.80	6.11	118.80	0.000	0.000	291.54	0.00	0.00
28	109.00	T-Arms w/ Working	3	27.109	29.820	0.56	0.75	20.25	945.00	0.000	0.000	966.16	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	27.109	29.820	0.54	0.80	1.25	23.76	0.000	0.000	59.84	0.00	0.00
30	109.00	ALU TD-RRH8x20 - RRU	3	27.109	29.820	0.54	0.80	6.51	189.00	0.000	0.000	310.72	0.00	0.00
31	109.00	RFS ACU-A20-N - RET	4	27.109	29.820	0.40	0.80	0.22	3.60	0.000	0.000	10.69	0.00	0.00
32	99.50	Platform w/ Hand Rail	1	26.593	29.253	1.00	1.00	32.00	1440.00	0.000	0.000	1497.74	0.00	0.00
33	99.50	RR65-18-00DPL2	6	26.593	29.253	0.68	0.80	17.79	72.90	0.000	0.000	832.59	0.00	0.00
34	99.50	RFS	3	26.593	29.253	0.67	0.80	10.42	71.28	0.000	0.000	487.83	0.00	0.00
35	99.50	Commscope	3	26.593	29.253	0.64	0.80	22.02	134.46	0.000	0.000	1030.75	0.00	0.00
36	99.50	RFS ATMAA1412D-1A2 -	3	26.593	29.253	0.56	0.80	1.97	35.10	0.000	0.000	92.00	0.00	0.00
37	99.50	Kathrein 782 11054 - Bias	3	26.593	29.253	0.56	0.80	0.47	7.02	0.000	0.000	22.02	0.00	0.00
38	85.00	Platform w/HRK	1	25.726	28.299	1.00	1.00	22.92	1554.30	0.000	0.000	1037.77	0.00	0.00
39	85.00	Raycap	1	25.726	28.299	0.80	0.80	1.61	19.67	0.000	0.000	72.81	0.00	0.00
40	85.00	Fujitsu TA08025-B604	3	25.726	28.299	0.61	0.80	3.58	172.61	0.000	0.000	161.87	0.00	0.00
41	85.00	Fujitsu TA08025-B605	3	25.726	28.299	0.64	0.80	3.76	202.37	0.000	0.000	170.39	0.00	0.00
42	85.00	Commscope	3	25.726	28.299	0.58	0.80	21.50	191.16	0.000	0.000	973.34	0.00	0.00
43	50.50	3 ft Standoff	1	23.055	25.361	1.00	1.00	2.63	36.00	0.000	0.000	106.72	0.00	0.00
44	50.50	Decibel 260B GPS	1	23.055	25.361	1.00	1.00	0.09	0.90	0.000	0.000	3.65	0.00	0.00
							Totals:		**11,657.29**			**19,390.25**		

Total Applied Force Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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 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		475.15	1125.43	0.00	0.00
10.00		466.07	1106.31	0.00	0.00
15.00		456.99	1087.19	0.00	0.00
20.00		475.25	1068.07	0.00	0.00
25.00		488.01	1048.95	0.00	0.00
30.00		496.61	1029.83	0.00	0.00
35.00		502.16	1010.71	0.00	0.00
39.00		403.00	794.80	0.00	0.00
40.00		101.50	340.93	0.00	0.00
45.00		513.39	1683.62	0.00	0.00
50.00		513.23	826.83	0.00	0.00
50.50	(2) attachments	161.16	118.71	0.00	0.00
55.00		460.00	728.44	0.00	0.00
60.00		509.03	794.24	0.00	0.00
65.00		505.33	778.31	0.00	0.00
70.00		500.74	762.37	0.00	0.00
75.00		495.34	746.44	0.00	0.00
79.00		391.37	585.68	0.00	0.00
80.00		98.04	241.11	0.00	0.00
84.00		391.00	952.97	0.00	0.00
85.00	(11) attachments	2512.86	2260.02	0.00	0.00
90.00		481.36	586.07	0.00	0.00
95.00		473.49	573.32	0.00	0.00
99.50	(19) attachments	4381.70	2265.85	0.00	0.00
100.00		45.90	51.92	0.00	0.00
105.00		456.26	512.19	0.00	0.00
109.00	(25) attachments	3567.27	2128.93	0.00	0.00
110.00		88.29	96.49	0.00	0.00
115.00		437.24	474.82	0.00	0.00
118.50	(29) attachments	5198.02	3624.56	0.00	0.00
120.00		126.66	126.27	0.00	0.00
125.00		416.64	320.22	0.00	0.00
130.00		405.81	310.66	0.00	0.00
135.00		394.65	301.10	0.00	0.00
136.50	(23) attachments	4447.42	2677.71	0.00	3140.45
140.00		266.69	185.01	0.00	0.00
145.00		371.39	245.86	0.00	0.00
147.00	(2) attachments	329.33	137.07	0.00	0.00
148.00	(3) attachments	348.78	107.54	0.00	944.13
	Totals:	**33,153.12**	**33,816.52**	**0.00**	**4,084.58**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

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	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.72
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.72
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	17.879	0.00	0.72
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	18.971	0.00	0.72
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	19.883	0.00	0.72
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	20.661	0.00	0.72
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	21.343	0.00	0.72
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.013	0.000	21.834	0.00	0.58
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.014	0.000	21.951	0.00	0.14
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	22.502	0.00	0.72
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	23.007	0.00	0.72
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.014	0.000	23.055	0.00	0.07
										Totals:	**0.0**	**7.3**

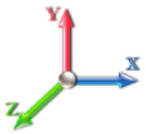
Calculated Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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 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	-33.76	-33.21	0.00	-3286.9	0.00	3286.91	4270.00	2135.00	9669.74	4842.06	0.00	0.000	0.000	0.687
5.00	-32.53	-32.83	0.00	-3120.8	0.00	3120.88	4222.20	2111.10	9378.04	4695.99	0.10	-0.182	0.000	0.673
10.00	-31.33	-32.46	0.00	-2956.7	0.00	2956.71	4173.09	2086.54	9087.66	4550.58	0.39	-0.364	0.000	0.657
15.00	-30.14	-32.09	0.00	-2794.4	0.00	2794.40	4122.67	2061.34	8798.75	4405.92	0.87	-0.547	0.000	0.642
20.00	-28.98	-31.70	0.00	-2633.9	0.00	2633.94	4070.95	2035.48	8511.51	4262.08	1.54	-0.731	0.000	0.625
25.00	-27.83	-31.29	0.00	-2475.4	0.00	2475.45	4017.93	2008.97	8226.08	4119.16	2.40	-0.915	0.000	0.608
30.00	-26.71	-30.86	0.00	-2319.0	0.00	2319.02	3963.61	1981.80	7942.65	3977.23	3.46	-1.098	0.000	0.590
35.00	-25.63	-30.41	0.00	-2164.7	0.00	2164.74	3907.97	1953.99	7661.39	3836.39	4.71	-1.281	0.000	0.571
39.00	-24.79	-30.02	0.00	-2043.1	0.00	2043.12	3862.53	1931.27	7438.05	3724.55	5.85	-1.428	0.000	0.555
40.00	-24.40	-29.96	0.00	-2013.0	0.00	2013.09	3851.04	1925.52	7382.46	3696.72	6.15	-1.465	0.000	0.551
45.00	-22.64	-29.47	0.00	-1863.2	0.00	1863.29	2980.94	1490.47	5677.43	2842.94	7.78	-1.645	0.000	0.663
50.00	-21.78	-28.97	0.00	-1715.9	0.00	1715.92	2941.52	1470.76	5474.55	2741.34	9.60	-1.824	0.000	0.634
50.50	-21.61	-28.85	0.00	-1701.4	0.00	1701.43	2937.50	1468.75	5454.31	2731.21	9.79	-1.845	0.000	0.631
55.00	-20.80	-28.43	0.00	-1571.6	0.00	1571.62	2900.79	1450.39	5272.72	2640.28	11.62	-2.026	0.000	0.603
60.00	-19.94	-27.96	0.00	-1429.4	0.00	1429.47	2858.76	1429.38	5072.11	2539.83	13.85	-2.224	0.000	0.570
65.00	-19.09	-27.49	0.00	-1289.6	0.00	1289.66	2815.42	1407.71	4872.91	2440.07	16.28	-2.416	0.000	0.536
70.00	-18.26	-27.01	0.00	-1152.2	0.00	1152.22	2770.78	1385.39	4675.26	2341.11	18.91	-2.601	0.000	0.499
75.00	-17.47	-26.53	0.00	-1017.1	0.00	1017.16	2724.84	1362.42	4479.35	2243.01	21.73	-2.779	0.000	0.460
79.00	-16.86	-26.14	0.00	-911.04	0.00	911.04	2687.14	1343.57	4323.99	2165.21	24.12	-2.916	0.000	0.427
80.00	-16.59	-26.05	0.00	-884.91	0.00	884.91	2677.59	1338.79	4285.35	2145.86	24.74	-2.950	0.000	0.419
84.00	-15.62	-25.63	0.00	-780.71	0.00	780.71	1954.67	977.33	3110.93	1557.78	27.26	-3.078	0.000	0.510
85.00	-13.46	-23.02	0.00	-755.08	0.00	755.08	1948.85	974.42	3084.73	1544.66	27.91	-3.109	0.000	0.496
90.00	-12.84	-22.55	0.00	-639.97	0.00	639.97	1918.95	959.48	2954.04	1479.22	31.26	-3.283	0.000	0.440
95.00	-12.24	-22.07	0.00	-527.23	0.00	527.23	1887.76	943.88	2824.00	1414.10	34.79	-3.441	0.000	0.380
99.50	-10.22	-17.57	0.00	-427.91	0.00	427.91	1858.56	929.28	2707.66	1355.84	38.09	-3.568	0.000	0.321
100.00	-10.15	-17.53	0.00	-419.12	0.00	419.12	1855.26	927.63	2694.78	1349.39	38.47	-3.582	0.000	0.316
105.00	-9.64	-17.06	0.00	-331.45	0.00	331.45	1821.45	910.73	2566.54	1285.18	42.28	-3.702	0.000	0.264
109.00	-7.74	-13.37	0.00	-263.20	0.00	263.20	1793.47	896.73	2464.77	1234.22	45.42	-3.786	0.000	0.218
110.00	-7.64	-13.28	0.00	-249.82	0.00	249.82	1786.34	893.17	2439.46	1221.54	46.22	-3.806	0.000	0.209
115.00	-7.18	-12.82	0.00	-183.40	0.00	183.40	1749.93	874.96	2313.70	1158.57	50.25	-3.890	0.000	0.163
118.50	-3.91	-7.39	0.00	-138.52	0.00	138.52	1723.66	861.83	2226.56	1114.93	53.12	-3.938	0.000	0.127
120.00	-3.79	-7.26	0.00	-127.43	0.00	127.43	1712.21	856.11	2189.45	1096.35	54.36	-3.956	0.000	0.119
120.00	-3.79	-7.26	0.00	-127.43	0.00	127.43	1141.82	570.91	1465.94	734.06	54.36	-3.956	0.000	0.177
125.00	-3.49	-6.83	0.00	-91.12	0.00	91.12	1122.14	561.07	1391.92	696.99	58.53	-4.007	0.000	0.134
130.00	-3.21	-6.40	0.00	-56.99	0.00	56.99	1101.16	550.58	1318.05	660.01	62.75	-4.058	0.000	0.089
135.00	-2.93	-5.99	0.00	-24.98	0.00	24.98	1078.87	539.43	1244.50	623.18	67.01	-4.090	0.000	0.043
136.50	-0.58	-1.36	0.00	-12.86	0.00	12.86	1071.93	535.96	1222.52	612.17	68.30	-4.095	0.000	0.022
140.00	-0.41	-1.08	0.00	-8.10	0.00	8.10	1055.28	527.64	1171.44	586.59	71.30	-4.102	0.000	0.014
145.00	-0.20	-0.69	0.00	-2.69	0.00	2.69	1030.38	515.19	1099.04	550.33	75.60	-4.107	0.000	0.005
147.00	-0.08	-0.36	0.00	-1.30	0.00	1.30	1020.06	510.03	1070.30	535.94	77.32	-4.108	0.000	0.003
148.00	0.00	-0.35	0.00	-0.94	0.00	0.94	1014.82	507.41	1055.98	528.78	78.18	-4.108	0.000	0.002

Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	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	24.265	29.12	165.5	432.8	1757.9
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	23.896	28.67	163.0	455.8	1755.4
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	23.498	28.20	160.3	466.1	1740.2
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	23.087	27.70	167.1	470.6	1719.2
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	22.670	27.20	172.0	471.9	1695.1
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	22.249	26.70	175.4	471.1	1668.7
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	21.824	26.19	177.7	468.7	1640.8
39.00	Bot - Section 2	1.00	1.04	6.311	6.94	0.00	1.200	1.525	4.00	17.151	20.58	142.9	372.8	1292.1
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	1.00	4.297	5.16	36.0	94.2	513.7
45.00	Top - Section 1	1.00	1.07	6.504	7.15	0.00	1.200	1.547	5.00	21.233	25.48	182.3	466.7	2536.1
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	5.00	20.803	24.96	182.6	461.6	1388.5
50.50	Appurtenance(s)	1.00	1.10	6.664	7.33	0.00	1.200	1.565	0.50	2.056	2.47	18.1	46.1	137.6
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	4.50	18.314	21.98	164.0	410.2	1224.4
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	19.939	23.93	181.9	449.4	1333.9
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	19.506	23.41	180.9	442.6	1305.8
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	19.072	22.89	179.7	435.4	1277.3
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	18.637	22.36	178.2	427.8	1248.5
79.00	Bot - Section 3	1.00	1.20	7.322	8.05	0.00	1.200	1.637	4.00	14.596	17.51	141.1	337.2	978.5
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	1.00	3.647	4.38	35.3	85.0	371.6
84.00	Top - Section 2	1.00	1.22	7.418	8.16	0.00	1.200	1.647	4.00	14.417	17.30	141.2	334.8	1465.8
85.00	Appurtenance(s)	1.00	1.22	7.436	8.18	0.00	1.200	1.649	1.00	3.560	4.27	34.9	83.4	208.4
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	5.00	17.542	21.05	174.3	408.4	1023.1
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	5.00	17.106	20.53	171.9	399.8	997.5
99.50	Appurtenance(s)	1.00	1.26	7.687	8.46	0.00	1.200	1.675	4.50	15.021	18.03	152.4	352.6	876.0
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	0.50	1.647	1.98	16.7	39.1	96.4
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	16.232	19.48	166.6	381.8	945.6
109.00	Appurtenance(s)	1.00	1.29	7.836	8.62	0.00	1.200	1.690	4.00	12.670	15.20	131.0	299.6	738.3
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	1.00	3.123	3.75	32.4	74.5	182.5
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	15.357	18.43	160.6	363.1	892.9
118.50	Appurtenance(s)	1.00	1.31	7.975	8.77	0.00	1.200	1.705	3.50	10.489	12.59	110.4	249.5	610.2
120.00	Top - Section 3	1.00	1.32	7.996	8.80	0.00	1.200	1.707	1.50	4.429	5.31	46.7	106.1	258.1
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	5.00	14.481	17.38	154.2	343.8	716.4
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	5.00	14.043	16.85	150.7	333.9	693.7
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	13.604	16.32	147.2	323.9	671.0
136.50	Appurtenance(s)	1.00	1.35	8.216	9.04	0.00	1.200	1.729	1.50	3.995	4.79	43.3	96.3	197.9
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	3.50	9.169	11.00	100.0	219.6	452.3
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	12.727	15.27	139.8	303.5	625.0
147.00	Appurtenance(s)	1.00	1.37	8.345	9.18	0.00	1.200	1.742	2.00	4.967	5.96	54.7	119.7	244.8
148.00	Appurtenance(s)	1.00	1.37	8.357	9.19	0.00	1.200	1.743	1.00	2.457	2.95	27.1	59.5	121.2
								Totals:	**148.00**			**4,960.2**		**37,602.3**

Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	148.00	Pipe Mount	1	8.381	9.219	1.00	1.00	8.59	105.17	0.000	2.000	79.19	0.00	158.39
2	148.00	DB-TDD6492A-A	1	8.416	9.257	1.00	1.00	5.19	68.94	0.000	5.000	48.08	0.00	240.41
3	148.00	6' Lightning rod	1	8.392	9.232	1.00	1.00	1.47	38.75	0.000	3.000	13.54	0.00	40.61
4	147.00	Trombone	1	8.345	9.180	1.00	1.00	2.71	-5.02	0.000	0.000	24.90	0.00	0.00
5	147.00	Standoff	1	8.345	9.180	1.00	1.00	8.59	105.12	0.000	0.000	78.82	0.00	0.00
6	136.50	Commscope	3	8.229	9.051	0.50	0.75	3.82	382.39	0.000	1.000	34.57	0.00	34.57
7	136.50	Swedcom SC-E 6014	3	8.229	9.051	0.73	0.75	10.99	254.39	0.000	1.000	99.46	0.00	99.46
8	136.50	JMA Wireless	6	8.229	9.051	0.67	0.75	44.88	2028.39	0.000	1.000	406.26	0.00	406.26
9	136.50	Samsung MT6407-77A	3	8.229	9.051	0.53	0.75	8.57	671.46	0.000	1.000	77.57	0.00	77.57
10	136.50	Samsung RF4440d-13A	3	8.229	9.051	0.50	0.75	3.66	495.60	0.000	1.000	33.10	0.00	33.10
11	136.50	Commscope	1	8.229	9.051	0.38	0.75	0.91	86.31	0.000	1.000	8.24	0.00	8.24
12	136.50	Platform w/ Rails	1	8.216	9.037	1.00	1.00	42.75	3067.83	0.000	0.000	386.31	0.00	0.00
13	136.50	Samsung RF4439d-25A	3	8.229	9.051	0.50	0.75	3.66	495.60	0.000	1.000	33.10	0.00	33.10
14	118.50	RRH Collar Mount	1	7.975	8.772	0.56	0.75	7.61	721.60	0.000	0.000	66.73	0.00	0.00
15	118.50	Powerwave LGP21401	6	7.975	8.772	0.52	0.75	6.63	205.43	0.000	0.000	58.20	0.00	0.00
16	118.50	Low Profile Platform	1	7.975	8.772	1.00	1.00	39.25	2778.42	0.000	0.000	344.32	0.00	0.00
17	118.50	Raycap DC6-48-60-18-8F	2	7.975	8.772	0.75	0.75	2.02	169.89	0.000	0.000	17.74	0.00	0.00
18	118.50	Ericsson RRUS 8843 B2	3	7.975	8.772	0.75	0.75	4.82	352.84	0.000	0.000	42.32	0.00	0.00
19	118.50	Kathrein 800-10965	6	7.975	8.772	0.75	0.75	69.09	2523.09	0.000	0.000	606.05	0.00	0.00
20	118.50	Ericsson 4449 B5/B12	3	7.975	8.772	0.75	0.75	5.64	371.21	0.000	0.000	49.44	0.00	0.00
21	118.50	SitePro Sitepro 1 P/N	1	7.975	8.772	1.00	1.00	19.06	1365.84	0.000	0.000	167.17	0.00	0.00
22	118.50	Pipe Mast	3	7.975	8.772	0.75	0.75	7.77	402.82	0.000	0.000	68.14	0.00	0.00
23	118.50	Powerwave 7770	3	7.975	8.772	0.63	0.75	12.36	519.97	0.000	0.000	108.41	0.00	0.00
24	109.00	ALU 800 MHz RRH - RRU	3	7.836	8.619	0.54	0.80	5.79	342.41	0.000	0.000	49.87	0.00	0.00
25	109.00	RFS APXVSPP18-C-A20	3	7.836	8.619	0.66	0.80	21.37	558.96	0.000	0.000	184.16	0.00	0.00
26	109.00	RFS APXVTM14-C-I20	3	7.836	8.619	0.68	0.80	15.13	664.75	0.000	0.000	130.40	0.00	0.00
27	109.00	ALU 1900MHz RRH - RRU	3	7.836	8.619	0.54	0.80	8.28	382.00	0.000	0.000	71.33	0.00	0.00
28	109.00	T-Arms w/ Working	3	7.836	8.619	0.56	0.75	37.37	1759.96	0.000	0.000	322.07	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	7.836	8.619	0.54	0.80	2.26	67.95	0.000	0.000	19.49	0.00	0.00
30	109.00	ALU TD-RRH8x20 - RRU	3	7.836	8.619	0.54	0.80	7.78	570.87	0.000	0.000	67.02	0.00	0.00
31	109.00	RFS ACU-A20-N - RET	4	7.836	8.619	0.40	0.80	0.68	16.24	0.000	0.000	5.89	0.00	0.00
32	99.50	Platform w/ Hand Rail	1	7.687	8.456	1.00	1.00	58.80	3335.39	0.000	0.000	497.19	0.00	0.00
33	99.50	RR65-18-00DPL2	6	7.687	8.456	0.68	0.80	21.63	658.84	0.000	0.000	182.93	0.00	0.00
34	99.50	RFS	3	7.687	8.456	0.67	0.80	15.02	283.55	0.000	0.000	126.98	0.00	0.00
35	99.50	Commscope	3	7.687	8.456	0.64	0.80	28.04	642.84	0.000	0.000	237.11	0.00	0.00
36	99.50	RFS ATMAA1412D-1A2 -	3	7.687	8.456	0.59	0.80	3.41	100.54	0.000	0.000	28.85	0.00	0.00
37	99.50	Kathrein 782 11054 - Bias	3	7.687	8.456	0.57	0.80	1.13	22.47	0.000	0.000	9.58	0.00	0.00
38	85.00	Platform w/HRK	1	7.436	8.180	1.00	1.00	48.16	5073.18	0.000	0.000	393.98	0.00	0.00
39	85.00	Raycap	1	7.436	8.180	0.80	0.80	1.96	48.77	0.000	0.000	16.03	0.00	0.00
40	85.00	Fujitsu TA08025-B604	3	7.436	8.180	0.62	0.80	5.38	398.05	0.000	0.000	44.03	0.00	0.00
41	85.00	Fujitsu TA08025-B605	3	7.436	8.180	0.65	0.80	5.66	500.18	0.000	0.000	46.32	0.00	0.00
42	85.00	Commscope	3	7.436	8.180	0.59	0.80	23.63	-21.85	0.000	0.000	193.30	0.00	0.00
43	50.50	3 ft Standoff	1	6.664	7.331	1.00	1.00	7.98	97.00	0.000	0.000	58.52	0.00	0.00
44	50.50	Decibel 260B GPS	1	6.664	7.331	1.00	1.00	0.25	4.56	0.000	0.000	1.82	0.00	0.00
							Totals:		**32,712.69**			**5,538.55**		

Total Applied Force Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 21

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		165.53	1946.11	0.00	0.00
10.00		163.01	1945.28	0.00	0.00
15.00		160.30	1931.06	0.00	0.00
20.00		167.11	1910.94	0.00	0.00
25.00		171.98	1887.41	0.00	0.00
30.00		175.39	1861.63	0.00	0.00
35.00		177.72	1834.23	0.00	0.00
39.00		142.88	1447.09	0.00	0.00
40.00		35.99	552.47	0.00	0.00
45.00		182.30	2730.27	0.00	0.00
50.00		182.61	1583.06	0.00	0.00
50.50	(2) attachments	78.43	258.64	0.00	0.00
55.00		164.02	1381.42	0.00	0.00
60.00		181.88	1508.38	0.00	0.00
65.00		180.95	1480.32	0.00	0.00
70.00		179.70	1451.85	0.00	0.00
75.00		178.18	1423.03	0.00	0.00
79.00		141.08	1118.09	0.00	0.00
80.00		35.35	406.48	0.00	0.00
84.00		141.16	1605.44	0.00	0.00
85.00	(11) attachments	728.60	6241.58	0.00	0.00
90.00		174.27	1189.87	0.00	0.00
95.00		171.88	1164.22	0.00	0.00
99.50	(19) attachments	1235.06	6069.72	0.00	0.00
100.00		16.73	108.32	0.00	0.00
105.00		166.57	1064.76	0.00	0.00
109.00	(25) attachments	981.29	5196.79	0.00	0.00
110.00		32.37	203.17	0.00	0.00
115.00		160.64	996.23	0.00	0.00
118.50	(29) attachments	1638.93	10093.66	0.00	0.00
120.00		46.75	274.42	0.00	0.00
125.00		154.16	770.76	0.00	0.00
130.00		150.74	748.12	0.00	0.00
135.00		147.19	725.35	0.00	0.00
136.50	(23) attachments	1121.95	7696.18	0.00	692.31
140.00		99.97	466.30	0.00	0.00
145.00		139.79	631.28	0.00	0.00
147.00	(2) attachments	158.44	347.38	0.00	0.00
148.00	(3) attachments	167.92	334.71	0.00	439.40
	Totals:	**10,498.79**	**74,586.01**	**0.00**	**1,131.72**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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 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	1/2" Coax	Yes	5.00	0.000	0.65	1.31	0.00	0.012	0.000	5.168	0.00	13.70
10.00	1/2" Coax	Yes	5.00	0.000	0.65	1.38	0.00	0.012	0.000	5.168	0.00	15.33
15.00	1/2" Coax	Yes	5.00	0.000	0.65	1.43	0.00	0.012	0.000	5.168	0.00	16.38
20.00	1/2" Coax	Yes	5.00	0.000	0.65	1.46	0.00	0.012	0.000	5.483	0.00	17.18
25.00	1/2" Coax	Yes	5.00	0.000	0.65	1.49	0.00	0.013	0.000	5.747	0.00	17.83
30.00	1/2" Coax	Yes	5.00	0.000	0.65	1.51	0.00	0.013	0.000	5.972	0.00	18.38
35.00	1/2" Coax	Yes	5.00	0.000	0.65	1.53	0.00	0.013	0.000	6.169	0.00	18.86
39.00	1/2" Coax	Yes	4.00	0.000	0.65	1.23	0.00	0.013	0.000	6.311	0.00	15.36
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.31	0.00	0.014	0.000	6.345	0.00	3.86
45.00	1/2" Coax	Yes	5.00	0.000	0.65	1.56	0.00	0.014	0.000	6.504	0.00	19.67
50.00	1/2" Coax	Yes	5.00	0.000	0.65	1.57	0.00	0.014	0.000	6.650	0.00	20.02
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.16	0.00	0.014	0.000	6.664	0.00	2.01
										Totals:	**0.0**	**178.6**

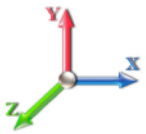
Calculated Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-74.58	-10.54	0.00	-1062.4	0.00	1062.44	4270.00	2135.00	9669.74	4842.06	0.00	0.000	0.000	0.237
5.00	-72.62	-10.45	0.00	-1009.7	0.00	1009.75	4222.20	2111.10	9378.04	4695.99	0.03	-0.059	0.000	0.232
10.00	-70.67	-10.35	0.00	-957.52	0.00	957.52	4173.09	2086.54	9087.66	4550.58	0.13	-0.118	0.000	0.227
15.00	-68.73	-10.26	0.00	-905.76	0.00	905.76	4122.67	2061.34	8798.75	4405.92	0.28	-0.177	0.000	0.222
20.00	-66.81	-10.15	0.00	-854.47	0.00	854.47	4070.95	2035.48	8511.51	4262.08	0.50	-0.237	0.000	0.217
25.00	-64.91	-10.04	0.00	-803.70	0.00	803.70	4017.93	2008.97	8226.08	4119.16	0.78	-0.296	0.000	0.211
30.00	-63.04	-9.92	0.00	-753.50	0.00	753.50	3963.61	1981.80	7942.65	3977.23	1.12	-0.356	0.000	0.205
35.00	-61.20	-9.79	0.00	-703.90	0.00	703.90	3907.97	1953.99	7661.39	3836.39	1.53	-0.415	0.000	0.199
39.00	-59.75	-9.66	0.00	-664.75	0.00	664.75	3862.53	1931.27	7438.05	3724.55	1.89	-0.463	0.000	0.194
40.00	-59.19	-9.66	0.00	-655.08	0.00	655.08	3851.04	1925.52	7382.46	3696.72	1.99	-0.475	0.000	0.193
45.00	-56.45	-9.51	0.00	-606.78	0.00	606.78	2980.94	1490.47	5677.43	2842.94	2.52	-0.534	0.000	0.232
50.00	-54.86	-9.34	0.00	-559.22	0.00	559.22	2941.52	1470.76	5474.55	2741.34	3.11	-0.592	0.000	0.223
50.50	-54.60	-9.30	0.00	-554.55	0.00	554.55	2937.50	1468.75	5454.31	2731.21	3.18	-0.599	0.000	0.222
55.00	-53.21	-9.17	0.00	-512.72	0.00	512.72	2900.79	1450.39	5272.72	2640.28	3.77	-0.658	0.000	0.213
60.00	-51.69	-9.03	0.00	-466.85	0.00	466.85	2858.76	1429.38	5072.11	2539.83	4.49	-0.722	0.000	0.202
65.00	-50.21	-8.89	0.00	-421.70	0.00	421.70	2815.42	1407.71	4872.91	2440.07	5.28	-0.785	0.000	0.191
70.00	-48.75	-8.74	0.00	-377.28	0.00	377.28	2770.78	1385.39	4675.26	2341.11	6.14	-0.846	0.000	0.179
75.00	-47.32	-8.58	0.00	-333.60	0.00	333.60	2724.84	1362.42	4479.35	2243.01	7.06	-0.904	0.000	0.166
79.00	-46.20	-8.44	0.00	-299.29	0.00	299.29	2687.14	1343.57	4323.99	2165.21	7.83	-0.949	0.000	0.155
80.00	-45.79	-8.42	0.00	-290.85	0.00	290.85	2677.59	1338.79	4285.35	2145.86	8.03	-0.960	0.000	0.153
84.00	-44.18	-8.27	0.00	-257.17	0.00	257.17	1954.67	977.33	3110.93	1557.78	8.86	-1.002	0.000	0.188
85.00	-37.95	-7.46	0.00	-248.90	0.00	248.90	1948.85	974.42	3084.73	1544.66	9.07	-1.013	0.000	0.181
90.00	-36.76	-7.30	0.00	-211.62	0.00	211.62	1918.95	959.48	2954.04	1479.22	10.16	-1.070	0.000	0.162
95.00	-35.59	-7.13	0.00	-175.14	0.00	175.14	1887.76	943.88	2824.00	1414.10	11.31	-1.123	0.000	0.143
99.50	-29.55	-5.79	0.00	-143.05	0.00	143.05	1858.56	929.28	2707.66	1355.84	12.39	-1.165	0.000	0.121
100.00	-29.44	-5.78	0.00	-140.16	0.00	140.16	1855.26	927.63	2694.78	1349.39	12.51	-1.169	0.000	0.120
105.00	-28.37	-5.61	0.00	-111.26	0.00	111.26	1821.45	910.73	2566.54	1285.18	13.76	-1.210	0.000	0.102
109.00	-23.19	-4.52	0.00	-88.84	0.00	88.84	1793.47	896.73	2464.77	1234.22	14.79	-1.238	0.000	0.085
110.00	-22.99	-4.49	0.00	-84.31	0.00	84.31	1786.34	893.17	2439.46	1221.54	15.05	-1.245	0.000	0.082
115.00	-22.00	-4.32	0.00	-61.85	0.00	61.85	1749.93	874.96	2313.70	1158.57	16.37	-1.273	0.000	0.066
118.50	-11.94	-2.46	0.00	-46.73	0.00	46.73	1723.66	861.83	2226.56	1114.93	17.31	-1.289	0.000	0.049
120.00	-11.67	-2.41	0.00	-43.05	0.00	43.05	1712.21	856.11	2189.45	1096.35	17.71	-1.295	0.000	0.046
120.00	-11.67	-2.41	0.00	-43.05	0.00	43.05	1141.82	570.91	1465.94	734.06	17.71	-1.295	0.000	0.069
125.00	-10.90	-2.24	0.00	-31.02	0.00	31.02	1122.14	561.07	1391.92	696.99	19.08	-1.313	0.000	0.054
130.00	-10.16	-2.07	0.00	-19.83	0.00	19.83	1101.16	550.58	1318.05	660.01	20.46	-1.330	0.000	0.039
135.00	-9.43	-1.91	0.00	-9.47	0.00	9.47	1078.87	539.43	1244.50	623.18	21.86	-1.341	0.000	0.024
136.50	-1.77	-0.61	0.00	-5.91	0.00	5.91	1071.93	535.96	1222.52	612.17	22.28	-1.344	0.000	0.011
140.00	-1.30	-0.50	0.00	-3.78	0.00	3.78	1055.28	527.64	1171.44	586.59	23.27	-1.347	0.000	0.008
145.00	-0.67	-0.34	0.00	-1.30	0.00	1.30	1030.38	515.19	1099.04	550.33	24.68	-1.349	0.000	0.003
147.00	-0.33	-0.18	0.00	-0.62	0.00	0.62	1020.06	510.03	1070.30	535.94	25.25	-1.349	0.000	0.001
148.00	0.00	-0.17	0.00	-0.44	0.00	0.44	1014.82	507.41	1055.98	528.78	25.53	-1.350	0.000	0.001

Seismic Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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 + 1.0E							**Iterations**	21
Gust Response Factor	1.10				**Sds**	0.22		**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)**	0.35		**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1104.2	0.00	0.03	0.02	25.07	
10.00		1083.0	0.01	0.05	0.03	35.13	
15.00		1061.7	0.02	0.06	0.04	39.41	
20.00		1040.5	0.03	0.07	0.04	41.08	
25.00		1019.2	0.05	0.07	0.04	41.64	
30.00		998.02	0.08	0.07	0.04	41.83	
35.00		976.77	0.11	0.07	0.04	41.95	
39.00	Bot - Section 2	766.12	0.13	0.07	0.03	33.53	
40.00		349.56	0.14	0.07	0.03	15.37	
45.00	Top - Section 1	1724.4	0.17	0.07	0.03	77.01	
50.00		772.46	0.22	0.06	0.02	34.40	
50.50	Appurtenance(s)	117.27	0.22	0.06	0.02	5.21	
55.00		678.49	0.26	0.05	0.02	29.03	
60.00		737.05	0.31	0.04	0.01	28.33	
65.00		719.35	0.36	0.03	0.01	21.87	
70.00		701.65	0.42	0.01	0.01	12.71	
75.00		683.94	0.49	-0.01	0.01	1.48	
79.00	Bot - Section 3	534.41	0.54	-0.03	0.01	-6.26	
80.00		238.81	0.55	-0.04	0.01	-3.61	
84.00	Top - Section 2	942.51	0.61	-0.06	0.02	-26.15	
85.00	Appurtenance(s)	2482.0	0.62	-0.06	0.02	-75.75	
90.00		512.26	0.70	-0.09	0.03	-21.16	
95.00		498.09	0.78	-0.11	0.05	-22.97	
99.50	Appurtenance(s)	2392.5	0.85	-0.12	0.07	-107.76	
100.00		47.76	0.86	-0.12	0.07	-2.13	
105.00		469.76	0.95	-0.12	0.11	-17.34	
109.00	Appurtenance(s)	2286.0	1.03	-0.10	0.14	-60.39	
110.00		89.99	1.04	-0.10	0.15	-2.09	
115.00		441.44	1.14	-0.04	0.21	-1.58	
118.50	Appurtenance(s)	3966.9	1.21	0.02	0.26	54.16	
120.00	Top - Section 3	126.70	1.24	0.05	0.29	2.78	
125.00		310.47	1.35	0.19	0.38	16.57	
130.00		299.84	1.46	0.40	0.49	27.25	
135.00		289.22	1.57	0.70	0.63	38.92	
136.50	Appurtenance(s)	2961.6	1.61	0.80	0.68	441.04	
140.00		193.90	1.69	1.09	0.80	35.80	
145.00		267.97	1.81	1.60	1.00	64.62	
147.00	Appurtenance(s)	150.22	1.86	1.85	1.09	39.90	
148.00	Appurtenance(s)	118.97	1.89	1.98	1.14	33.10	
	Totals:	**34,155.5**				**932.0**	**Total Wind:** **33,153.1**

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

Calculated Forces

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 25

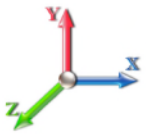
Load Case:	1.2D + 1.0E							**Iterations**	21
Gust Response Factor	1.10				**Sds**	0.22		**Ss**	0.21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.11		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35		**SA**	0.04	**Seismic Importance Factor**		1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.09	-1.28	0.00	-126.13	0.00	126.13	4270.00	2135.00	9669.74	4842.06		0.00	0.00	0.037
5.00	-43.59	-1.26	0.00	-119.72	0.00	119.72	4222.20	2111.10	9378.04	4695.99		0.00	-0.01	0.036
10.00	-42.11	-1.23	0.00	-113.41	0.00	113.41	4173.09	2086.54	9087.66	4550.58		0.01	-0.01	0.035
15.00	-40.66	-1.20	0.00	-107.26	0.00	107.26	4122.67	2061.34	8798.75	4405.92		0.03	-0.02	0.034
20.00	-39.24	-1.16	0.00	-101.28	0.00	101.28	4070.95	2035.48	8511.51	4262.08		0.06	-0.03	0.033
25.00	-37.84	-1.12	0.00	-95.48	0.00	95.48	4017.93	2008.97	8226.08	4119.16		0.09	-0.04	0.033
30.00	-36.47	-1.08	0.00	-89.87	0.00	89.87	3963.61	1981.80	7942.65	3977.23		0.13	-0.04	0.032
35.00	-35.12	-1.04	0.00	-84.45	0.00	84.45	3907.97	1953.99	7661.39	3836.39		0.18	-0.05	0.031
39.00	-34.06	-1.01	0.00	-80.27	0.00	80.27	3862.53	1931.27	7438.05	3724.55		0.22	-0.06	0.030
40.00	-33.60	-1.00	0.00	-79.26	0.00	79.26	3851.04	1925.52	7382.46	3696.72		0.24	-0.06	0.030
45.00	-31.36	-0.92	0.00	-74.27	0.00	74.27	2980.94	1490.47	5677.43	2842.94		0.30	-0.06	0.037
50.00	-30.26	-0.89	0.00	-69.65	0.00	69.65	2941.52	1470.76	5474.55	2741.34		0.37	-0.07	0.036
50.50	-30.10	-0.89	0.00	-69.21	0.00	69.21	2937.50	1468.75	5454.31	2731.21		0.38	-0.07	0.036
55.00	-29.13	-0.86	0.00	-65.22	0.00	65.22	2900.79	1450.39	5272.72	2640.28		0.45	-0.08	0.035
60.00	-28.07	-0.83	0.00	-60.92	0.00	60.92	2858.76	1429.38	5072.11	2539.83		0.54	-0.09	0.034
65.00	-27.03	-0.81	0.00	-56.74	0.00	56.74	2815.42	1407.71	4872.91	2440.07		0.63	-0.10	0.033
70.00	-26.01	-0.80	0.00	-52.67	0.00	52.67	2770.78	1385.39	4675.26	2341.11		0.74	-0.10	0.032
75.00	-25.02	-0.80	0.00	-48.65	0.00	48.65	2724.84	1362.42	4479.35	2243.01		0.85	-0.11	0.031
79.00	-24.24	-0.80	0.00	-45.43	0.00	45.43	2687.14	1343.57	4323.99	2165.21		0.95	-0.12	0.030
80.00	-23.92	-0.81	0.00	-44.63	0.00	44.63	2677.59	1338.79	4285.35	2145.86		0.97	-0.12	0.030
84.00	-22.65	-0.80	0.00	-41.41	0.00	41.41	1954.67	977.33	3110.93	1557.78		1.08	-0.13	0.038
85.00	-19.63	-0.80	0.00	-40.60	0.00	40.60	1948.85	974.42	3084.73	1544.66		1.10	-0.13	0.036
90.00	-18.85	-0.80	0.00	-36.61	0.00	36.61	1918.95	959.48	2954.04	1479.22		1.24	-0.14	0.035
95.00	-18.09	-0.80	0.00	-32.60	0.00	32.60	1887.76	943.88	2824.00	1414.10		1.39	-0.15	0.033
99.50	-15.06	-0.79	0.00	-28.99	0.00	28.99	1858.56	929.28	2707.66	1355.84		1.54	-0.16	0.029
100.00	-15.00	-0.80	0.00	-28.60	0.00	28.60	1855.26	927.63	2694.78	1349.39		1.55	-0.16	0.029
105.00	-14.31	-0.80	0.00	-24.62	0.00	24.62	1821.45	910.73	2566.54	1285.18		1.72	-0.17	0.027
109.00	-11.47	-0.79	0.00	-21.43	0.00	21.43	1793.47	896.73	2464.77	1234.22		1.87	-0.17	0.024
110.00	-11.35	-0.79	0.00	-20.65	0.00	20.65	1786.34	893.17	2439.46	1221.54		1.90	-0.17	0.023
115.00	-10.71	-0.79	0.00	-16.70	0.00	16.70	1749.93	874.96	2313.70	1158.57		2.09	-0.18	0.021
118.50	-5.88	-0.72	0.00	-13.94	0.00	13.94	1723.66	861.83	2226.56	1114.93		2.22	-0.19	0.016
120.00	-5.71	-0.72	0.00	-12.86	0.00	12.86	1712.21	856.11	2189.45	1096.35		2.28	-0.19	0.015
120.00	-5.71	-0.72	0.00	-12.86	0.00	12.86	1141.82	570.91	1465.94	734.06		2.28	-0.19	0.023
125.00	-5.28	-0.70	0.00	-9.29	0.00	9.29	1122.14	561.07	1391.92	696.99		2.48	-0.19	0.018
130.00	-4.87	-0.67	0.00	-5.79	0.00	5.79	1101.16	550.58	1318.05	660.01		2.68	-0.20	0.013
135.00	-4.47	-0.63	0.00	-2.44	0.00	2.44	1078.87	539.43	1244.50	623.18		2.89	-0.20	0.008
136.50	-0.90	-0.18	0.00	-1.50	0.00	1.50	1071.93	535.96	1222.52	612.17		2.96	-0.20	0.003
140.00	-0.65	-0.14	0.00	-0.88	0.00	0.88	1055.28	527.64	1171.44	586.59		3.11	-0.20	0.002
145.00	-0.33	-0.07	0.00	-0.18	0.00	0.18	1030.38	515.19	1099.04	550.33		3.32	-0.20	0.001
147.00	-0.14	-0.03	0.00	-0.03	0.00	0.03	1020.06	510.03	1070.30	535.94		3.40	-0.20	0.000
148.00	0.00	-0.03	0.00	0.00	0.00	0.00	1014.82	507.41	1055.98	528.78		3.45	-0.20	0.000

Seismic Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Load Case:	0.9D + 1.0E					**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.22	**Ss**	0.21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.11	**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.04	**Seismic Importance Factor**	1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1104.2	0.00	0.03	0.02	25.07	
10.00		1083.0	0.01	0.05	0.03	35.13	
15.00		1061.7	0.02	0.06	0.04	39.41	
20.00		1040.5	0.03	0.07	0.04	41.08	
25.00		1019.2	0.05	0.07	0.04	41.64	
30.00		998.02	0.08	0.07	0.04	41.83	
35.00		976.77	0.11	0.07	0.04	41.95	
39.00	Bot - Section 2	766.12	0.13	0.07	0.03	33.53	
40.00		349.56	0.14	0.07	0.03	15.37	
45.00	Top - Section 1	1724.4	0.17	0.07	0.03	77.01	
50.00		772.46	0.22	0.06	0.02	34.40	
50.50	Appurtenance(s)	117.27	0.22	0.06	0.02	5.21	
55.00		678.49	0.26	0.05	0.02	29.03	
60.00		737.05	0.31	0.04	0.01	28.33	
65.00		719.35	0.36	0.03	0.01	21.87	
70.00		701.65	0.42	0.01	0.01	12.71	
75.00		683.94	0.49	-0.01	0.01	1.48	
79.00	Bot - Section 3	534.41	0.54	-0.03	0.01	-6.26	
80.00		238.81	0.55	-0.04	0.01	-3.61	
84.00	Top - Section 2	942.51	0.61	-0.06	0.02	-26.15	
85.00	Appurtenance(s)	2482.0	0.62	-0.06	0.02	-75.75	
90.00		512.26	0.70	-0.09	0.03	-21.16	
95.00		498.09	0.78	-0.11	0.05	-22.97	
99.50	Appurtenance(s)	2392.5	0.85	-0.12	0.07	-107.76	
100.00		47.76	0.86	-0.12	0.07	-2.13	
105.00		469.76	0.95	-0.12	0.11	-17.34	
109.00	Appurtenance(s)	2286.0	1.03	-0.10	0.14	-60.39	
110.00		89.99	1.04	-0.10	0.15	-2.09	
115.00		441.44	1.14	-0.04	0.21	-1.58	
118.50	Appurtenance(s)	3966.9	1.21	0.02	0.26	54.16	
120.00	Top - Section 3	126.70	1.24	0.05	0.29	2.78	
125.00		310.47	1.35	0.19	0.38	16.57	
130.00		299.84	1.46	0.40	0.49	27.25	
135.00		289.22	1.57	0.70	0.63	38.92	
136.50	Appurtenance(s)	2961.6	1.61	0.80	0.68	441.04	
140.00		193.90	1.69	1.09	0.80	35.80	
145.00		267.97	1.81	1.60	1.00	64.62	
147.00	Appurtenance(s)	150.22	1.86	1.85	1.09	39.90	
148.00	Appurtenance(s)	118.97	1.89	1.98	1.14	33.10	
	Totals:	**34,155.5**				**932.0**	**Total Wind:** **33,153.1**

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

Calculated Forces

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

Load Case:	0.9D + 1.0E							**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.22			**Ss**	0.21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.11			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-33.82	-1.28	0.00	-124.97	0.00	124.97	4270.00	2135.00	9669.74	4842.06		0.00	0.00	0.034
5.00	-32.69	-1.26	0.00	-118.57	0.00	118.57	4222.20	2111.10	9378.04	4695.99		0.00	-0.01	0.033
10.00	-31.58	-1.23	0.00	-112.27	0.00	112.27	4173.09	2086.54	9087.66	4550.58		0.01	-0.01	0.032
15.00	-30.50	-1.19	0.00	-106.13	0.00	106.13	4122.67	2061.34	8798.75	4405.92		0.03	-0.02	0.031
20.00	-29.43	-1.15	0.00	-100.17	0.00	100.17	4070.95	2035.48	8511.51	4262.08		0.06	-0.03	0.031
25.00	-28.38	-1.12	0.00	-94.40	0.00	94.40	4017.93	2008.97	8226.08	4119.16		0.09	-0.03	0.030
30.00	-27.35	-1.08	0.00	-88.82	0.00	88.82	3963.61	1981.80	7942.65	3977.23		0.13	-0.04	0.029
35.00	-26.34	-1.04	0.00	-83.44	0.00	83.44	3907.97	1953.99	7661.39	3836.39		0.18	-0.05	0.028
39.00	-25.54	-1.00	0.00	-79.30	0.00	79.30	3862.53	1931.27	7438.05	3724.55		0.22	-0.05	0.028
40.00	-25.20	-0.99	0.00	-78.30	0.00	78.30	3851.04	1925.52	7382.46	3696.72		0.23	-0.06	0.028
45.00	-23.52	-0.91	0.00	-73.35	0.00	73.35	2980.94	1490.47	5677.43	2842.94		0.30	-0.06	0.034
50.00	-22.69	-0.88	0.00	-68.78	0.00	68.78	2941.52	1470.76	5474.55	2741.34		0.37	-0.07	0.033
50.50	-22.57	-0.88	0.00	-68.34	0.00	68.34	2937.50	1468.75	5454.31	2731.21		0.37	-0.07	0.033
55.00	-21.85	-0.85	0.00	-64.40	0.00	64.40	2900.79	1450.39	5272.72	2640.28		0.44	-0.08	0.032
60.00	-21.05	-0.82	0.00	-60.15	0.00	60.15	2858.76	1429.38	5072.11	2539.83		0.53	-0.09	0.031
65.00	-20.27	-0.80	0.00	-56.03	0.00	56.03	2815.42	1407.71	4872.91	2440.07		0.63	-0.09	0.030
70.00	-19.51	-0.79	0.00	-52.02	0.00	52.02	2770.78	1385.39	4675.26	2341.11		0.73	-0.10	0.029
75.00	-18.76	-0.79	0.00	-48.06	0.00	48.06	2724.84	1362.42	4479.35	2243.01		0.84	-0.11	0.028
79.00	-18.18	-0.79	0.00	-44.90	0.00	44.90	2687.14	1343.57	4323.99	2165.21		0.94	-0.12	0.028
80.00	-17.94	-0.79	0.00	-44.11	0.00	44.11	2677.59	1338.79	4285.35	2145.86		0.96	-0.12	0.027
84.00	-16.98	-0.79	0.00	-40.94	0.00	40.94	1954.67	977.33	3110.93	1557.78		1.06	-0.13	0.035
85.00	-14.72	-0.79	0.00	-40.15	0.00	40.15	1948.85	974.42	3084.73	1544.66		1.09	-0.13	0.034
90.00	-14.14	-0.79	0.00	-36.21	0.00	36.21	1918.95	959.48	2954.04	1479.22		1.23	-0.14	0.032
95.00	-13.56	-0.79	0.00	-32.27	0.00	32.27	1887.76	943.88	2824.00	1414.10		1.38	-0.15	0.030
99.50	-11.30	-0.78	0.00	-28.72	0.00	28.72	1858.56	929.28	2707.66	1355.84		1.52	-0.15	0.027
100.00	-11.25	-0.79	0.00	-28.32	0.00	28.32	1855.26	927.63	2694.78	1349.39		1.54	-0.16	0.027
105.00	-10.73	-0.79	0.00	-24.40	0.00	24.40	1821.45	910.73	2566.54	1285.18		1.70	-0.16	0.025
109.00	-8.61	-0.78	0.00	-21.26	0.00	21.26	1793.47	896.73	2464.77	1234.22		1.84	-0.17	0.022
110.00	-8.51	-0.78	0.00	-20.48	0.00	20.48	1786.34	893.17	2439.46	1221.54		1.88	-0.17	0.022
115.00	-8.03	-0.78	0.00	-16.58	0.00	16.58	1749.93	874.96	2313.70	1158.57		2.06	-0.18	0.019
118.50	-4.41	-0.71	0.00	-13.85	0.00	13.85	1723.66	861.83	2226.56	1114.93		2.20	-0.18	0.015
120.00	-4.28	-0.71	0.00	-12.78	0.00	12.78	1712.21	856.11	2189.45	1096.35		2.26	-0.19	0.014
120.00	-4.28	-0.71	0.00	-12.78	0.00	12.78	1141.82	570.91	1465.94	734.06		2.26	-0.19	0.021
125.00	-3.96	-0.69	0.00	-9.23	0.00	9.23	1122.14	561.07	1391.92	696.99		2.45	-0.19	0.017
130.00	-3.65	-0.67	0.00	-5.76	0.00	5.76	1101.16	550.58	1318.05	660.01		2.65	-0.20	0.012
135.00	-3.35	-0.63	0.00	-2.43	0.00	2.43	1078.87	539.43	1244.50	623.18		2.86	-0.20	0.007
136.50	-0.67	-0.18	0.00	-1.49	0.00	1.49	1071.93	535.96	1222.52	612.17		2.92	-0.20	0.003
140.00	-0.49	-0.14	0.00	-0.88	0.00	0.88	1055.28	527.64	1171.44	586.59		3.07	-0.20	0.002
145.00	-0.24	-0.07	0.00	-0.18	0.00	0.18	1030.38	515.19	1099.04	550.33		3.28	-0.20	0.001
147.00	-0.11	-0.03	0.00	-0.03	0.00	0.03	1020.06	510.03	1070.30	535.94		3.36	-0.20	0.000
148.00	0.00	-0.03	0.00	0.00	0.00	0.00	1014.82	507.41	1055.98	528.78		3.41	-0.20	0.000

Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	259.46	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	254.55	0.650	0.000	5.00	23.230	15.10	123.6	0.0	1104.2
10.00		1.00	0.85	7.442	8.19	249.64	0.650	0.000	5.00	22.786	14.81	121.2	0.0	1083.0
15.00		1.00	0.85	7.442	8.19	244.73	0.650	0.000	5.00	22.342	14.52	118.9	0.0	1061.8
20.00		1.00	0.90	7.896	8.69	247.03	0.650	0.000	5.00	21.899	14.23	123.6	0.0	1040.5
25.00		1.00	0.95	8.276	9.10	247.72	0.650	0.000	5.00	21.455	13.95	127.0	0.0	1019.3
30.00		1.00	0.98	8.600	9.46	247.24	0.650	0.000	5.00	21.011	13.66	129.2	0.0	998.0
35.00		1.00	1.01	8.883	9.77	245.92	0.650	0.000	5.00	20.567	13.37	130.6	0.0	976.8
39.00	Bot - Section 2	1.00	1.04	9.088	10.00	244.40	0.650	0.000	4.00	16.134	10.49	104.8	0.0	766.1
40.00		1.00	1.04	9.137	10.05	243.96	0.650	0.000	1.00	4.042	2.63	26.4	0.0	349.6
45.00	Top - Section 1	1.00	1.07	9.366	10.30	241.49	0.650	0.000	5.00	19.943	12.96	133.6	0.0	1724.4
50.00		1.00	1.09	9.576	10.53	241.94	0.650	0.000	5.00	19.500	12.67	133.5	0.0	772.5
50.50	Appurtenance(s)	1.00	1.10	9.596	10.56	241.63	0.650	0.000	0.50	1.926	1.25	13.2	0.0	76.3
55.00		1.00	1.12	9.770	10.75	238.75	0.650	0.000	4.50	17.130	11.13	119.7	0.0	678.5
60.00		1.00	1.14	9.951	10.95	235.27	0.650	0.000	5.00	18.612	12.10	132.4	0.0	737.1
65.00		1.00	1.16	10.120	11.13	231.53	0.650	0.000	5.00	18.168	11.81	131.5	0.0	719.4
70.00		1.00	1.17	10.279	11.31	227.57	0.650	0.000	5.00	17.724	11.52	130.3	0.0	701.6
75.00		1.00	1.19	10.430	11.47	223.42	0.650	0.000	5.00	17.280	11.23	128.9	0.0	683.9
79.00	Bot - Section 3	1.00	1.20	10.544	11.60	219.96	0.650	0.000	4.00	13.504	8.78	101.8	0.0	534.4
80.00		1.00	1.21	10.572	11.63	219.09	0.650	0.000	1.00	3.374	2.19	25.5	0.0	238.8
84.00	Top - Section 2	1.00	1.22	10.681	11.75	215.51	0.650	0.000	4.00	13.319	8.66	101.7	0.0	942.5
85.00	Appurtenance(s)	1.00	1.22	10.708	11.78	217.40	0.650	0.000	1.00	3.285	2.14	25.2	0.0	104.2
90.00		1.00	1.24	10.838	11.92	212.79	0.650	0.000	5.00	16.160	10.50	125.2	0.0	512.3
95.00		1.00	1.25	10.962	12.06	208.04	0.650	0.000	5.00	15.716	10.22	123.2	0.0	498.1
99.50	Appurtenance(s)	1.00	1.26	11.069	12.18	203.67	0.650	0.000	4.50	13.765	8.95	108.9	0.0	436.2
100.00		1.00	1.27	11.081	12.19	203.18	0.650	0.000	0.50	1.507	0.98	11.9	0.0	47.8
105.00		1.00	1.28	11.195	12.31	198.20	0.650	0.000	5.00	14.828	9.64	118.7	0.0	469.8
109.00	Appurtenance(s)	1.00	1.29	11.284	12.41	194.14	0.650	0.000	4.00	11.543	7.50	93.1	0.0	365.6
110.00		1.00	1.29	11.305	12.44	193.12	0.650	0.000	1.00	2.841	1.85	23.0	0.0	90.0
115.00		1.00	1.30	11.412	12.55	187.95	0.650	0.000	5.00	13.941	9.06	113.7	0.0	441.4
118.50	Appurtenance(s)	1.00	1.31	11.484	12.63	184.27	0.650	0.000	3.50	9.494	6.17	78.0	0.0	300.6
120.00	Top - Section 3	1.00	1.32	11.514	12.67	182.68	0.650	0.000	1.50	4.002	2.60	33.0	0.0	126.7
125.00		1.00	1.33	11.614	12.78	177.33	0.650	0.000	5.00	13.053	8.48	108.4	0.0	310.5
130.00		1.00	1.34	11.710	12.88	171.91	0.650	0.000	5.00	12.609	8.20	105.6	0.0	299.8
135.00		1.00	1.35	11.803	12.98	166.41	0.650	0.000	5.00	12.165	7.91	102.7	0.0	289.2
136.50	Appurtenance(s)	1.00	1.35	11.831	13.01	164.74	0.650	0.000	1.50	3.563	2.32	30.1	0.0	84.7
140.00		1.00	1.36	11.894	13.08	160.83	0.650	0.000	3.50	8.158	5.30	69.4	0.0	193.9
145.00		1.00	1.37	11.982	13.18	155.20	0.650	0.000	5.00	11.277	7.33	96.6	0.0	268.0
147.00	Appurtenance(s)	1.00	1.37	12.017	13.22	152.93	0.650	0.000	2.00	4.387	2.85	37.7	0.0	104.2
148.00	Appurtenance(s)	1.00	1.37	12.034	13.24	151.79	0.650	0.000	1.00	2.167	1.41	18.6	0.0	51.5
								Totals:	**148.00**			**3,580.4**		**21,202.9**

Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	148.00	Pipe Mount	1	12.068	13.275	1.00	1.00	2.63	40.00	0.000	2.000	34.91	0.00	69.83
2	148.00	DB-TDD6492A-A	1	12.119	13.330	1.00	1.00	2.41	21.00	0.000	5.000	32.13	0.00	160.63
3	148.00	6' Lightning rod	1	12.085	13.294	1.00	1.00	0.38	6.50	0.000	3.000	5.05	0.00	15.15
4	147.00	Trombone	1	12.017	13.219	1.00	1.00	1.00	6.00	0.000	0.000	13.22	0.00	0.00
5	147.00	Standoff	1	12.017	13.219	1.00	1.00	2.63	40.00	0.000	0.000	34.76	0.00	0.00
6	136.50	Commscope	3	11.849	13.034	0.50	0.75	2.95	158.73	0.000	1.000	38.51	0.00	38.51
7	136.50	Swedcom SC-E 6014	3	11.849	13.034	0.73	0.75	7.34	45.00	0.000	1.000	95.70	0.00	95.70
8	136.50	JMA Wireless	6	11.849	13.034	0.65	0.75	38.64	360.00	0.000	1.000	503.65	0.00	503.65
9	136.50	Samsung MT6407-77A	3	11.849	13.034	0.52	0.75	7.40	261.30	0.000	1.000	96.48	0.00	96.48
10	136.50	Samsung RF4440d-13A	3	11.849	13.034	0.50	0.75	2.82	224.10	0.000	1.000	36.74	0.00	36.74
11	136.50	Commscope	1	11.849	13.034	0.38	0.75	0.70	15.21	0.000	1.000	9.14	0.00	9.14
12	136.50	Platform w/ Rails	1	11.831	13.014	1.00	1.00	23.81	1588.50	0.000	0.000	309.86	0.00	0.00
13	136.50	Samsung RF4439d-25A	3	11.849	13.034	0.50	0.75	2.82	224.10	0.000	1.000	36.74	0.00	36.74
14	118.50	RRH Collar Mount	1	11.484	12.632	0.56	0.75	2.81	250.00	0.000	0.000	35.53	0.00	0.00
15	118.50	Powerwave LGP21401	6	11.484	12.632	0.52	0.75	4.06	84.60	0.000	0.000	51.33	0.00	0.00
16	118.50	Low Profile Platform	1	11.484	12.632	1.00	1.00	22.00	1500.00	0.000	0.000	277.91	0.00	0.00
17	118.50	Raycap DC6-48-60-18-8F	2	11.484	12.632	0.56	0.75	1.04	65.60	0.000	0.000	13.07	0.00	0.00
18	118.50	Ericsson RRUS 8843 B2	3	11.484	12.632	0.50	0.75	2.47	210.00	0.000	0.000	31.23	0.00	0.00
19	118.50	Kathrein 800-10965	6	11.484	12.632	0.53	0.75	44.12	651.60	0.000	0.000	557.37	0.00	0.00
20	118.50	Ericsson 4449 B5/B12	3	11.484	12.632	0.50	0.75	2.97	213.00	0.000	0.000	37.51	0.00	0.00
21	118.50	SitePro Sitepro 1 P/N	1	11.484	12.632	1.00	1.00	9.75	406.61	0.000	0.000	123.16	0.00	0.00
22	118.50	Pipe Mast	3	11.484	12.632	0.56	0.75	2.62	180.00	0.000	0.000	33.04	0.00	0.00
23	118.50	Powerwave 7770	3	11.484	12.632	0.55	0.75	9.03	105.00	0.000	0.000	114.12	0.00	0.00
24	109.00	ALU 800 MHz RRH - RRU	3	11.284	12.412	0.54	0.80	4.00	159.00	0.000	0.000	49.70	0.00	0.00
25	109.00	RFS APXVSPP18-C-A20	3	11.284	12.412	0.66	0.80	15.98	171.00	0.000	0.000	198.29	0.00	0.00
26	109.00	RFS APXVTM14-C-I20	3	11.284	12.412	0.68	0.80	12.93	168.00	0.000	0.000	160.53	0.00	0.00
27	109.00	ALU 1900MHz RRH - RRU	3	11.284	12.412	0.54	0.80	6.11	132.00	0.000	0.000	75.84	0.00	0.00
28	109.00	T-Arms w/ Working	3	11.284	12.412	0.56	0.75	20.25	1050.00	0.000	0.000	251.34	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	11.284	12.412	0.54	0.80	1.25	26.40	0.000	0.000	15.57	0.00	0.00
30	109.00	ALU TD-RRH8x20 - RRU	3	11.284	12.412	0.54	0.80	6.51	210.00	0.000	0.000	80.83	0.00	0.00
31	109.00	RFS ACU-A20-N - RET	4	11.284	12.412	0.40	0.80	0.22	4.00	0.000	0.000	2.78	0.00	0.00
32	99.50	Platform w/ Hand Rail	1	11.069	12.176	1.00	1.00	32.00	1600.00	0.000	0.000	389.63	0.00	0.00
33	99.50	RR65-18-00DPL2	6	11.069	12.176	0.68	0.80	17.79	81.00	0.000	0.000	216.60	0.00	0.00
34	99.50	RFS	3	11.069	12.176	0.67	0.80	10.42	79.20	0.000	0.000	126.91	0.00	0.00
35	99.50	Commscope	3	11.069	12.176	0.64	0.80	22.02	149.40	0.000	0.000	268.14	0.00	0.00
36	99.50	RFS ATMAA1412D-1A2 -	3	11.069	12.176	0.56	0.80	1.97	39.00	0.000	0.000	23.93	0.00	0.00
37	99.50	Kathrein 782 11054 - Bias	3	11.069	12.176	0.56	0.80	0.47	7.80	0.000	0.000	5.73	0.00	0.00
38	85.00	Platform w/HRK	1	10.708	11.779	1.00	1.00	22.92	1727.00	0.000	0.000	269.97	0.00	0.00
39	85.00	Raycap	1	10.708	11.779	0.80	0.80	1.61	21.85	0.000	0.000	18.94	0.00	0.00
40	85.00	Fujitsu TA08025-B604	3	10.708	11.779	0.61	0.80	3.58	191.79	0.000	0.000	42.11	0.00	0.00
41	85.00	Fujitsu TA08025-B605	3	10.708	11.779	0.64	0.80	3.76	224.85	0.000	0.000	44.33	0.00	0.00
42	85.00	Commscope	3	10.708	11.779	0.58	0.80	21.50	212.40	0.000	0.000	253.21	0.00	0.00
43	50.50	3 ft Standoff	1	9.596	10.556	1.00	1.00	2.63	40.00	0.000	0.000	27.76	0.00	0.00
44	50.50	Decibel 260B GPS	1	9.596	10.556	1.00	1.00	0.09	1.00	0.000	0.000	0.95	0.00	0.00
							Totals:		**12,952.54**			**5,044.29**		

Total Applied Force Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

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		123.61	1250.48	0.00	0.00
10.00		121.25	1229.23	0.00	0.00
15.00		118.88	1207.99	0.00	0.00
20.00		123.63	1186.74	0.00	0.00
25.00		126.95	1165.50	0.00	0.00
30.00		129.19	1144.25	0.00	0.00
35.00		130.63	1123.01	0.00	0.00
39.00		104.84	883.11	0.00	0.00
40.00		26.41	378.81	0.00	0.00
45.00		133.56	1870.68	0.00	0.00
50.00		133.51	918.70	0.00	0.00
50.50	(2) attachments	41.92	131.90	0.00	0.00
55.00		119.67	809.38	0.00	0.00
60.00		132.42	882.49	0.00	0.00
65.00		131.46	864.79	0.00	0.00
70.00		130.26	847.08	0.00	0.00
75.00		128.86	829.38	0.00	0.00
79.00		101.81	650.75	0.00	0.00
80.00		25.50	267.90	0.00	0.00
84.00		101.72	1058.86	0.00	0.00
85.00	(11) attachments	653.71	2511.13	0.00	0.00
90.00		125.22	651.19	0.00	0.00
95.00		123.18	637.03	0.00	0.00
99.50	(19) attachments	1139.88	2517.61	0.00	0.00
100.00		11.94	57.69	0.00	0.00
105.00		118.69	569.10	0.00	0.00
109.00	(25) attachments	928.01	2365.48	0.00	0.00
110.00		22.97	107.21	0.00	0.00
115.00		113.75	527.57	0.00	0.00
118.50	(29) attachments	1352.24	4027.28	0.00	0.00
120.00		32.95	140.30	0.00	0.00
125.00		108.39	355.80	0.00	0.00
130.00		105.57	345.18	0.00	0.00
135.00		102.67	334.56	0.00	0.00
136.50	(23) attachments	1156.98	2975.24	0.00	816.97
140.00		69.38	205.57	0.00	0.00
145.00		96.62	273.17	0.00	0.00
147.00	(2) attachments	85.67	152.30	0.00	0.00
148.00	(3) attachments	90.73	119.49	0.00	245.61
	Totals:	**8,624.64**	**37,573.92**	**0.00**	**1,062.59**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

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	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	7.442	0.00	0.80
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	7.442	0.00	0.80
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	7.442	0.00	0.80
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.012	0.000	7.896	0.00	0.80
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	8.276	0.00	0.80
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	8.600	0.00	0.80
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.013	0.000	8.883	0.00	0.80
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.013	0.000	9.088	0.00	0.64
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.014	0.000	9.137	0.00	0.16
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	9.366	0.00	0.80
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.014	0.000	9.576	0.00	0.80
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.014	0.000	9.596	0.00	0.08
										Totals:	**0.0**	**8.1**

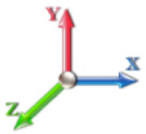
Calculated Forces

Structure:	CT13057-A	**Code:**	EIA/TIA-222-G	2/18/2022	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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	-37.57	-8.64	0.00	-858.08	0.00	858.08	4270.00	2135.00	9669.74	4842.06	0.00	0.000	0.000	0.186
5.00	-36.31	-8.55	0.00	-814.88	0.00	814.88	4222.20	2111.10	9378.04	4695.99	0.03	-0.047	0.000	0.182
10.00	-35.08	-8.45	0.00	-772.15	0.00	772.15	4173.09	2086.54	9087.66	4550.58	0.10	-0.095	0.000	0.178
15.00	-33.86	-8.36	0.00	-729.90	0.00	729.90	4122.67	2061.34	8798.75	4405.92	0.23	-0.143	0.000	0.174
20.00	-32.67	-8.26	0.00	-688.10	0.00	688.10	4070.95	2035.48	8511.51	4262.08	0.40	-0.191	0.000	0.169
25.00	-31.50	-8.15	0.00	-646.81	0.00	646.81	4017.93	2008.97	8226.08	4119.16	0.63	-0.239	0.000	0.165
30.00	-30.35	-8.04	0.00	-606.04	0.00	606.04	3963.61	1981.80	7942.65	3977.23	0.90	-0.287	0.000	0.160
35.00	-29.22	-7.93	0.00	-565.82	0.00	565.82	3907.97	1953.99	7661.39	3836.39	1.23	-0.335	0.000	0.155
39.00	-28.33	-7.83	0.00	-534.10	0.00	534.10	3862.53	1931.27	7438.05	3724.55	1.53	-0.373	0.000	0.151
40.00	-27.95	-7.82	0.00	-526.26	0.00	526.26	3851.04	1925.52	7382.46	3696.72	1.61	-0.383	0.000	0.150
45.00	-26.07	-7.69	0.00	-487.18	0.00	487.18	2980.94	1490.47	5677.43	2842.94	2.03	-0.430	0.000	0.180
50.00	-25.15	-7.56	0.00	-448.73	0.00	448.73	2941.52	1470.76	5474.55	2741.34	2.51	-0.477	0.000	0.172
50.50	-25.02	-7.53	0.00	-444.94	0.00	444.94	2937.50	1468.75	5454.31	2731.21	2.56	-0.482	0.000	0.171
55.00	-24.20	-7.42	0.00	-411.06	0.00	411.06	2900.79	1450.39	5272.72	2640.28	3.04	-0.530	0.000	0.164
60.00	-23.32	-7.30	0.00	-373.94	0.00	373.94	2858.76	1429.38	5072.11	2539.83	3.62	-0.581	0.000	0.155
65.00	-22.45	-7.18	0.00	-337.41	0.00	337.41	2815.42	1407.71	4872.91	2440.07	4.25	-0.631	0.000	0.146
70.00	-21.59	-7.06	0.00	-301.50	0.00	301.50	2770.78	1385.39	4675.26	2341.11	4.94	-0.680	0.000	0.137
75.00	-20.76	-6.94	0.00	-266.19	0.00	266.19	2724.84	1362.42	4479.35	2243.01	5.68	-0.727	0.000	0.126
79.00	-20.11	-6.83	0.00	-238.44	0.00	238.44	2687.14	1343.57	4323.99	2165.21	6.30	-0.762	0.000	0.118
80.00	-19.84	-6.81	0.00	-231.61	0.00	231.61	2677.59	1338.79	4285.35	2145.86	6.47	-0.771	0.000	0.115
84.00	-18.78	-6.70	0.00	-204.36	0.00	204.36	1954.67	977.33	3110.93	1557.78	7.13	-0.805	0.000	0.141
85.00	-16.28	-6.02	0.00	-197.66	0.00	197.66	1948.85	974.42	3084.73	1544.66	7.30	-0.813	0.000	0.136
90.00	-15.62	-5.90	0.00	-167.55	0.00	167.55	1918.95	959.48	2954.04	1479.22	8.17	-0.858	0.000	0.121
95.00	-14.98	-5.78	0.00	-138.05	0.00	138.05	1887.76	943.88	2824.00	1414.10	9.09	-0.900	0.000	0.106
99.50	-12.48	-4.60	0.00	-112.06	0.00	112.06	1858.56	929.28	2707.66	1355.84	9.96	-0.933	0.000	0.089
100.00	-12.42	-4.59	0.00	-109.76	0.00	109.76	1855.26	927.63	2694.78	1349.39	10.06	-0.937	0.000	0.088
105.00	-11.85	-4.47	0.00	-86.80	0.00	86.80	1821.45	910.73	2566.54	1285.18	11.06	-0.968	0.000	0.074
109.00	-9.50	-3.50	0.00	-68.93	0.00	68.93	1793.47	896.73	2464.77	1234.22	11.88	-0.990	0.000	0.061
110.00	-9.40	-3.48	0.00	-65.43	0.00	65.43	1786.34	893.17	2439.46	1221.54	12.08	-0.995	0.000	0.059
115.00	-8.87	-3.36	0.00	-48.03	0.00	48.03	1749.93	874.96	2313.70	1158.57	13.14	-1.017	0.000	0.047
118.50	-4.87	-1.94	0.00	-36.27	0.00	36.27	1723.66	861.83	2226.56	1114.93	13.89	-1.030	0.000	0.035
120.00	-4.73	-1.90	0.00	-33.36	0.00	33.36	1712.21	856.11	2189.45	1096.35	14.21	-1.035	0.000	0.033
120.00	-4.73	-1.90	0.00	-33.36	0.00	33.36	1141.82	570.91	1465.94	734.06	14.21	-1.035	0.000	0.050
125.00	-4.37	-1.79	0.00	-23.86	0.00	23.86	1122.14	561.07	1391.92	696.99	15.31	-1.048	0.000	0.038
130.00	-4.03	-1.68	0.00	-14.92	0.00	14.92	1101.16	550.58	1318.05	660.01	16.41	-1.061	0.000	0.026
135.00	-3.70	-1.57	0.00	-6.53	0.00	6.53	1078.87	539.43	1244.50	623.18	17.53	-1.070	0.000	0.014
136.50	-0.74	-0.36	0.00	-3.36	0.00	3.36	1071.93	535.96	1222.52	612.17	17.86	-1.071	0.000	0.006
140.00	-0.54	-0.28	0.00	-2.12	0.00	2.12	1055.28	527.64	1171.44	586.59	18.65	-1.073	0.000	0.004
145.00	-0.27	-0.18	0.00	-0.70	0.00	0.70	1030.38	515.19	1099.04	550.33	19.77	-1.074	0.000	0.002
147.00	-0.12	-0.09	0.00	-0.34	0.00	0.34	1020.06	510.03	1070.30	535.94	20.22	-1.074	0.000	0.001
148.00	0.00	-0.09	0.00	-0.25	0.00	0.25	1014.82	507.41	1055.98	528.78	20.45	-1.074	0.000	0.000

Final Analysis Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

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	33.2	0.00	45.03	0.00	0.00	3315.37
0.9D + 1.6W 93 mph Wind	33.2	0.00	33.76	0.00	0.00	3286.91
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.5	0.00	74.58	0.00	0.00	1062.44
1.2D + 1.0E	1.3	0.00	45.09	0.00	0.00	126.13
0.9D + 1.0E	1.3	0.00	33.82	0.00	0.00	124.97
1.0D + 1.0W 60 mph Wind	8.6	0.00	37.57	0.00	0.00	858.08

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	-45.03	-33.23	0.00	-3315.3	0.00	-3315.3	4270.00	2135.0	9669.74	4842.06	0.00	0.695
0.9D + 1.6W 93 mph Wind	-33.76	-33.21	0.00	-3286.9	0.00	-3286.9	4270.00	2135.0	9669.74	4842.06	0.00	0.687
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-74.58	-10.54	0.00	-1062.4	0.00	-1062.4	4270.00	2135.0	9669.74	4842.06	0.00	0.237
1.2D + 1.0E	-22.65	-0.80	0.00	-41.41	0.00	-41.41	1954.67	977.33	3110.93	1557.78	84.00	0.038
0.9D + 1.0E	-16.98	-0.79	0.00	-40.94	0.00	-40.94	1954.67	977.33	3110.93	1557.78	84.00	0.035
1.0D + 1.0W 60 mph Wind	-37.57	-8.64	0.00	-858.08	0.00	-858.08	4270.00	2135.0	9669.74	4842.06	0.00	0.186

Base Plate Summary

Structure:	CT13057-A		**Code:**	EIA/TIA-222-G	2/18/2022
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (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

Reactions

Original Design

Moment (kip-ft):	3750.00
Axial (kip):	38.00
Shear (kip):	35.00

Analysis

Moment (kip-ft):	3315.37
Axial (kip):	45.03
Shear (kip):	33.23
Moment Design %:	88.41

Base Plate

Yield (ksi):	55.00
Width (in):	61.00
Style:	Clipped
Polygon Sides:	0.00
Clip Length (in):	10.00
Effective Len (in):	8.16
Moment (kip-in):	542.29
Allow Stress (ksi):	74.25
Applied Stress (ksi):	52.72
Stress Ratio:	0.71

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):	165.08
Allowable (kip):	260.00
Ratio:	0.65

Tension

Force (kip):	155.76
Allowable (kip):	260.00
Ratio:	0.62

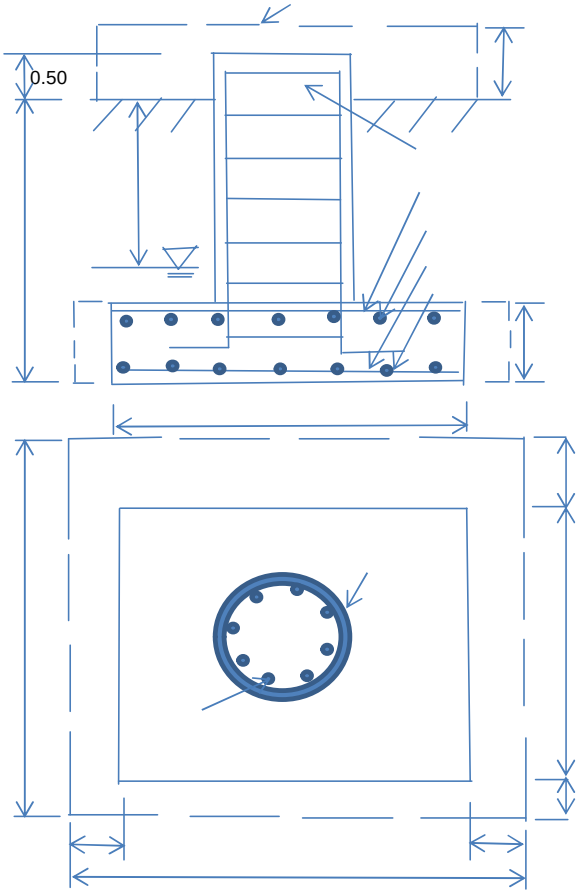
Monopole Mat Foundation Design

				Date
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G	
Site Name:	Newtown	**Structure Height (Ft.):**	148	
Site Number:	CT13057-A	**Engineer Name:**	S. Berthomieux	
Engr. Number:		**Engineer Login ID:**		

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

Analysis or Design? Analysis



Base Reactions (Factored):

Axial Load (Kips):	45.0	Shear Force (Kips):	
Uplift Force (Kips):	0.0	Moment (Kips-ft):	
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	
Length of Pad (ft.):	23.5	Width of Pad (ft.):	
Final Length of pad (ft)	23.5	Final width of pad (ft):	

Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):		
Vertical Rebar Size #:	11	Tie / Stirrup Size #:		
Qty. of Vertical Rebars:	36	Tie Spacing (in):		
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):		
Concrete Cover (in.):		Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):		
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):		
Apply 1.35 factor for e/w Per G:				

Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:		Pcf	
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:		pcf	Angle from Top of Pad:
Ultimate Bearing Pressure (psf):	8000	Ultimate Skin Friction:		Psf	Angle from Bottm of Pad:
Consider Friction for O.T.M. (Y/N):		Consider Friction for bearing (Y/N):			Angle from Bottm of Pad:
Consider soil hor. resist. for OTM.:		Reduction factor on the maximum soil bearing pressure:			

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

Total Dry Soil Volume (cu. Ft.):		1798.18	Total Dry Soil Weight (Kips):
Total Buoyant Soil Volume (cu. Ft.):		0.00	Total Buoyant Soil Weight (Kips):
Total Effective Soil Weight (Kips):		197.80	Weight from the Concrete Block at Top (K):
Total Dry Concrete Volume (cu. Ft.):		2362.94	Total Dry Concrete Weight (Kips):
Total Buoyant Concrete Volume (cu. Ft.):		0.00	Total Buoyant Concrete Weight (Kips):
Total Effective Concrete Weight (Kips):		354.44	Total Vertical Load on Base (Kips):

Check Soil Capacities:

Load/ Capacity Ratio

Calculated Maxium Net Soil Pressure under the base (psf):	<	Allowable Factored Soil Bearing (psf):	6000	
Allowable Foundation Overturning Resistance (kips-ft.):		Design Factored Momont (kips-ft):		
Factor of Safety Against Overturning (O. R. Moment/Design Moment):				

Check the capacities of Reinforceing Concrete:

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

ad Capacity Ratio

(1) Concrete Pier:

Vertical Steel Rebar Area (sq. in./each):		Tie / Stirrup Area (sq. in./each):		
Calculated Moment Capacity (Mn,Kips-Ft):		> Design Factored Moment (Mu, Kips-F		
Calculated Shear Capacity (Kips):		> Design Factored Shear (Kips):		
Calculated Tension Capacity (Tn, Kips):		> Design Factored Tension (Tu Kips):		
Calculated Compression Capacity (Pn, Kips):		> Design Factored Axial Load (Pu Kips):		
Moment & Axial Strength Combination:		OK! Check Tie Spacing (Design/Required):		
Pier Reinforcement Ratio:		Reinforcement Ratio is satisfied per ACI		

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):		One-Way Factored Shear (L-D. Kips):	197.1	
One-Way Design Shear Capacity (W-Direction, Kips):		One-Way Factored Shear (W-D., Kips		
One-Way Design Shear Capacity (Corner-Corner. Kips):		One-Way Factored Shear (C-C, Kips):	186.8	
Lower Steel Pad Reinforcement Ratio (L-Direct.):		Lower Steel Pad Reinf. Ratio (W-Direc		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):		Moment at Bottom (L-Dir. K-Ft):		
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):		Moment at Bottom (W-Dir. K-Ft):		
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):		Moment at Bottom (C-C Dir. K-Ft):		
Upper Steel Pad Reinforcement Ratio (L-Direct.):		Upper Steel Reinf. Ratio (W-Dir.):		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):		Moment at the top (L-Dir K-Ft):		
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):		Moment at the top (W-Dir K-Ft):		
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):		Moment at the top (C-C Dir. K-Ft):		

(3).Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	1326.1	k-ft.	Max. factored shear stress v_{u_CD}		Psi
Max. factored shear stress v_{u_AB}	6.6	Psi	Factored shear Strength ϕv_n		Psi
Max. factored shear stress v_u	6.6	Psi	Check Usage of Punching Shear Capacity:		OK!

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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10122980
Maser Consulting Connecticut Project #: 21777745A (Rev 1)

December 17, 2021

Site Information	*Site ID:*	*467769-VZW / NEWTOWN SE CT*
	Site Name:	*NEWTOWN SE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*151 Berkshire Road* *Newtown, Connecticut 06470* *Fairfield County*
	Latitude:	*41.397500°*
	Longitude:	*-73.235833°*
Structure Information	*Tower Type:*	*135.00-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 15625771

Analysis Results

Platform: **52.3% Pass w/ Modifications ***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

12/17/21

Report Prepared By: Frank Centone

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: 324506, dated November 10, 2021*
Mount Mapping Report	*Structural Components, Site ID: 15625771, dated April 16, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777745A (Rev 1), dated December 16, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777745A (Rev 1), dated December 17, 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:	0.978
Seismic Parameters:	S_S:	0.206
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
136.50	137.50	3	Commscope	TD-850B-LTE78-43	Added
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Swedcom	SC-E 6014 rev2	Retained

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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
Face Horizontal	15.0 %	Pass
Standoff Horizontal	32.0 %	Pass
Platform Crossmember	16.7 %	Pass
Dual Mount Pipe	33.4 %	Pass
Mount Pipe	37.5 %	Pass
Corner Plate	22.4 %	Pass
Grating Support	17.9 %	Pass
Cross Arm Plate	45.9 %	Pass
MOD Support Rail	19.7 %	Pass
MOD Support Rail Corner Angle	32.9 %	Pass
Mount Connection	52.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**52.3%**

BASELINE mount weight per SBA agreement: 1706.47 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 583.78 lbs

The weights listed above include 3 sectors.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	24.7	24.7	38.2	38.2
0.5	32.1	32.1	51.0	51.0
1	38.9	38.9	63.2	63.2

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in the mount modification drawings 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. **Contractor Required PMI Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations
6. TIA Adoption and Wind Speed Usage Letter

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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PSLC #: 467769 SMART Project #: 10122980 Fuze Project ID: 15625771

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 engineering vendor 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:

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:

N/A

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Comments:

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

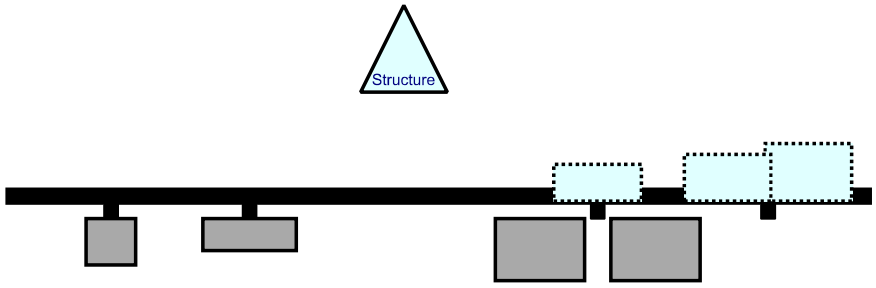
Structure: 467769-VZW - NEWTOWN SE CT

Sector: **A** 12/16/2021

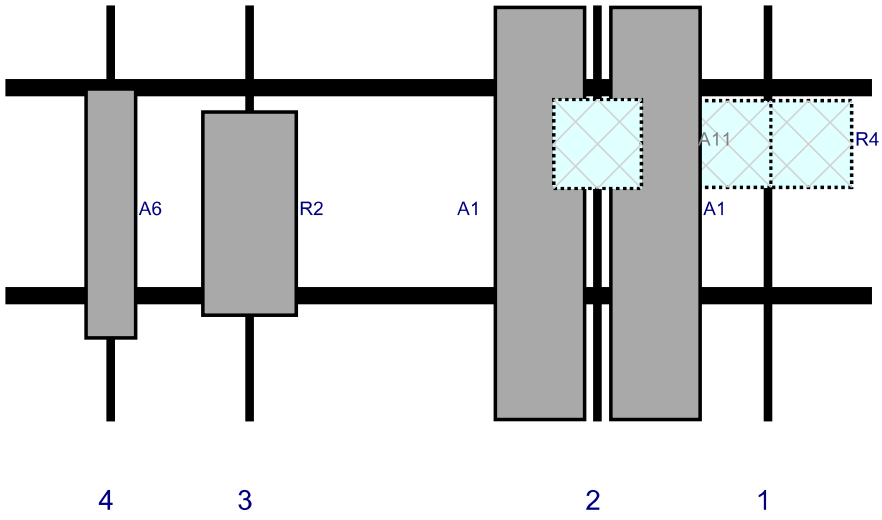
Structure Type: Monopole 10122980

Mount Elev: 136.50 Page: 1

Plan View

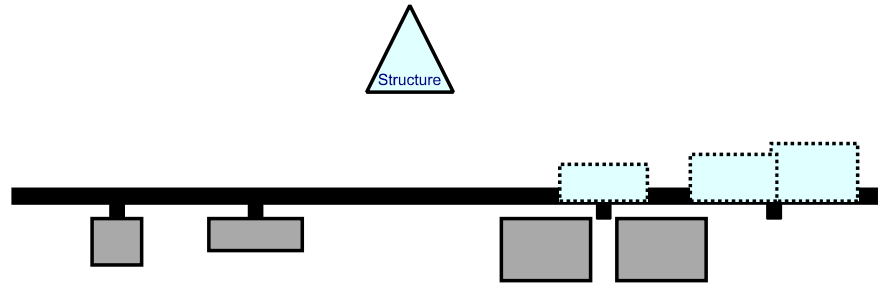


Front View - Looking at Structure

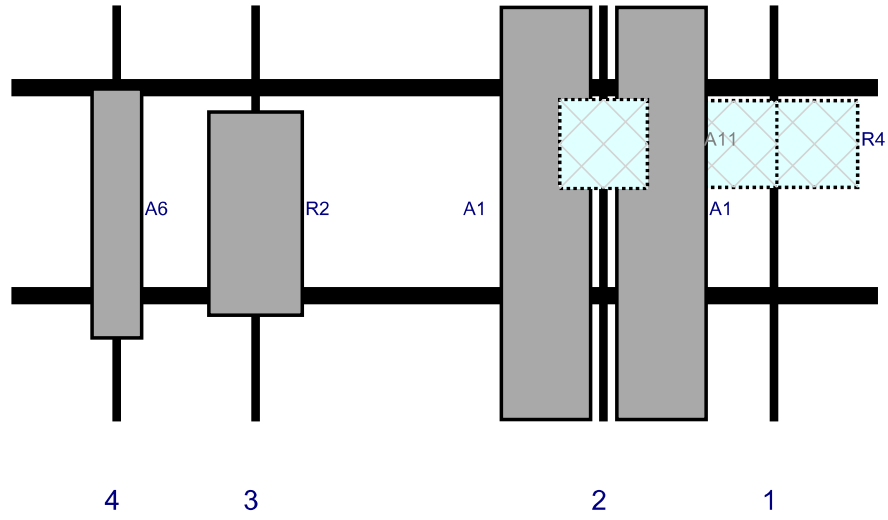


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	132	1	a	Behind	24	7	Added	
R5	RF4440d-13A	15	15	132	1	a	Behind	24	-7	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Added	
A11	TD-850B-LTE78-43	15.4	15.2	102.5	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Added	
A6	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	04/16/2021

Plan View

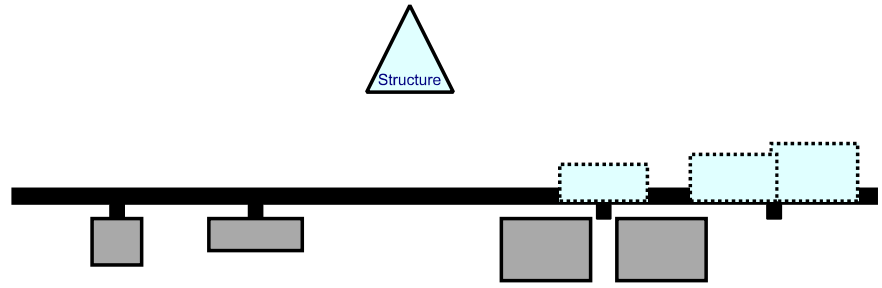


Front View - Looking at Structure

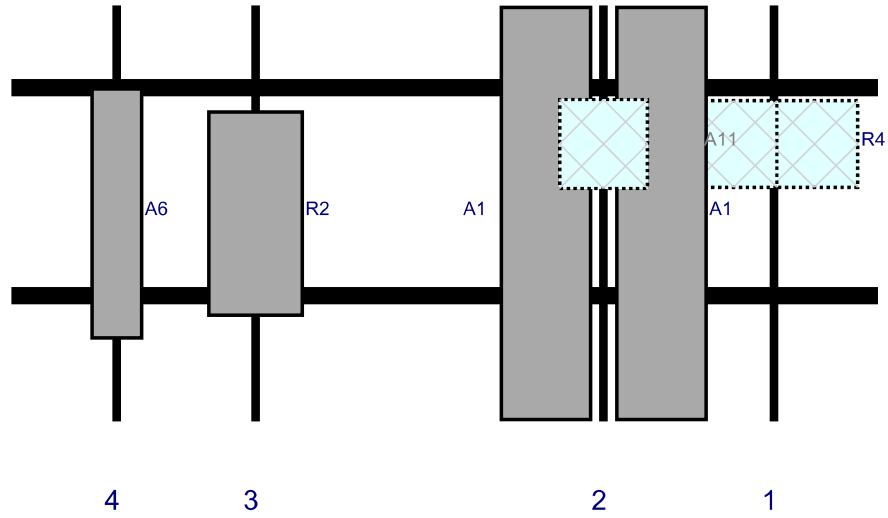


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	132	1	a	Behind	24	7	Added	
R5	RF4440d-13A	15	15	132	1	a	Behind	24	-7	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Added	
A11	TD-850B-LTE78-43	15.4	15.2	102.5	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Added	
A6	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	04/16/2021

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	132	1	a	Behind	24	7	Added	
R5	RF4440d-13A	15	15	132	1	a	Behind	24	-7	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Added	
A1	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Added	
A11	TD-850B-LTE78-43	15.4	15.2	102.5	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Added	
A6	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	04/16/2021


04 16 2021 12:18


04 16 2021 11:08

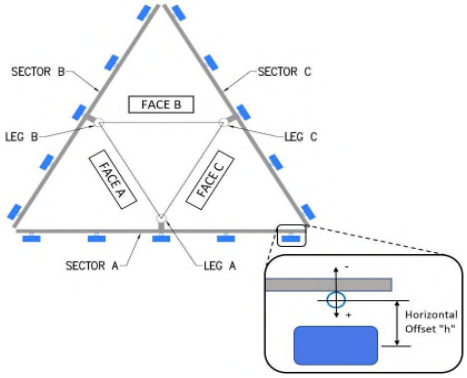
V4.0 Updated on 3-31-2021

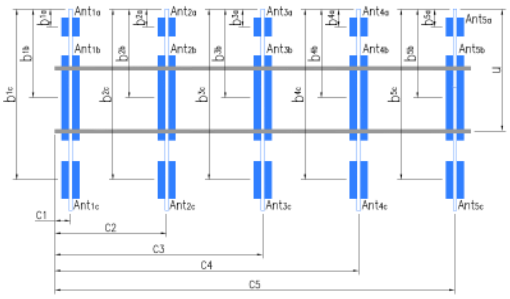
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	4/16/2021
Site Name:	Newtown SE	**Tower Type:**	Monopole
Site Number or ID:	15625771	**Tower Height (Ft.):**	135
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	50.25	18.00	C1	2-3/8x .15x 72	49.75	18.00
A2	2-3/8x .15x 72	50.25	47.50	C2	2-3/8x .15x 72	49.75	46.75
A3	2-3/8x .15x 72	50.25	107.75	C3	2-3/8x .15x 72	49.75	108.50
A4	2-3/8x .15x 72	50.25	131.75	C4	2-3/8x .15x 72	49.75	132.50
A5				C5			
A6				C6			
B1	2-3/8x .15x 72	49.75	18.00	D1			
B2	2-3/8x .15x 72	49.75	52.50	D2			
B3	2-3/8x .15x 72	49.75	107.75	D3			
B4	2-3/8x .15x 72	49.75	131.75	D4			
B5				D5			
B6				D6			

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

Please enter additional infomation or comments below.

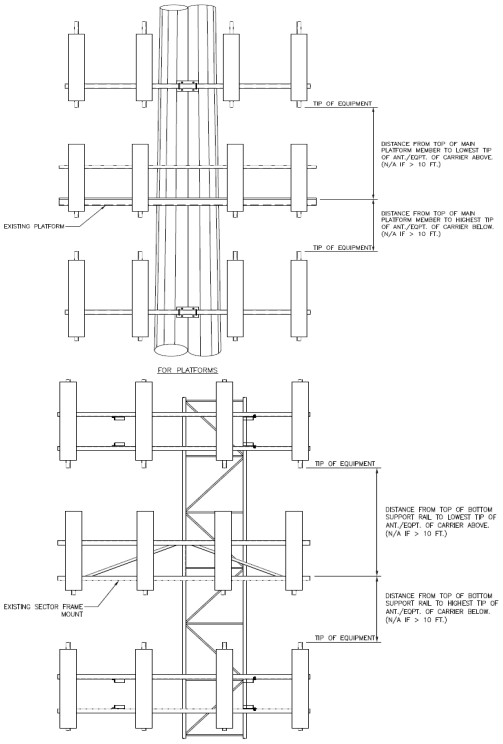
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27.23
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.25

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.979	38.50	12.25	20.00	45
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.813	40.50	11.75	20.00	54
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	) 1-5/8" T	121.5	32.25	-3.00		54
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.438	33.00	7.50	20.00	75
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	) 1-5/8" T	121.729	29.50	-2.75		75
Ant_{4a}										
Ant_{4b}	sc-e 6014 rev 2	8.50	8.00	43.00	Jumper	120.979	38.50	12.00	20.00	85
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

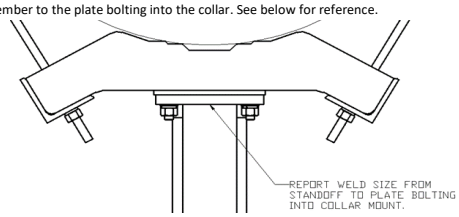
Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	210.00	Deg
Climbing Facility	Corrosion Type:	Moderate corrosion observed.
	Access:	Climbing path was obstructed.
	Condition:	Damaged safety cable.

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}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.854	39.50	12.50	120.00	95
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.938	38.50	11.50	120.00	95
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.313	34.00	-2.75		95
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.438	32.50	7.75	120.00	132
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.729	29.00	-2.75		132
Ant_{4a}										
Ant_{4b}	sc-e 6014 rev 2	8.50	8.00	43.00	Jumper	120.854	39.50	12.00	120.00	147
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.896	39.00	11.75	240.00	158
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.938	38.50	12.00	260.00	176
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.438	32.50	-2.75		176
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.313	34.00	7.75	260.00	192
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.854	27.50	-2.75		192
Ant_{4a}										
Ant_{4b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.771	40.50	12.00	260.00	210
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

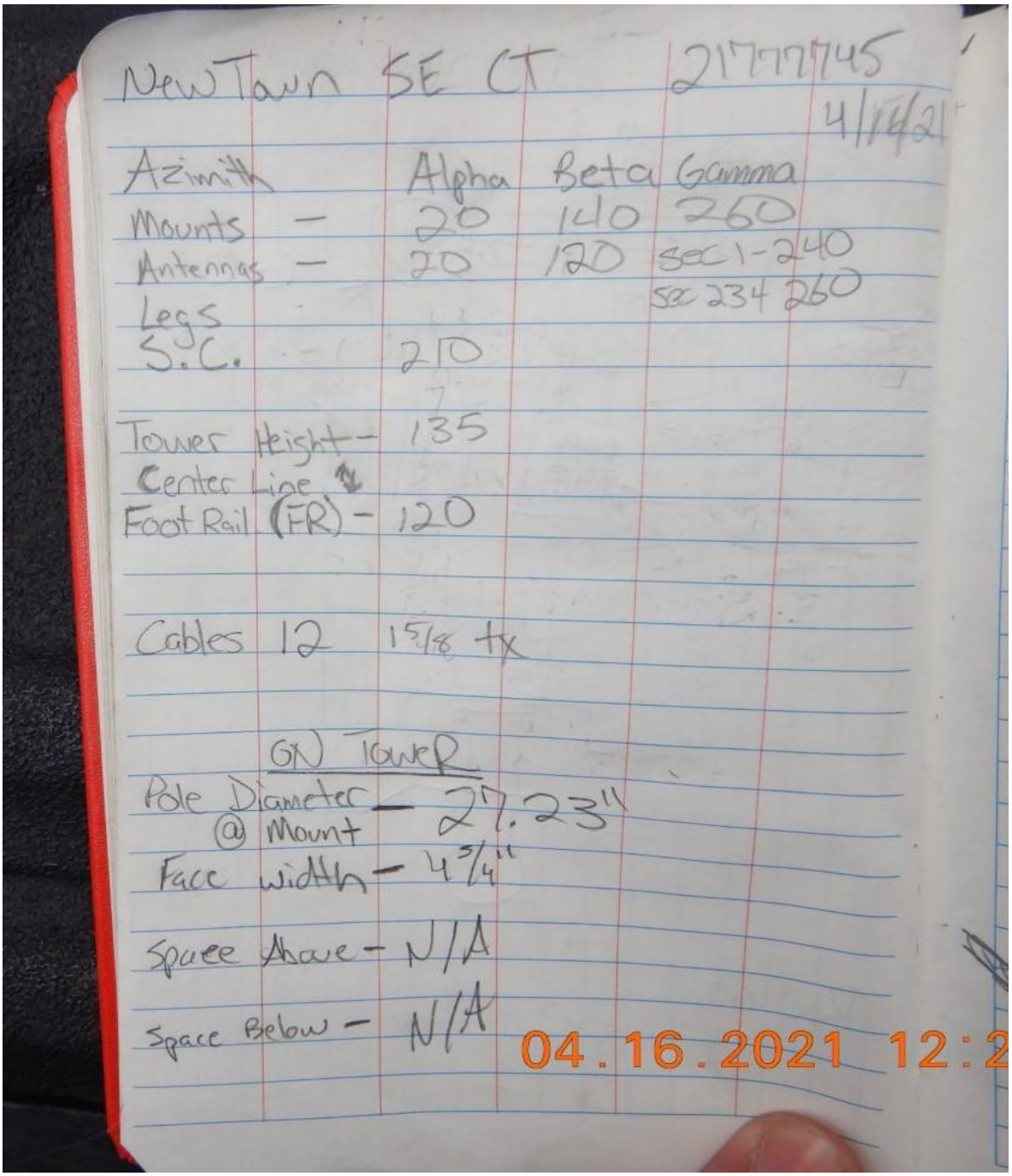
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

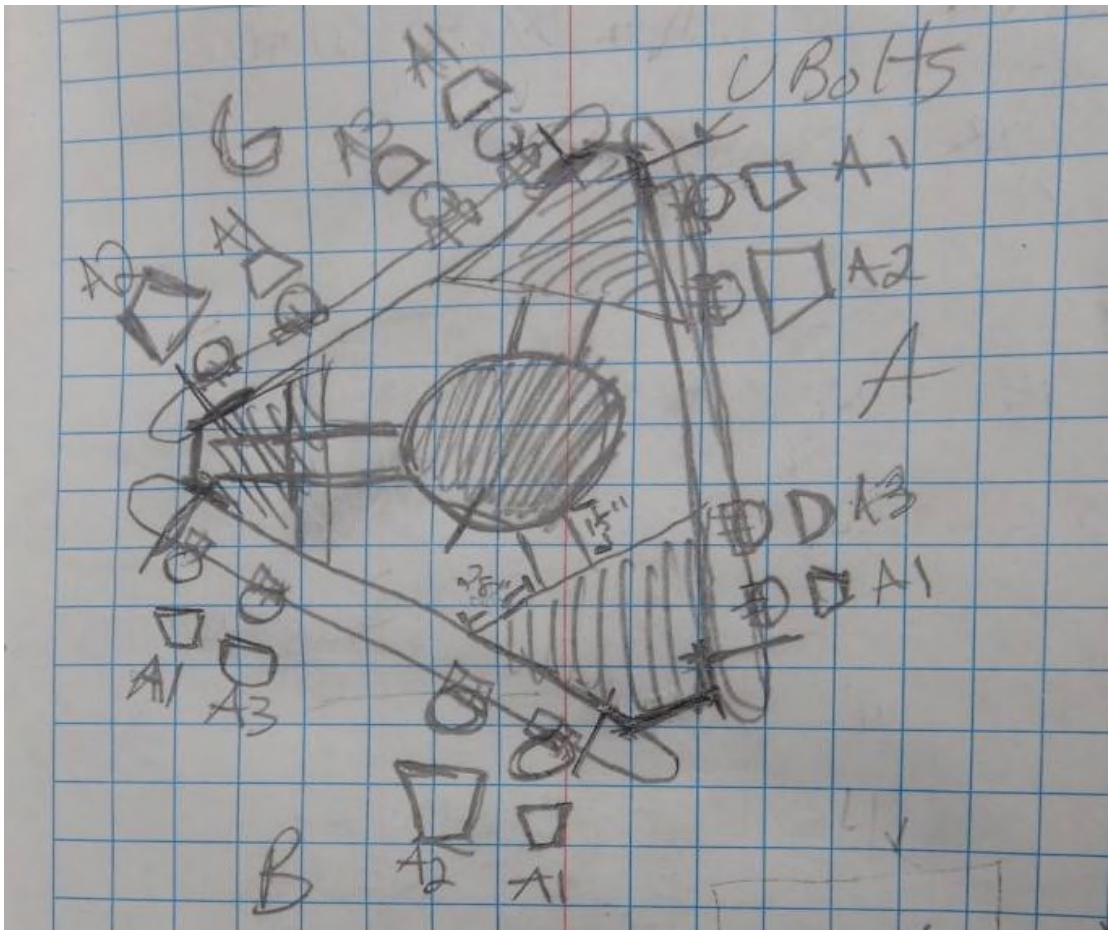
FCC #

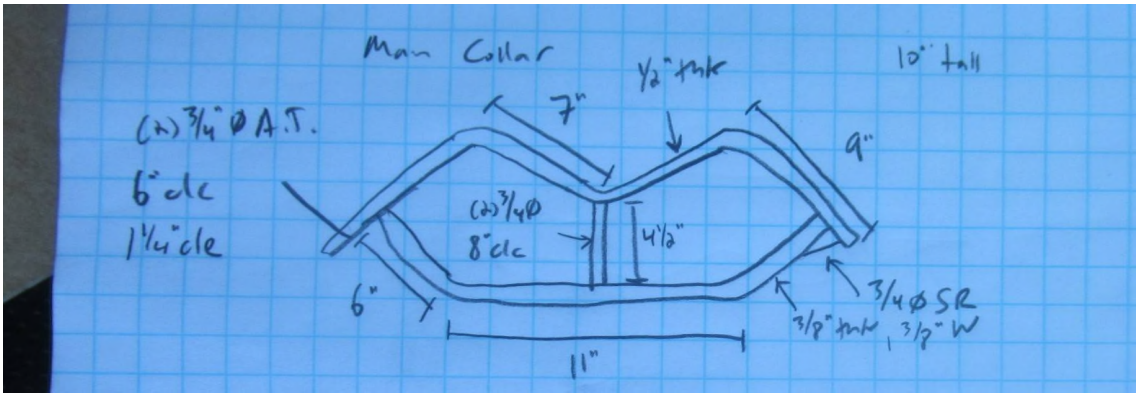
Tower Owner:	SBA	**Mapping Date:**	4/16/2021
Site Name:	Newtown SE	**Tower Type:**	Monopole
Site Number or ID:	15625771	**Tower Height (Ft.):**	135
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	120

Please Insert Sketches of the Antenna Mount

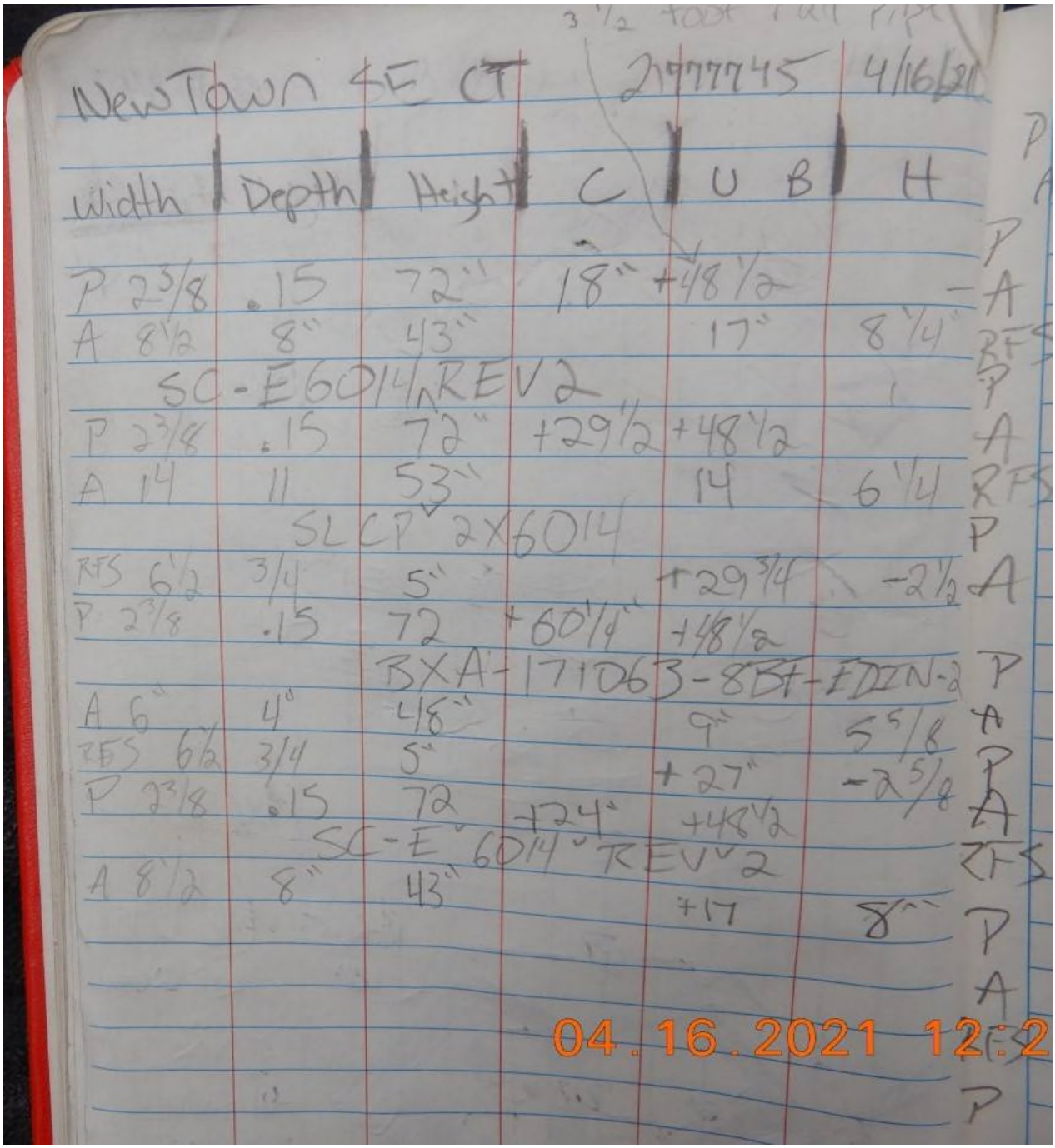


Please Insert Sketches of the Antenna Mount, cont'd

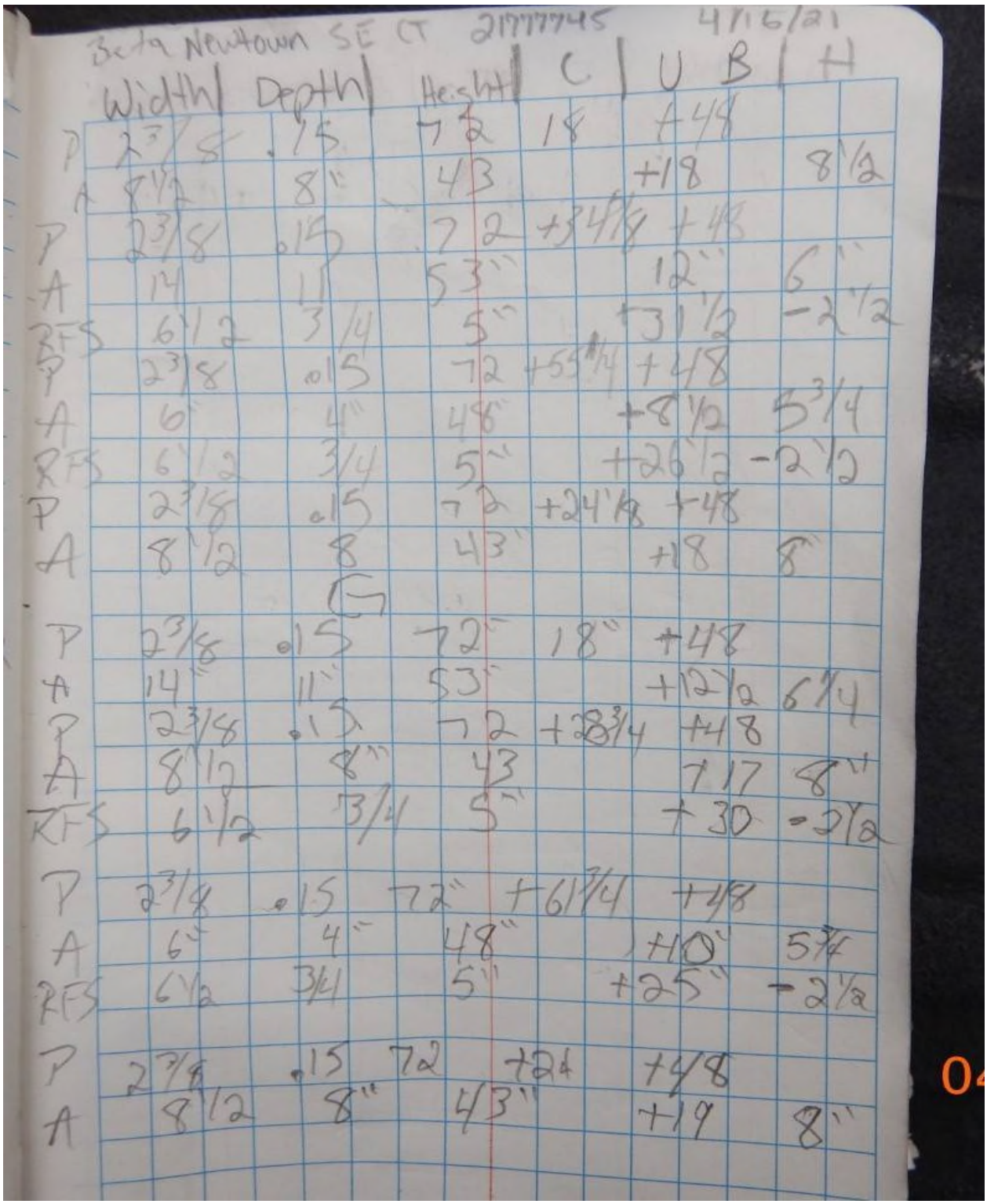




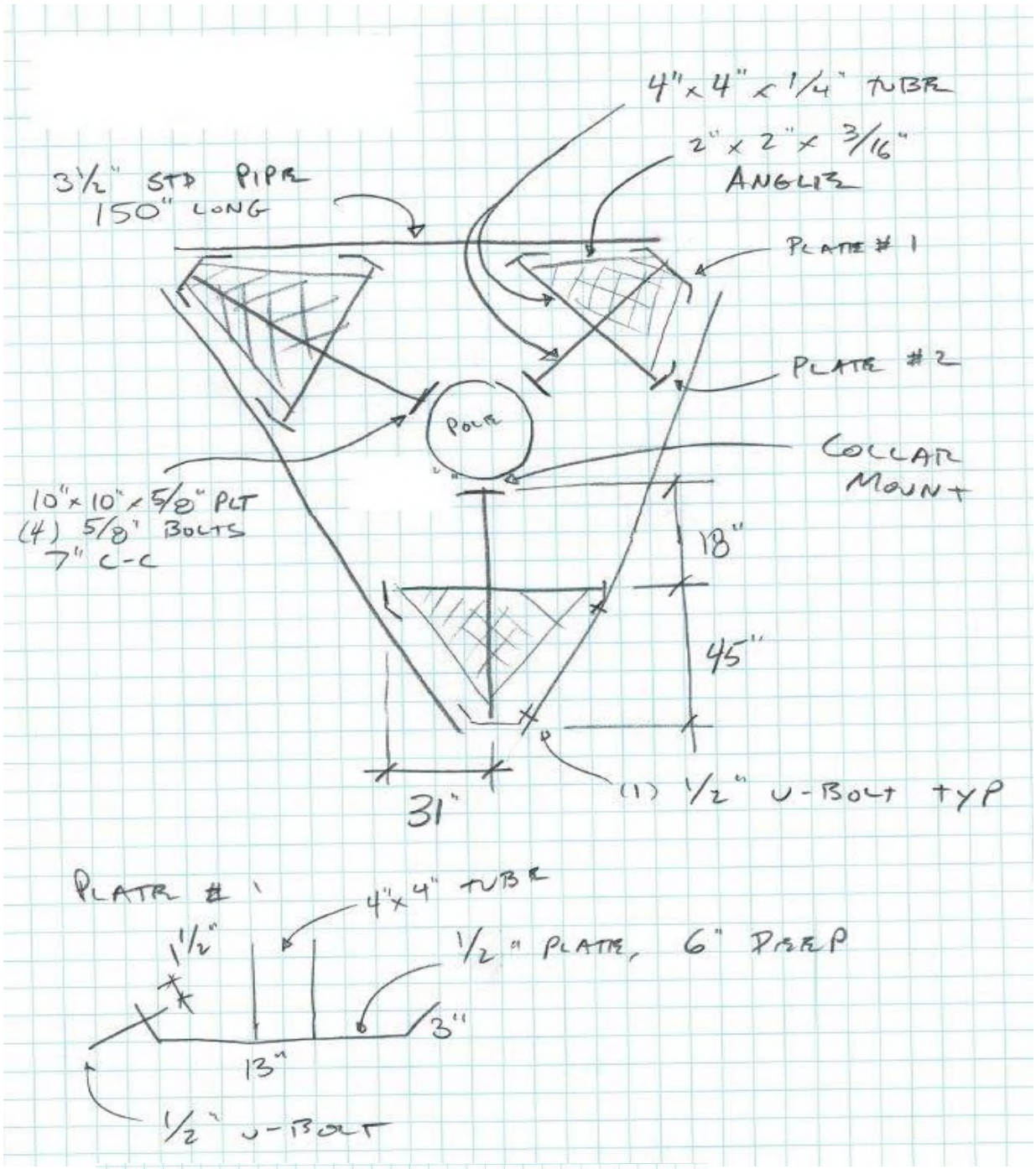
Please Insert Sketches of the Antenna Mount, cont'd

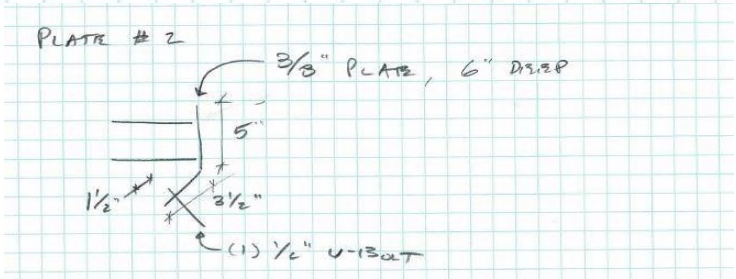


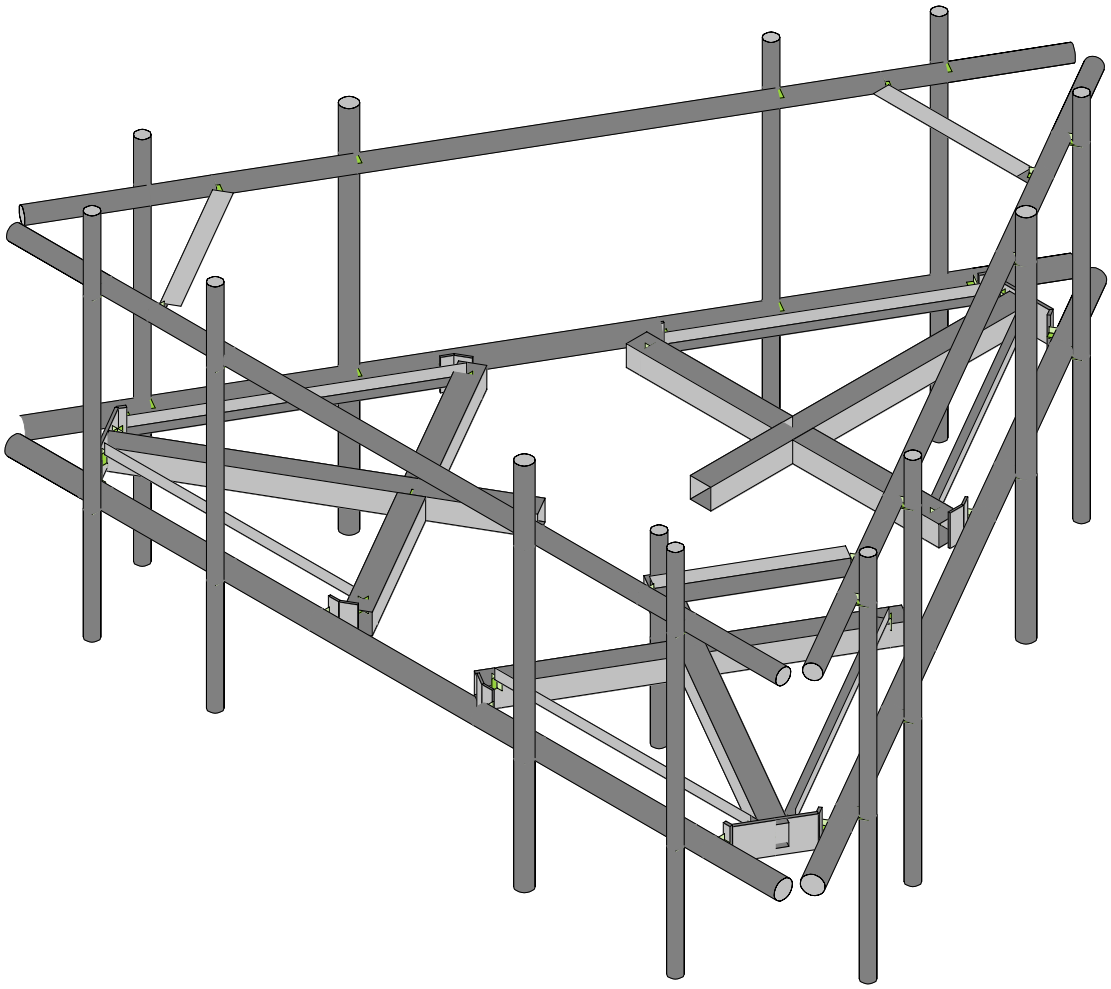
Please Insert Sketches of the Antenna Mount, cont'd



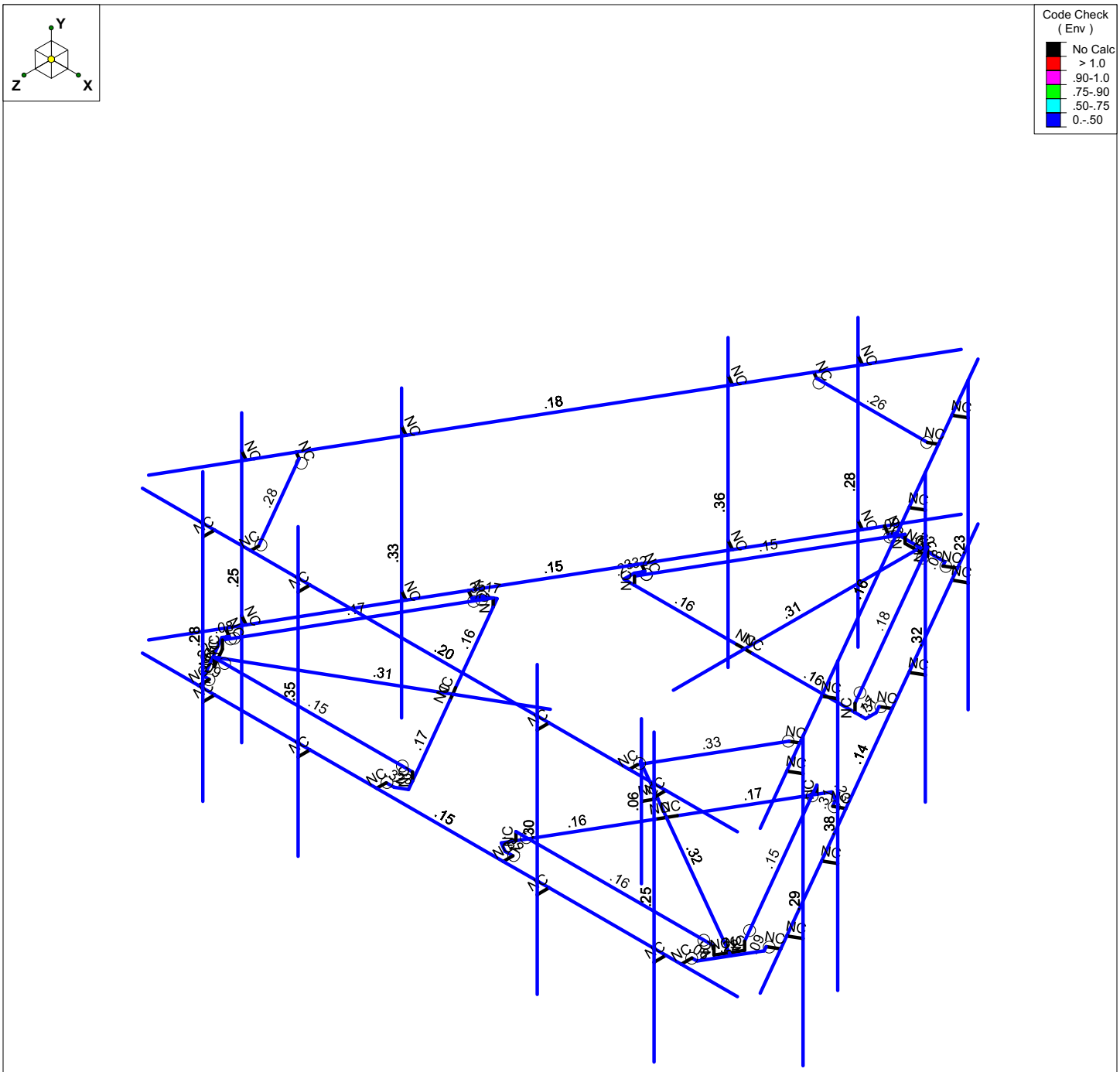
Please Insert Sketches of the Antenna Mount, cont'd





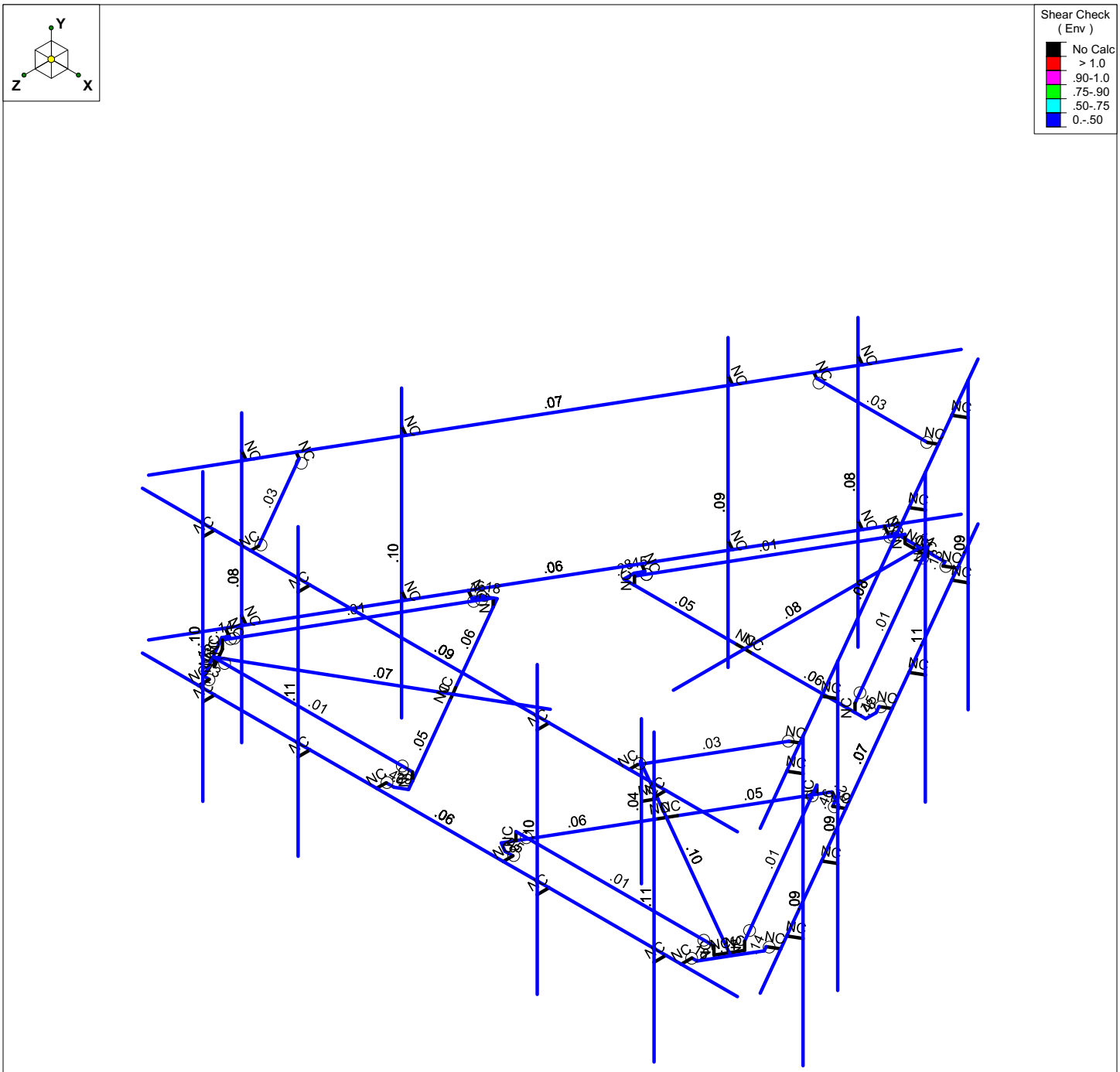


Maser Consulting	Mount Analysis	SK - 1
		Dec 16, 2021 at 3:04 PM
		MOD_467769-VZW_MT_LO_H_.r3d



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

Maser Consulting	Mount Analysis	SK - 2
		Dec 16, 2021 at 3:04 PM
		MOD_467769-VZW_MT_LO_H_.r3d



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

Maser Consulting	Mount Analysis	SK - 3
		Dec 16, 2021 at 3:04 PM
		MOD_467769-VZW_MT_LO_H_.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					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						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						116		
58	Structure Wi (150 De...	None						116		
59	Structure Wi (180 De...	None						116		
60	Structure Wi (210 De...	None						116		
61	Structure Wi (240 De...	None						116		
62	Structure Wi (270 De...	None						116		
63	Structure Wi (300 De...	None						116		
64	Structure Wi (330 De...	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De...	None						116		
67	Structure Wm (60 De...	None						116		
68	Structure Wm (90 De...	None						116		
69	Structure Wm (120 D...	None						116		
70	Structure Wm (150 D...	None						116		
71	Structure Wm (180 D...	None						116		
72	Structure Wm (210 D...	None						116		
73	Structure Wm (240 D...	None						116		
74	Structure Wm (270 D...	None						116		
75	Structure Wm (300 D...	None						116		
76	Structure Wm (330 D...	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					102			
82	Antenna Eh (0 Deg)	None					68			
83	Antenna Eh (90 Deg)	None					68			
84	Structure Ev	ELY		-.044						
85	Structure Eh (0 Deg)	ELZ	-.11							
86	Structure Eh (90 Deg)	ELX			.11					
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	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 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	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...
21	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 +...	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...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1...	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...	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...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1...	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...	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...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1...	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...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1...	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...	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....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1....	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1....	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	-1.092917	0	
4	N5	-2.541667	0	-2.592917	0	
5	N6	2.315104	0.166667	-2.592917	0	
6	N7	-2.315104	0.166667	-2.592917	0	
7	N8	4.75	0	3.810523	0	
8	N9	4.75	0	4.060523	0	
9	N10	-2.729167	0	3.810523	0	
10	N11	-2.729167	0	4.060523	0	
11	N14	2.291667	0	3.810523	0	
12	N15	2.291667	0	4.060523	0	
13	N16	2.291667	-1.8125	4.060523	0	
14	N17	2.291667	4.1875	4.060523	0	
15	N18	-2.729167	-1.8125	4.060523	0	
16	N19	-2.729167	4.1875	4.060523	0	
17	N22	4.75	-1.8125	4.060523	0	
18	N23	4.75	4.1875	4.060523	0	
19	N24	-0.	0	-2.592917	0	
20	N27	-0.	0	-6.280417	0	
21	CP	0	0	0	0	
22	N29	2.315104	0	-2.592917	0	
23	N30	-2.315104	0	-2.592917	0	
24	N101	2.541667	0	-2.592917	0	
25	N102	-0.166667	0	-2.592917	0	
26	N103A	0.166667	0	-2.592917	0	
27	N104A	-2.541667	0	-2.811667	0	
28	N105	2.541667	0	-2.811667	0	
29	N131	2.458333	0	-2.956004	0	
30	N135	0.571615	0	-6.18344	0	
31	N144	-2.458333	0	-2.956004	0	
32	N148	-0.571615	0	-6.18344	0	
33	N86B	-2.634606	0	-3.057775	0	
34	N86C	-0.515625	0	-6.280417	0	
35	N87A	0.515625	0	-6.280417	0	
36	N86D	0.765406	0	-6.295325	0	
37	N86E	-0.765406	0	-6.295325	0	
38	N88A	-0.	0	-6.197083	0	
39	N87C	0.234238	0.166667	-6.197083	0	
40	N86G	0.234238	0	-6.197083	0	
41	N87B	-0.234238	0.166667	-6.197083	0	
42	N88C	-0.234238	0	-6.197083	0	
43	N87D	-0.946494	0	0.546458	0	
44	N88B	-0.974698	0	3.497606	0	
45	N89	-3.403084	0.166667	-0.708481	0	
46	N90	-1.08798	0.166667	3.301397	0	
47	N91	-2.245532	0	1.296458	0	
48	N92	-5.439	0	3.140208	0	
49	N93	-3.403084	0	-0.708481	0	
50	N94	-1.08798	0	3.301397	0	
51	N95	-3.516365	0	-0.90469	0	
52	N96	-2.162198	0	1.440796	0	
53	N97	-2.328865	0	1.152121	0	
54	N98	-1.164141	0	3.606981	0	
55	N99	-3.705808	0	-0.795315	0	
56	N100	-3.789141	0	-0.650977	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N101A	-5.640823	0	2.596687	0	
58	N102A	-1.330808	0	3.606981	0	
59	N103	-5.069209	0	3.586753	0	
60	N104	-3.965414	0	-0.752748	0	
61	N105A	-1.330808	0	3.810523	0	
62	N106	-5.181188	0	3.586753	0	
63	N107	-5.696813	0	2.693664	0	
64	N108	-5.834614	0	2.484802	0	
65	N109	-5.069209	0	3.810523	0	
66	N110	-5.366832	0	3.098542	0	
67	N111	-5.48395	0.166667	2.895686	0	
68	N112	-5.48395	0	2.895686	0	
69	N113	-5.249713	0.166667	3.301397	0	
70	N114	-5.249713	0	3.301397	0	
71	N115	0.946494	0	0.546458	0	
72	N116	3.516365	0	-0.90469	0	
73	N117	1.08798	0.166667	3.301397	0	
74	N118	3.403084	0.166667	-0.708481	0	
75	N119	2.245532	0	1.296458	0	
76	N120	5.439	0	3.140208	0	
77	N121	1.08798	0	3.301397	0	
78	N122	3.403084	0	-0.708481	0	
79	N123	0.974698	0	3.497606	0	
80	N124	2.328865	0	1.152121	0	
81	N125	2.162198	0	1.440796	0	
82	N126	3.705808	0	-0.795315	0	
83	N127	1.164141	0	3.606981	0	
84	N128	1.330808	0	3.606981	0	
85	N129	5.069209	0	3.586753	0	
86	N130	3.789141	0	-0.650977	0	
87	N131A	5.640823	0	2.596687	0	
88	N132	1.330808	0	3.810523	0	
89	N133	3.965414	0	-0.752748	0	
90	N134	5.696813	0	2.693664	0	
91	N135A	5.181188	0	3.586753	0	
92	N136	5.069209	0	3.810523	0	
93	N137	5.834614	0	2.484802	0	
94	N138	5.366832	0	3.098542	0	
95	N139	5.249713	0.166667	3.301397	0	
96	N140	5.249713	0	3.301397	0	
97	N141	5.48395	0.166667	2.895686	0	
98	N142	5.48395	0	2.895686	0	
99	N104B	0.17501	0	-7.31792	0	
100	N105B	6.42501	0	3.507397	0	
101	N124A	-6.42501	0	3.507397	0	
102	N125A	-0.17501	0	-7.31792	0	
103	N140B	5.916667	1	4.060523	0	
104	N179	1.812519	0	1.046458	0	
105	N180	1.687519	1.5	1.262965	0	
106	N181	1.687519	-1.5	1.262965	0	
107	N182	1.687519	0	1.262965	0	
108	N178B	2.634605	0	-3.057777	0	
109	N137A	-4.729167	0	3.810523	0	
110	N138A	-4.729167	0	4.060523	0	
111	N139A	-4.729167	-1.8125	4.060523	0	
112	N140A	-4.729167	4.1875	4.060523	0	
113	N117A	0.92501	0	-6.018882	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N118A	1.141516	0	-6.143882	0	
115	N119A	4.664593	0	0.458266	0	
116	N120A	4.8811	0	0.333266	0	
117	N121A	2.154177	0	-3.889903	0	
118	N122A	2.370683	0	-4.014903	0	
119	N123A	2.370683	-2.3125	-4.014903	0	
120	N124B	2.370683	3.6875	-4.014903	0	
121	N125B	4.8811	-2.3125	0.333266	0	
122	N126A	4.8811	3.6875	0.333266	0	
123	N127A	1.141516	-2.3125	-6.143882	0	
124	N128A	1.141516	3.6875	-6.143882	0	
125	N130A	5.664593	0	2.190317	0	
126	N131B	5.8811	0	2.065317	0	
127	N132A	5.8811	-2.3125	2.065317	0	
128	N133A	5.8811	3.6875	2.065317	0	
129	N134A	-5.67501	0	2.208359	0	
130	N135B	-5.891516	0	2.083359	0	
131	N136A	-1.935427	0	-4.268789	0	
132	N137B	-2.151933	0	-4.393789	0	
133	N138B	-4.445843	0	0.07938	0	
134	N139B	-4.66235	0	-0.04562	0	
135	N140C	-4.66235	-2.3125	-0.04562	0	
136	N141A	-4.66235	3.6875	-0.04562	0	
137	N142A	-2.151933	-2.3125	-4.393789	0	
138	N143	-2.151933	3.6875	-4.393789	0	
139	N144A	-5.891516	-2.3125	2.083359	0	
140	N145	-5.891516	3.6875	2.083359	0	
141	N147	-0.935427	0	-6.00084	0	
142	N148A	-1.151933	0	-6.12584	0	
143	N149	-1.151933	-2.3125	-6.12584	0	
144	N150	-1.151933	3.6875	-6.12584	0	
145	N149A	6.25	3	3.810523	0	
146	N150A	-6.25	3	3.810523	0	
147	N151	4.75	3	3.810523	0	
148	N152	4.75	3	4.060523	0	
149	N153	-2.729167	3	3.810523	0	
150	N154	-2.729167	3	4.060523	0	
151	N155	2.291667	3	3.810523	0	
152	N156	2.291667	3	4.060523	0	
153	N157	0.17501	3	-7.31792	0	
154	N158	6.42501	3	3.507397	0	
155	N159	-6.42501	3	3.507397	0	
156	N160	-0.17501	3	-7.31792	0	
157	N161	-4.729167	3	3.810523	0	
158	N162	-4.729167	3	4.060523	0	
159	N163	0.92501	3	-6.018882	0	
160	N164	1.141516	3	-6.143882	0	
161	N165	4.664593	3	0.458266	0	
162	N166	4.8811	3	0.333266	0	
163	N167	2.154177	3	-3.889903	0	
164	N168	2.370683	3	-4.014903	0	
165	N169	5.664593	3	2.190317	0	
166	N170	5.8811	3	2.065317	0	
167	N171	-5.67501	3	2.208359	0	
168	N172	-5.891516	3	2.083359	0	
169	N173	-1.935427	3	-4.268789	0	
170	N174	-2.151933	3	-4.393789	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
171	N175	-4.445843	3	0.07938	0	
172	N176A	-4.66235	3	-0.04562	0	
173	N177A	-0.935427	3	-6.00084	0	
174	N178	-1.151933	3	-6.12584	0	
175	N179B	-3.979167	3	3.810523	0	
176	N180A	3.979167	3	3.810523	0	
177	N181A	-3.979167	3	3.643857	0	
178	N182A	3.979167	3	3.643857	0	
179	N183	5.289593	3	1.540798	0	
180	N184	1.310427	3	-5.351321	0	
181	N185	5.145256	3	1.624131	0	
182	N186	1.166089	3	-5.267988	0	
183	N187	-1.310427	3	-5.351321	0	
184	N188	-5.289593	3	1.540798	0	
185	N189	-1.166089	3	-5.267988	0	
186	N190	-5.145256	3	1.624131	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	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	HR Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
6	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
7	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
8	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
11	MOD SUPPORT RAIL	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD SUPPORT RAIL BR...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M22	N14	N15			RIGID	None	None	RIGID	Typical
7	MP2A	N17	N16			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
8	MP3A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
11	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
12	M35A	N7	N30			RIGID	None	None	RIGID	Typical
13	M36A	N6	N29			RIGID	None	None	RIGID	Typical
14	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
15	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
16	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
17	M58	N102	N24			RIGID	None	None	RIGID	Typical
18	M59	N24	N103A			RIGID	None	None	RIGID	Typical
19	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M83	N135	N86D			RIGID	None	None	RIGID	Typical
23	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
24	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
25	M88	N144	N86B			RIGID	None	None	RIGID	Typical
26	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
27	M92	N148	N86E			RIGID	None	None	RIGID	Typical
28	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
29	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
30	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
31	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
32	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
33	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
34	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
35	M56	N90	N94			RIGID	None	None	RIGID	Typical
36	M57	N89	N93			RIGID	None	None	RIGID	Typical
37	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
38	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M60	N113	N114			RIGID	None	None	RIGID	Typical
40	M61	N96	N91			RIGID	None	None	RIGID	Typical
41	M62	N91	N97			RIGID	None	None	RIGID	Typical
42	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M65	N100	N104			RIGID	None	None	RIGID	Typical
45	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
46	M67	N101A	N108			RIGID	None	None	RIGID	Typical
47	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
49	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
50	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
51	M72	N103	N109			RIGID	None	None	RIGID	Typical
52	M73	N114	N110			RIGID	None	None	RIGID	Typical
53	M74	N110	N112			RIGID	None	None	RIGID	Typical
54	M75	N111	N112			RIGID	None	None	RIGID	Typical
55	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
56	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
57	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
58	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
59	M80A	N118	N122			RIGID	None	None	RIGID	Typical
60	M81	N117	N121			RIGID	None	None	RIGID	Typical
61	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
62	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
63	M84A	N141	N142			RIGID	None	None	RIGID	Typical
64	M85A	N124	N119			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
65	M86	N119	N125			RIGID	None	None	RIGID	Typical
66	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M89	N128	N132			RIGID	None	None	RIGID	Typical
69	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M91A	N129	N136			RIGID	None	None	RIGID	Typical
71	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M94	N130	N133			RIGID	None	None	RIGID	Typical
74	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
75	M96	N131A	N137			RIGID	None	None	RIGID	Typical
76	M97	N142	N138			RIGID	None	None	RIGID	Typical
77	M98	N138	N140			RIGID	None	None	RIGID	Typical
78	M99	N139	N140			RIGID	None	None	RIGID	Typical
79	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
80	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M117	N180	N181			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M118	N179	N182			RIGID	None	None	RIGID	Typical
83	M124A	N131	N178B			RIGID	None	None	RIGID	Typical
84	M98A	N137A	N138A			RIGID	None	None	RIGID	Typical
85	MP4A	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M88B	N117A	N118A			RIGID	None	None	RIGID	Typical
87	M89A	N119A	N120A			RIGID	None	None	RIGID	Typical
88	M90A	N121A	N122A			RIGID	None	None	RIGID	Typical
89	MP2C	N124B	N123A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP3C	N126A	N125B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N128A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M94A	N130A	N131B			RIGID	None	None	RIGID	Typical
93	MP4C	N133A	N132A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M96A	N134A	N135B			RIGID	None	None	RIGID	Typical
95	M97A	N136A	N137B			RIGID	None	None	RIGID	Typical
96	M98B	N138B	N139B			RIGID	None	None	RIGID	Typical
97	MP2B	N141A	N140C			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M102	N147	N148A			RIGID	None	None	RIGID	Typical
101	MP4B	N150	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102A	N149A	N150A			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
103	M103	N151	N152			RIGID	None	None	RIGID	Typical
104	M104	N153	N154			RIGID	None	None	RIGID	Typical
105	M105	N155	N156			RIGID	None	None	RIGID	Typical
106	M106	N157	N158			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
107	M107	N159	N160			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
108	M108	N161	N162			RIGID	None	None	RIGID	Typical
109	M109	N163	N164			RIGID	None	None	RIGID	Typical
110	M110	N165	N166			RIGID	None	None	RIGID	Typical
111	M111	N167	N168			RIGID	None	None	RIGID	Typical
112	M112	N169	N170			RIGID	None	None	RIGID	Typical
113	M113	N171	N172			RIGID	None	None	RIGID	Typical
114	M114	N173	N174			RIGID	None	None	RIGID	Typical
115	M115	N175	N176A			RIGID	None	None	RIGID	Typical
116	M116	N177A	N178			RIGID	None	None	RIGID	Typical
117	M117A	N179B	N181A			RIGID	None	None	RIGID	Typical
118	M118A	N180A	N182A			RIGID	None	None	RIGID	Typical
119	M119	N183	N185			RIGID	None	None	RIGID	Typical
120	M120	N184	N186			RIGID	None	None	RIGID	Typical
121	M121	N187	N189			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
122	M122	N188	N190			RIGID	None	None	RIGID	Typical
123	M123	N181A	N190		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N189	N186		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N185	N182A		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP2A	Dual Mount ...	6			Lbyy						Lateral
5	MP3A	Mount Pipe	6			Lbyy						Lateral
6	MP1A	Mount Pipe	6			Lbyy						Lateral
7	M43	Platform Cr...	2.375			Lbyy						Lateral
8	M46	Corner Plate	1.031			Lbyy						Lateral
9	M51B	Grating Sup...	4.162			Lbyy						Lateral
10	M52B	Grating Sup...	4.162			Lbyy						Lateral
11	M76	Cross Arm ...	.219									Lateral
12	M77	Cross Arm ...	.167									Lateral
13	M80	Corner Plate	.112			Lbyy						Lateral
14	M84	Cross Arm ...	.219									Lateral
15	M85	Cross Arm ...	.167									Lateral
16	M91	Corner Plate	.112			Lbyy						Lateral
17	M52A	Standoff Ho...	5.188			Lbyy						Lateral
18	M53	Platform Cr...	2.375			Lbyy						Lateral
19	M54	Platform Cr...	2.375			Lbyy						Lateral
20	M55	Corner Plate	1.031			Lbyy						Lateral
21	M58A	Grating Sup...	4.162			Lbyy						Lateral
22	M59A	Grating Sup...	4.162			Lbyy						Lateral
23	M63	Cross Arm ...	.219									Lateral
24	M64	Cross Arm ...	.167									Lateral
25	M66	Corner Plate	.112			Lbyy						Lateral
26	M68	Cross Arm ...	.219									Lateral
27	M69	Cross Arm ...	.167									Lateral
28	M71	Corner Plate	.112			Lbyy						Lateral
29	M76A	Standoff Ho...	5.188			Lbyy						Lateral
30	M77A	Platform Cr...	2.375			Lbyy						Lateral
31	M78	Platform Cr...	2.375			Lbyy						Lateral
32	M79A	Corner Plate	1.031			Lbyy						Lateral
33	M82	Grating Sup...	4.162			Lbyy						Lateral
34	M83A	Grating Sup...	4.162			Lbyy						Lateral
35	M87	Cross Arm ...	.219									Lateral
36	M88A	Cross Arm ...	.167									Lateral
37	M90	Corner Plate	.112			Lbyy						Lateral
38	M92A	Cross Arm ...	.219									Lateral
39	M93	Cross Arm ...	.167									Lateral
40	M95	Corner Plate	.112			Lbyy						Lateral
41	M82A	Face Horizo...	12.5			Lbyy						Lateral
42	M91B	Face Horizo...	12.5			Lbyy						Lateral
43	M117	Mount Pipe	3			Lbyy						Lateral
44	MP4A	Mount Pipe	6			Lbyy						Lateral
45	MP2C	Dual Mount ...	6			Lbyy						Lateral
46	MP3C	Mount Pipe	6			Lbyy						Lateral
47	MP1C	Mount Pipe	6			Lbyy						Lateral
48	MP4C	Mount Pipe	6			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
49	MP2B	Dual Mount ...	6			Lbyy						Lateral
50	MP3B	Mount Pipe	6			Lbyy						Lateral
51	MP1B	Mount Pipe	6			Lbyy						Lateral
52	MP4B	Mount Pipe	6			Lbyy						Lateral
53	M102A	MOD SUPP...	12.5			Lbyy						Lateral
54	M106	MOD SUPP...	12.5			Lbyy						Lateral
55	M107	MOD SUPP...	12.5			Lbyy						Lateral
56	M123	MOD SUPP...	2.332			Lbyy						Lateral
57	M124	MOD SUPP...	2.332			Lbyy						Lateral
58	M125	MOD SUPP...	2.332			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-23	1
2	MP2A	My	-.011	1
3	MP2A	Mz	.019	1
4	MP2A	Y	-23	5
5	MP2A	My	-.011	5
6	MP2A	Mz	.019	5
7	MP2B	Y	-23	1
8	MP2B	My	-.019	1
9	MP2B	Mz	-.011	1
10	MP2B	Y	-23	5
11	MP2B	My	-.019	5
12	MP2B	Mz	-.011	5
13	MP2C	Y	-23	1
14	MP2C	My	.021	1
15	MP2C	Mz	-.007	1
16	MP2C	Y	-23	5
17	MP2C	My	.021	5
18	MP2C	Mz	-.007	5
19	MP2A	Y	-23	1
20	MP2A	My	-.011	1
21	MP2A	Mz	-.019	1
22	MP2A	Y	-23	5
23	MP2A	My	-.011	5
24	MP2A	Mz	-.019	5
25	MP2B	Y	-23	1
26	MP2B	My	.019	1
27	MP2B	Mz	-.011	1
28	MP2B	Y	-23	5
29	MP2B	My	.019	5
30	MP2B	Mz	-.011	5
31	MP2C	Y	-23	1
32	MP2C	My	-.004	1
33	MP2C	Mz	.022	1
34	MP2C	Y	-23	5
35	MP2C	My	-.004	5
36	MP2C	Mz	.022	5
37	MP3A	Y	-43.55	2
38	MP3A	My	-.022	2
39	MP3A	Mz	0	2
40	MP3A	Y	-43.55	4
41	MP3A	My	-.022	4
42	MP3A	Mz	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	Y	-43.55	2
44	MP3B	My	0	2
45	MP3B	Mz	-.022	2
46	MP3B	Y	-43.55	4
47	MP3B	My	0	4
48	MP3B	Mz	-.022	4
49	MP3C	Y	-43.55	2
50	MP3C	My	.017	2
51	MP3C	Mz	.014	2
52	MP3C	Y	-43.55	4
53	MP3C	My	.017	4
54	MP3C	Mz	.014	4
55	M117	Y	-32	1
56	M117	My	-.016	1
57	M117	Mz	0	1
58	MP1A	Y	-84.4	2
59	MP1A	My	.042	2
60	MP1A	Mz	.049	2
61	MP1B	Y	-84.4	2
62	MP1B	My	-.049	2
63	MP1B	Mz	.042	2
64	MP1C	Y	-84.4	2
65	MP1C	My	-.00068	2
66	MP1C	Mz	-.065	2
67	MP1A	Y	-70.3	2
68	MP1A	My	.035	2
69	MP1A	Mz	-.041	2
70	MP1B	Y	-70.3	2
71	MP1B	My	.041	2
72	MP1B	Mz	.035	2
73	MP1C	Y	-70.3	2
74	MP1C	My	-.053	2
75	MP1C	Mz	.009	2
76	MP4A	Y	-7.5	2
77	MP4A	My	-.004	2
78	MP4A	Mz	0	2
79	MP4A	Y	-7.5	4
80	MP4A	My	-.004	4
81	MP4A	Mz	0	4
82	MP4B	Y	-7.5	2
83	MP4B	My	0	2
84	MP4B	Mz	-.004	2
85	MP4B	Y	-7.5	4
86	MP4B	My	0	4
87	MP4B	Mz	-.004	4
88	MP4C	Y	-7.5	2
89	MP4C	My	.003	2
90	MP4C	Mz	.002	2
91	MP4C	Y	-7.5	4
92	MP4C	My	.003	4
93	MP4C	Mz	.002	4
94	MP2A	Y	-52.9	2
95	MP2A	My	.026	2
96	MP2A	Mz	0	2
97	MP2B	Y	-52.9	2
98	MP2B	My	0	2
99	MP2B	Mz	.026	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP2C	Y	-52.9	2
101	MP2C	My	-.02	2
102	MP2C	Mz	-.017	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-82.353	1
2	MP2A	My	-.041	1
3	MP2A	Mz	.069	1
4	MP2A	Y	-82.353	5
5	MP2A	My	-.041	5
6	MP2A	Mz	.069	5
7	MP2B	Y	-82.353	1
8	MP2B	My	-.069	1
9	MP2B	Mz	-.041	1
10	MP2B	Y	-82.353	5
11	MP2B	My	-.069	5
12	MP2B	Mz	-.041	5
13	MP2C	Y	-82.353	1
14	MP2C	My	.076	1
15	MP2C	Mz	-.026	1
16	MP2C	Y	-82.353	5
17	MP2C	My	.076	5
18	MP2C	Mz	-.026	5
19	MP2A	Y	-82.353	1
20	MP2A	My	-.041	1
21	MP2A	Mz	-.069	1
22	MP2A	Y	-82.353	5
23	MP2A	My	-.041	5
24	MP2A	Mz	-.069	5
25	MP2B	Y	-82.353	1
26	MP2B	My	.069	1
27	MP2B	Mz	-.041	1
28	MP2B	Y	-82.353	5
29	MP2B	My	.069	5
30	MP2B	Mz	-.041	5
31	MP2C	Y	-82.353	1
32	MP2C	My	-.013	1
33	MP2C	Mz	.079	1
34	MP2C	Y	-82.353	5
35	MP2C	My	-.013	5
36	MP2C	Mz	.079	5
37	MP3A	Y	-35.564	2
38	MP3A	My	-.018	2
39	MP3A	Mz	0	2
40	MP3A	Y	-35.564	4
41	MP3A	My	-.018	4
42	MP3A	Mz	0	4
43	MP3B	Y	-35.564	2
44	MP3B	My	0	2
45	MP3B	Mz	-.018	2
46	MP3B	Y	-35.564	4
47	MP3B	My	0	4
48	MP3B	Mz	-.018	4
49	MP3C	Y	-35.564	2
50	MP3C	My	.014	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mz	.011	2
52	MP3C	Y	-35.564	4
53	MP3C	My	.014	4
54	MP3C	Mz	.011	4
55	M117	Y	-76.052	1
56	M117	My	-.038	1
57	M117	Mz	0	1
58	MP1A	Y	-44.836	2
59	MP1A	My	.022	2
60	MP1A	Mz	.026	2
61	MP1B	Y	-44.836	2
62	MP1B	My	-.026	2
63	MP1B	Mz	.022	2
64	MP1C	Y	-44.836	2
65	MP1C	My	-.000362	2
66	MP1C	Mz	-.034	2
67	MP1A	Y	-40.321	2
68	MP1A	My	.02	2
69	MP1A	Mz	-.024	2
70	MP1B	Y	-40.321	2
71	MP1B	My	.024	2
72	MP1B	Mz	.02	2
73	MP1C	Y	-40.321	2
74	MP1C	My	-.031	2
75	MP1C	Mz	.005	2
76	MP4A	Y	-33.168	2
77	MP4A	My	-.017	2
78	MP4A	Mz	0	2
79	MP4A	Y	-33.168	4
80	MP4A	My	-.017	4
81	MP4A	Mz	0	4
82	MP4B	Y	-33.168	2
83	MP4B	My	0	2
84	MP4B	Mz	-.017	2
85	MP4B	Y	-33.168	4
86	MP4B	My	0	4
87	MP4B	Mz	-.017	4
88	MP4C	Y	-33.168	2
89	MP4C	My	.013	2
90	MP4C	Mz	.011	2
91	MP4C	Y	-33.168	4
92	MP4C	My	.013	4
93	MP4C	Mz	.011	4
94	MP2A	Y	-37.328	2
95	MP2A	My	.019	2
96	MP2A	Mz	0	2
97	MP2B	Y	-37.328	2
98	MP2B	My	0	2
99	MP2B	Mz	.019	2
100	MP2C	Y	-37.328	2
101	MP2C	My	-.014	2
102	MP2C	Mz	-.012	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-195.464	1
3	MP2A	Mx	-.163	1
4	MP2A	X	0	5
5	MP2A	Z	-195.464	5
6	MP2A	Mx	-.163	5
7	MP2B	X	0	1
8	MP2B	Z	-145.32	1
9	MP2B	Mx	.073	1
10	MP2B	X	0	5
11	MP2B	Z	-145.32	5
12	MP2B	Mx	.073	5
13	MP2C	X	0	1
14	MP2C	Z	-174.746	1
15	MP2C	Mx	.055	1
16	MP2C	X	0	5
17	MP2C	Z	-174.746	5
18	MP2C	Mx	.055	5
19	MP2A	X	0	1
20	MP2A	Z	-195.464	1
21	MP2A	Mx	.163	1
22	MP2A	X	0	5
23	MP2A	Z	-195.464	5
24	MP2A	Mx	.163	5
25	MP2B	X	0	1
26	MP2B	Z	-145.32	1
27	MP2B	Mx	.073	1
28	MP2B	X	0	5
29	MP2B	Z	-145.32	5
30	MP2B	Mx	.073	5
31	MP2C	X	0	1
32	MP2C	Z	-174.746	1
33	MP2C	Mx	-.168	1
34	MP2C	X	0	5
35	MP2C	Z	-174.746	5
36	MP2C	Mx	-.168	5
37	MP3A	X	0	2
38	MP3A	Z	-93.078	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-93.078	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-36.44	2
45	MP3B	Mx	.018	2
46	MP3B	X	0	4
47	MP3B	Z	-36.44	4
48	MP3B	Mx	.018	4
49	MP3C	X	0	2
50	MP3C	Z	-69.677	2
51	MP3C	Mx	-.022	2
52	MP3C	X	0	4
53	MP3C	Z	-69.677	4
54	MP3C	Mx	-.022	4
55	M117	X	0	1
56	M117	Z	-150.113	1
57	M117	Mx	0	1
58	MP1A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1A	Z	-74.066	2
60	MP1A	Mx	-.043	2
61	MP1B	X	0	2
62	MP1B	Z	-49.51	2
63	MP1B	Mx	-.025	2
64	MP1C	X	0	2
65	MP1C	Z	-63.92	2
66	MP1C	Mx	.049	2
67	MP1A	X	0	2
68	MP1A	Z	-74.066	2
69	MP1A	Mx	.043	2
70	MP1B	X	0	2
71	MP1B	Z	-40.103	2
72	MP1B	Mx	-.02	2
73	MP1C	X	0	2
74	MP1C	Z	-60.033	2
75	MP1C	Mx	-.008	2
76	MP4A	X	0	2
77	MP4A	Z	-65.947	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-65.947	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	-62.816	2
84	MP4B	Mx	.031	2
85	MP4B	X	0	4
86	MP4B	Z	-62.816	4
87	MP4B	Mx	.031	4
88	MP4C	X	0	2
89	MP4C	Z	-64.653	2
90	MP4C	Mx	-.021	2
91	MP4C	X	0	4
92	MP4C	Z	-64.653	4
93	MP4C	Mx	-.021	4
94	MP2A	X	0	2
95	MP2A	Z	-77.631	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2
98	MP2B	Z	-32.531	2
99	MP2B	Mx	-.016	2
100	MP2C	X	0	2
101	MP2C	Z	-58.997	2
102	MP2C	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	91.464	1
2	MP2A	Z	-158.42	1
3	MP2A	Mx	-.178	1
4	MP2A	X	91.464	5
5	MP2A	Z	-158.42	5
6	MP2A	Mx	-.178	5
7	MP2B	X	78.928	1
8	MP2B	Z	-136.707	1
9	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	78.928	5
11	MP2B	Z	-136.707	5
12	MP2B	Mx	.003	5
13	MP2C	X	96.976	1
14	MP2C	Z	-167.967	1
15	MP2C	Mx	.142	1
16	MP2C	X	96.976	5
17	MP2C	Z	-167.967	5
18	MP2C	Mx	.142	5
19	MP2A	X	91.464	1
20	MP2A	Z	-158.42	1
21	MP2A	Mx	.086	1
22	MP2A	X	91.464	5
23	MP2A	Z	-158.42	5
24	MP2A	Mx	.086	5
25	MP2B	X	78.928	1
26	MP2B	Z	-136.707	1
27	MP2B	Mx	.134	1
28	MP2B	X	78.928	5
29	MP2B	Z	-136.707	5
30	MP2B	Mx	.134	5
31	MP2C	X	96.976	1
32	MP2C	Z	-167.967	1
33	MP2C	Mx	-.176	1
34	MP2C	X	96.976	5
35	MP2C	Z	-167.967	5
36	MP2C	Mx	-.176	5
37	MP3A	X	39.459	2
38	MP3A	Z	-68.346	2
39	MP3A	Mx	-.02	2
40	MP3A	X	39.459	4
41	MP3A	Z	-68.346	4
42	MP3A	Mx	-.02	4
43	MP3B	X	25.3	2
44	MP3B	Z	-43.82	2
45	MP3B	Mx	.022	2
46	MP3B	X	25.3	4
47	MP3B	Z	-43.82	4
48	MP3B	Mx	.022	4
49	MP3C	X	45.685	2
50	MP3C	Z	-79.129	2
51	MP3C	Mx	-.008	2
52	MP3C	X	45.685	4
53	MP3C	Z	-79.129	4
54	MP3C	Mx	-.008	4
55	M117	X	68.76	1
56	M117	Z	-119.096	1
57	M117	Mx	-.034	1
58	MP1A	X	33.964	2
59	MP1A	Z	-58.827	2
60	MP1A	Mx	-.017	2
61	MP1B	X	27.824	2
62	MP1B	Z	-48.193	2
63	MP1B	Mx	-.04	2
64	MP1C	X	36.663	2
65	MP1C	Z	-63.502	2
66	MP1C	Mx	.048	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1A	X	32.788	2
68	MP1A	Z	-56.79	2
69	MP1A	Mx	.05	2
70	MP1B	X	24.297	2
71	MP1B	Z	-42.083	2
72	MP1B	Mx	-.007	2
73	MP1C	X	36.521	2
74	MP1C	Z	-63.256	2
75	MP1C	Mx	-.036	2
76	MP4A	X	32.582	2
77	MP4A	Z	-56.434	2
78	MP4A	Mx	-.016	2
79	MP4A	X	32.582	4
80	MP4A	Z	-56.434	4
81	MP4A	Mx	-.016	4
82	MP4B	X	31.799	2
83	MP4B	Z	-55.078	2
84	MP4B	Mx	.028	2
85	MP4B	X	31.799	4
86	MP4B	Z	-55.078	4
87	MP4B	Mx	.028	4
88	MP4C	X	32.926	2
89	MP4C	Z	-57.03	2
90	MP4C	Mx	-.006	2
91	MP4C	X	32.926	4
92	MP4C	Z	-57.03	4
93	MP4C	Mx	-.006	4
94	MP2A	X	33.178	2
95	MP2A	Z	-57.466	2
96	MP2A	Mx	.017	2
97	MP2B	X	21.903	2
98	MP2B	Z	-37.937	2
99	MP2B	Mx	-.019	2
100	MP2C	X	38.136	2
101	MP2C	Z	-66.053	2
102	MP2C	Mx	.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	136.707	1
2	MP2A	Z	-78.928	1
3	MP2A	Mx	-.134	1
4	MP2A	X	136.707	5
5	MP2A	Z	-78.928	5
6	MP2A	Mx	-.134	5
7	MP2B	X	158.42	1
8	MP2B	Z	-91.464	1
9	MP2B	Mx	-.086	1
10	MP2B	X	158.42	5
11	MP2B	Z	-91.464	5
12	MP2B	Mx	-.086	5
13	MP2C	X	164.197	1
14	MP2C	Z	-94.799	1
15	MP2C	Mx	.181	1
16	MP2C	X	164.197	5
17	MP2C	Z	-94.799	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.181	5
19	MP2A	X	136.707	1
20	MP2A	Z	-78.928	1
21	MP2A	Mx	-.003	1
22	MP2A	X	136.707	5
23	MP2A	Z	-78.928	5
24	MP2A	Mx	-.003	5
25	MP2B	X	158.42	1
26	MP2B	Z	-91.464	1
27	MP2B	Mx	.178	1
28	MP2B	X	158.42	5
29	MP2B	Z	-91.464	5
30	MP2B	Mx	.178	5
31	MP2C	X	164.197	1
32	MP2C	Z	-94.799	1
33	MP2C	Mx	-.116	1
34	MP2C	X	164.197	5
35	MP2C	Z	-94.799	5
36	MP2C	Mx	-.116	5
37	MP3A	X	43.82	2
38	MP3A	Z	-25.3	2
39	MP3A	Mx	-.022	2
40	MP3A	X	43.82	4
41	MP3A	Z	-25.3	4
42	MP3A	Mx	-.022	4
43	MP3B	X	68.346	2
44	MP3B	Z	-39.459	2
45	MP3B	Mx	.02	2
46	MP3B	X	68.346	4
47	MP3B	Z	-39.459	4
48	MP3B	Mx	.02	4
49	MP3C	X	74.87	2
50	MP3C	Z	-43.226	2
51	MP3C	Mx	.015	2
52	MP3C	X	74.87	4
53	MP3C	Z	-43.226	4
54	MP3C	Mx	.015	4
55	M117	X	97.285	1
56	M117	Z	-56.168	1
57	M117	Mx	-.049	1
58	MP1A	X	48.193	2
59	MP1A	Z	-27.824	2
60	MP1A	Mx	.008	2
61	MP1B	X	58.827	2
62	MP1B	Z	-33.964	2
63	MP1B	Mx	-.051	2
64	MP1C	X	61.656	2
65	MP1C	Z	-35.597	2
66	MP1C	Mx	.027	2
67	MP1A	X	42.083	2
68	MP1A	Z	-24.297	2
69	MP1A	Mx	.035	2
70	MP1B	X	56.79	2
71	MP1B	Z	-32.788	2
72	MP1B	Mx	.017	2
73	MP1C	X	60.703	2
74	MP1C	Z	-35.047	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1C	Mx	-.05	2
76	MP4A	X	55.078	2
77	MP4A	Z	-31.799	2
78	MP4A	Mx	-.028	2
79	MP4A	X	55.078	4
80	MP4A	Z	-31.799	4
81	MP4A	Mx	-.028	4
82	MP4B	X	56.434	2
83	MP4B	Z	-32.582	2
84	MP4B	Mx	.016	2
85	MP4B	X	56.434	4
86	MP4B	Z	-32.582	4
87	MP4B	Mx	.016	4
88	MP4C	X	56.794	2
89	MP4C	Z	-32.79	2
90	MP4C	Mx	.011	2
91	MP4C	X	56.794	4
92	MP4C	Z	-32.79	4
93	MP4C	Mx	.011	4
94	MP2A	X	37.937	2
95	MP2A	Z	-21.903	2
96	MP2A	Mx	.019	2
97	MP2B	X	57.466	2
98	MP2B	Z	-33.178	2
99	MP2B	Mx	-.017	2
100	MP2C	X	62.662	2
101	MP2C	Z	-36.178	2
102	MP2C	Mx	-.012	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	145.32	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.073	1
4	MP2A	X	145.32	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.073	5
7	MP2B	X	195.464	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.163	1
10	MP2B	X	195.464	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.163	5
13	MP2C	X	166.038	1
14	MP2C	Z	0	1
15	MP2C	Mx	.153	1
16	MP2C	X	166.038	5
17	MP2C	Z	0	5
18	MP2C	Mx	.153	5
19	MP2A	X	145.32	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.073	1
22	MP2A	X	145.32	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.073	5
25	MP2B	X	195.464	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	0	1
27	MP2B	Mx	.163	1
28	MP2B	X	195.464	5
29	MP2B	Z	0	5
30	MP2B	Mx	.163	5
31	MP2C	X	166.038	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.025	1
34	MP2C	X	166.038	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.025	5
37	MP3A	X	36.44	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.018	2
40	MP3A	X	36.44	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.018	4
43	MP3B	X	93.078	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	93.078	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	59.841	2
50	MP3C	Z	0	2
51	MP3C	Mx	.023	2
52	MP3C	X	59.841	4
53	MP3C	Z	0	4
54	MP3C	Mx	.023	4
55	M117	X	99.742	1
56	M117	Z	0	1
57	M117	Mx	-.05	1
58	MP1A	X	49.51	2
59	MP1A	Z	0	2
60	MP1A	Mx	.025	2
61	MP1B	X	74.066	2
62	MP1B	Z	0	2
63	MP1B	Mx	-.043	2
64	MP1C	X	59.656	2
65	MP1C	Z	0	2
66	MP1C	Mx	-.000481	2
67	MP1A	X	40.103	2
68	MP1A	Z	0	2
69	MP1A	Mx	.02	2
70	MP1B	X	74.066	2
71	MP1B	Z	0	2
72	MP1B	Mx	.043	2
73	MP1C	X	54.136	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.041	2
76	MP4A	X	62.816	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.031	2
79	MP4A	X	62.816	4
80	MP4A	Z	0	4
81	MP4A	Mx	-.031	4
82	MP4B	X	65.947	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	65.947	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	64.11	2
89	MP4C	Z	0	2
90	MP4C	Mx	.025	2
91	MP4C	X	64.11	4
92	MP4C	Z	0	4
93	MP4C	Mx	.025	4
94	MP2A	X	32.531	2
95	MP2A	Z	0	2
96	MP2A	Mx	.016	2
97	MP2B	X	77.631	2
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	51.165	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	136.707	1
2	MP2A	Z	78.928	1
3	MP2A	Mx	-.003	1
4	MP2A	X	136.707	5
5	MP2A	Z	78.928	5
6	MP2A	Mx	-.003	5
7	MP2B	X	158.42	1
8	MP2B	Z	91.464	1
9	MP2B	Mx	-.178	1
10	MP2B	X	158.42	5
11	MP2B	Z	91.464	5
12	MP2B	Mx	-.178	5
13	MP2C	X	127.16	1
14	MP2C	Z	73.416	1
15	MP2C	Mx	.094	1
16	MP2C	X	127.16	5
17	MP2C	Z	73.416	5
18	MP2C	Mx	.094	5
19	MP2A	X	136.707	1
20	MP2A	Z	78.928	1
21	MP2A	Mx	-.134	1
22	MP2A	X	136.707	5
23	MP2A	Z	78.928	5
24	MP2A	Mx	-.134	5
25	MP2B	X	158.42	1
26	MP2B	Z	91.464	1
27	MP2B	Mx	.086	1
28	MP2B	X	158.42	5
29	MP2B	Z	91.464	5
30	MP2B	Mx	.086	5
31	MP2C	X	127.16	1
32	MP2C	Z	73.416	1
33	MP2C	Mx	.051	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	127.16	5
35	MP2C	Z	73.416	5
36	MP2C	Mx	.051	5
37	MP3A	X	43.82	2
38	MP3A	Z	25.3	2
39	MP3A	Mx	-.022	2
40	MP3A	X	43.82	4
41	MP3A	Z	25.3	4
42	MP3A	Mx	-.022	4
43	MP3B	X	68.346	2
44	MP3B	Z	39.459	2
45	MP3B	Mx	-.02	2
46	MP3B	X	68.346	4
47	MP3B	Z	39.459	4
48	MP3B	Mx	-.02	4
49	MP3C	X	33.037	2
50	MP3C	Z	19.074	2
51	MP3C	Mx	.019	2
52	MP3C	X	33.037	4
53	MP3C	Z	19.074	4
54	MP3C	Mx	.019	4
55	M117	X	97.285	1
56	M117	Z	56.168	1
57	M117	Mx	-.049	1
58	MP1A	X	48.193	2
59	MP1A	Z	27.824	2
60	MP1A	Mx	.04	2
61	MP1B	X	58.827	2
62	MP1B	Z	33.964	2
63	MP1B	Mx	-.017	2
64	MP1C	X	43.518	2
65	MP1C	Z	25.125	2
66	MP1C	Mx	-.02	2
67	MP1A	X	42.083	2
68	MP1A	Z	24.297	2
69	MP1A	Mx	.007	2
70	MP1B	X	56.79	2
71	MP1B	Z	32.788	2
72	MP1B	Mx	.05	2
73	MP1C	X	35.617	2
74	MP1C	Z	20.563	2
75	MP1C	Mx	-.024	2
76	MP4A	X	55.078	2
77	MP4A	Z	31.799	2
78	MP4A	Mx	-.028	2
79	MP4A	X	55.078	4
80	MP4A	Z	31.799	4
81	MP4A	Mx	-.028	4
82	MP4B	X	56.434	2
83	MP4B	Z	32.582	2
84	MP4B	Mx	-.016	2
85	MP4B	X	56.434	4
86	MP4B	Z	32.582	4
87	MP4B	Mx	-.016	4
88	MP4C	X	54.482	2
89	MP4C	Z	31.455	2
90	MP4C	Mx	.031	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP4C	X	54.482	4
92	MP4C	Z	31.455	4
93	MP4C	Mx	.031	4
94	MP2A	X	37.937	2
95	MP2A	Z	21.903	2
96	MP2A	Mx	.019	2
97	MP2B	X	57.466	2
98	MP2B	Z	33.178	2
99	MP2B	Mx	.017	2
100	MP2C	X	29.351	2
101	MP2C	Z	16.946	2
102	MP2C	Mx	-.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	91.464	1
2	MP2A	Z	158.42	1
3	MP2A	Mx	.086	1
4	MP2A	X	91.464	5
5	MP2A	Z	158.42	5
6	MP2A	Mx	.086	5
7	MP2B	X	78.928	1
8	MP2B	Z	136.707	1
9	MP2B	Mx	-.134	1
10	MP2B	X	78.928	5
11	MP2B	Z	136.707	5
12	MP2B	Mx	-.134	5
13	MP2C	X	75.593	1
14	MP2C	Z	130.931	1
15	MP2C	Mx	.028	1
16	MP2C	X	75.593	5
17	MP2C	Z	130.931	5
18	MP2C	Mx	.028	5
19	MP2A	X	91.464	1
20	MP2A	Z	158.42	1
21	MP2A	Mx	-.178	1
22	MP2A	X	91.464	5
23	MP2A	Z	158.42	5
24	MP2A	Mx	-.178	5
25	MP2B	X	78.928	1
26	MP2B	Z	136.707	1
27	MP2B	Mx	-.003	1
28	MP2B	X	78.928	5
29	MP2B	Z	136.707	5
30	MP2B	Mx	-.003	5
31	MP2C	X	75.593	1
32	MP2C	Z	130.931	1
33	MP2C	Mx	.114	1
34	MP2C	X	75.593	5
35	MP2C	Z	130.931	5
36	MP2C	Mx	.114	5
37	MP3A	X	39.459	2
38	MP3A	Z	68.346	2
39	MP3A	Mx	-.02	2
40	MP3A	X	39.459	4
41	MP3A	Z	68.346	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.02	4
43	MP3B	X	25.3	2
44	MP3B	Z	43.82	2
45	MP3B	Mx	-.022	2
46	MP3B	X	25.3	4
47	MP3B	Z	43.82	4
48	MP3B	Mx	-.022	4
49	MP3C	X	21.533	2
50	MP3C	Z	37.296	2
51	MP3C	Mx	.02	2
52	MP3C	X	21.533	4
53	MP3C	Z	37.296	4
54	MP3C	Mx	.02	4
55	M117	X	68.76	1
56	M117	Z	119.096	1
57	M117	Mx	-.034	1
58	MP1A	X	33.964	2
59	MP1A	Z	58.827	2
60	MP1A	Mx	.051	2
61	MP1B	X	27.824	2
62	MP1B	Z	48.193	2
63	MP1B	Mx	.008	2
64	MP1C	X	26.191	2
65	MP1C	Z	45.364	2
66	MP1C	Mx	-.035	2
67	MP1A	X	32.788	2
68	MP1A	Z	56.79	2
69	MP1A	Mx	-.017	2
70	MP1B	X	24.297	2
71	MP1B	Z	42.083	2
72	MP1B	Mx	.035	2
73	MP1C	X	22.038	2
74	MP1C	Z	38.171	2
75	MP1C	Mx	-.012	2
76	MP4A	X	32.582	2
77	MP4A	Z	56.434	2
78	MP4A	Mx	-.016	2
79	MP4A	X	32.582	4
80	MP4A	Z	56.434	4
81	MP4A	Mx	-.016	4
82	MP4B	X	31.799	2
83	MP4B	Z	55.078	2
84	MP4B	Mx	-.028	2
85	MP4B	X	31.799	4
86	MP4B	Z	55.078	4
87	MP4B	Mx	-.028	4
88	MP4C	X	31.591	2
89	MP4C	Z	54.718	2
90	MP4C	Mx	.03	2
91	MP4C	X	31.591	4
92	MP4C	Z	54.718	4
93	MP4C	Mx	.03	4
94	MP2A	X	33.178	2
95	MP2A	Z	57.466	2
96	MP2A	Mx	.017	2
97	MP2B	X	21.903	2
98	MP2B	Z	37.937	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP2B	Mx	.019	2
100	MP2C	X	18.903	2
101	MP2C	Z	32.742	2
102	MP2C	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	195.464	1
3	MP2A	Mx	.163	1
4	MP2A	X	0	5
5	MP2A	Z	195.464	5
6	MP2A	Mx	.163	5
7	MP2B	X	0	1
8	MP2B	Z	145.32	1
9	MP2B	Mx	-.073	1
10	MP2B	X	0	5
11	MP2B	Z	145.32	5
12	MP2B	Mx	-.073	5
13	MP2C	X	0	1
14	MP2C	Z	174.746	1
15	MP2C	Mx	-.055	1
16	MP2C	X	0	5
17	MP2C	Z	174.746	5
18	MP2C	Mx	-.055	5
19	MP2A	X	0	1
20	MP2A	Z	195.464	1
21	MP2A	Mx	-.163	1
22	MP2A	X	0	5
23	MP2A	Z	195.464	5
24	MP2A	Mx	-.163	5
25	MP2B	X	0	1
26	MP2B	Z	145.32	1
27	MP2B	Mx	-.073	1
28	MP2B	X	0	5
29	MP2B	Z	145.32	5
30	MP2B	Mx	-.073	5
31	MP2C	X	0	1
32	MP2C	Z	174.746	1
33	MP2C	Mx	.168	1
34	MP2C	X	0	5
35	MP2C	Z	174.746	5
36	MP2C	Mx	.168	5
37	MP3A	X	0	2
38	MP3A	Z	93.078	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	93.078	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	36.44	2
45	MP3B	Mx	-.018	2
46	MP3B	X	0	4
47	MP3B	Z	36.44	4
48	MP3B	Mx	-.018	4
49	MP3C	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	69.677	2
51	MP3C	Mx	.022	2
52	MP3C	X	0	4
53	MP3C	Z	69.677	4
54	MP3C	Mx	.022	4
55	M117	X	0	1
56	M117	Z	150.113	1
57	M117	Mx	0	1
58	MP1A	X	0	2
59	MP1A	Z	74.066	2
60	MP1A	Mx	.043	2
61	MP1B	X	0	2
62	MP1B	Z	49.51	2
63	MP1B	Mx	.025	2
64	MP1C	X	0	2
65	MP1C	Z	63.92	2
66	MP1C	Mx	-.049	2
67	MP1A	X	0	2
68	MP1A	Z	74.066	2
69	MP1A	Mx	-.043	2
70	MP1B	X	0	2
71	MP1B	Z	40.103	2
72	MP1B	Mx	.02	2
73	MP1C	X	0	2
74	MP1C	Z	60.033	2
75	MP1C	Mx	.008	2
76	MP4A	X	0	2
77	MP4A	Z	65.947	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	65.947	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	62.816	2
84	MP4B	Mx	-.031	2
85	MP4B	X	0	4
86	MP4B	Z	62.816	4
87	MP4B	Mx	-.031	4
88	MP4C	X	0	2
89	MP4C	Z	64.653	2
90	MP4C	Mx	.021	2
91	MP4C	X	0	4
92	MP4C	Z	64.653	4
93	MP4C	Mx	.021	4
94	MP2A	X	0	2
95	MP2A	Z	77.631	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2
98	MP2B	Z	32.531	2
99	MP2B	Mx	.016	2
100	MP2C	X	0	2
101	MP2C	Z	58.997	2
102	MP2C	Mx	-.019	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-91.464	1
2	MP2A	Z	158.42	1
3	MP2A	Mx	.178	1
4	MP2A	X	-91.464	5
5	MP2A	Z	158.42	5
6	MP2A	Mx	.178	5
7	MP2B	X	-78.928	1
8	MP2B	Z	136.707	1
9	MP2B	Mx	-.003	1
10	MP2B	X	-78.928	5
11	MP2B	Z	136.707	5
12	MP2B	Mx	-.003	5
13	MP2C	X	-96.976	1
14	MP2C	Z	167.967	1
15	MP2C	Mx	-.142	1
16	MP2C	X	-96.976	5
17	MP2C	Z	167.967	5
18	MP2C	Mx	-.142	5
19	MP2A	X	-91.464	1
20	MP2A	Z	158.42	1
21	MP2A	Mx	-.086	1
22	MP2A	X	-91.464	5
23	MP2A	Z	158.42	5
24	MP2A	Mx	-.086	5
25	MP2B	X	-78.928	1
26	MP2B	Z	136.707	1
27	MP2B	Mx	-.134	1
28	MP2B	X	-78.928	5
29	MP2B	Z	136.707	5
30	MP2B	Mx	-.134	5
31	MP2C	X	-96.976	1
32	MP2C	Z	167.967	1
33	MP2C	Mx	.176	1
34	MP2C	X	-96.976	5
35	MP2C	Z	167.967	5
36	MP2C	Mx	.176	5
37	MP3A	X	-39.459	2
38	MP3A	Z	68.346	2
39	MP3A	Mx	.02	2
40	MP3A	X	-39.459	4
41	MP3A	Z	68.346	4
42	MP3A	Mx	.02	4
43	MP3B	X	-25.3	2
44	MP3B	Z	43.82	2
45	MP3B	Mx	-.022	2
46	MP3B	X	-25.3	4
47	MP3B	Z	43.82	4
48	MP3B	Mx	-.022	4
49	MP3C	X	-45.685	2
50	MP3C	Z	79.129	2
51	MP3C	Mx	.008	2
52	MP3C	X	-45.685	4
53	MP3C	Z	79.129	4
54	MP3C	Mx	.008	4
55	M117	X	-68.76	1
56	M117	Z	119.096	1
57	M117	Mx	.034	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	-33.964	2
59	MP1A	Z	58.827	2
60	MP1A	Mx	.017	2
61	MP1B	X	-27.824	2
62	MP1B	Z	48.193	2
63	MP1B	Mx	.04	2
64	MP1C	X	-36.663	2
65	MP1C	Z	63.502	2
66	MP1C	Mx	-.048	2
67	MP1A	X	-32.788	2
68	MP1A	Z	56.79	2
69	MP1A	Mx	-.05	2
70	MP1B	X	-24.297	2
71	MP1B	Z	42.083	2
72	MP1B	Mx	.007	2
73	MP1C	X	-36.521	2
74	MP1C	Z	63.256	2
75	MP1C	Mx	.036	2
76	MP4A	X	-32.582	2
77	MP4A	Z	56.434	2
78	MP4A	Mx	.016	2
79	MP4A	X	-32.582	4
80	MP4A	Z	56.434	4
81	MP4A	Mx	.016	4
82	MP4B	X	-31.799	2
83	MP4B	Z	55.078	2
84	MP4B	Mx	-.028	2
85	MP4B	X	-31.799	4
86	MP4B	Z	55.078	4
87	MP4B	Mx	-.028	4
88	MP4C	X	-32.926	2
89	MP4C	Z	57.03	2
90	MP4C	Mx	.006	2
91	MP4C	X	-32.926	4
92	MP4C	Z	57.03	4
93	MP4C	Mx	.006	4
94	MP2A	X	-33.178	2
95	MP2A	Z	57.466	2
96	MP2A	Mx	-.017	2
97	MP2B	X	-21.903	2
98	MP2B	Z	37.937	2
99	MP2B	Mx	.019	2
100	MP2C	X	-38.136	2
101	MP2C	Z	66.053	2
102	MP2C	Mx	-.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-136.707	1
2	MP2A	Z	78.928	1
3	MP2A	Mx	.134	1
4	MP2A	X	-136.707	5
5	MP2A	Z	78.928	5
6	MP2A	Mx	.134	5
7	MP2B	X	-158.42	1
8	MP2B	Z	91.464	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.086	1
10	MP2B	X	-158.42	5
11	MP2B	Z	91.464	5
12	MP2B	Mx	.086	5
13	MP2C	X	-164.197	1
14	MP2C	Z	94.799	1
15	MP2C	Mx	-.181	1
16	MP2C	X	-164.197	5
17	MP2C	Z	94.799	5
18	MP2C	Mx	-.181	5
19	MP2A	X	-136.707	1
20	MP2A	Z	78.928	1
21	MP2A	Mx	.003	1
22	MP2A	X	-136.707	5
23	MP2A	Z	78.928	5
24	MP2A	Mx	.003	5
25	MP2B	X	-158.42	1
26	MP2B	Z	91.464	1
27	MP2B	Mx	-.178	1
28	MP2B	X	-158.42	5
29	MP2B	Z	91.464	5
30	MP2B	Mx	-.178	5
31	MP2C	X	-164.197	1
32	MP2C	Z	94.799	1
33	MP2C	Mx	.116	1
34	MP2C	X	-164.197	5
35	MP2C	Z	94.799	5
36	MP2C	Mx	.116	5
37	MP3A	X	-43.82	2
38	MP3A	Z	25.3	2
39	MP3A	Mx	.022	2
40	MP3A	X	-43.82	4
41	MP3A	Z	25.3	4
42	MP3A	Mx	.022	4
43	MP3B	X	-68.346	2
44	MP3B	Z	39.459	2
45	MP3B	Mx	-.02	2
46	MP3B	X	-68.346	4
47	MP3B	Z	39.459	4
48	MP3B	Mx	-.02	4
49	MP3C	X	-74.87	2
50	MP3C	Z	43.226	2
51	MP3C	Mx	-.015	2
52	MP3C	X	-74.87	4
53	MP3C	Z	43.226	4
54	MP3C	Mx	-.015	4
55	M117	X	-97.285	1
56	M117	Z	56.168	1
57	M117	Mx	.049	1
58	MP1A	X	-48.193	2
59	MP1A	Z	27.824	2
60	MP1A	Mx	-.008	2
61	MP1B	X	-58.827	2
62	MP1B	Z	33.964	2
63	MP1B	Mx	.051	2
64	MP1C	X	-61.656	2
65	MP1C	Z	35.597	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.027	2
67	MP1A	X	-42.083	2
68	MP1A	Z	24.297	2
69	MP1A	Mx	-.035	2
70	MP1B	X	-56.79	2
71	MP1B	Z	32.788	2
72	MP1B	Mx	-.017	2
73	MP1C	X	-60.703	2
74	MP1C	Z	35.047	2
75	MP1C	Mx	.05	2
76	MP4A	X	-55.078	2
77	MP4A	Z	31.799	2
78	MP4A	Mx	.028	2
79	MP4A	X	-55.078	4
80	MP4A	Z	31.799	4
81	MP4A	Mx	.028	4
82	MP4B	X	-56.434	2
83	MP4B	Z	32.582	2
84	MP4B	Mx	-.016	2
85	MP4B	X	-56.434	4
86	MP4B	Z	32.582	4
87	MP4B	Mx	-.016	4
88	MP4C	X	-56.794	2
89	MP4C	Z	32.79	2
90	MP4C	Mx	-.011	2
91	MP4C	X	-56.794	4
92	MP4C	Z	32.79	4
93	MP4C	Mx	-.011	4
94	MP2A	X	-37.937	2
95	MP2A	Z	21.903	2
96	MP2A	Mx	-.019	2
97	MP2B	X	-57.466	2
98	MP2B	Z	33.178	2
99	MP2B	Mx	.017	2
100	MP2C	X	-62.662	2
101	MP2C	Z	36.178	2
102	MP2C	Mx	.012	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-145.32	1
2	MP2A	Z	0	1
3	MP2A	Mx	.073	1
4	MP2A	X	-145.32	5
5	MP2A	Z	0	5
6	MP2A	Mx	.073	5
7	MP2B	X	-195.464	1
8	MP2B	Z	0	1
9	MP2B	Mx	.163	1
10	MP2B	X	-195.464	5
11	MP2B	Z	0	5
12	MP2B	Mx	.163	5
13	MP2C	X	-166.038	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.153	1
16	MP2C	X	-166.038	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	0	5
18	MP2C	Mx	-.153	5
19	MP2A	X	-145.32	1
20	MP2A	Z	0	1
21	MP2A	Mx	.073	1
22	MP2A	X	-145.32	5
23	MP2A	Z	0	5
24	MP2A	Mx	.073	5
25	MP2B	X	-195.464	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.163	1
28	MP2B	X	-195.464	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.163	5
31	MP2C	X	-166.038	1
32	MP2C	Z	0	1
33	MP2C	Mx	.025	1
34	MP2C	X	-166.038	5
35	MP2C	Z	0	5
36	MP2C	Mx	.025	5
37	MP3A	X	-36.44	2
38	MP3A	Z	0	2
39	MP3A	Mx	.018	2
40	MP3A	X	-36.44	4
41	MP3A	Z	0	4
42	MP3A	Mx	.018	4
43	MP3B	X	-93.078	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-93.078	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-59.841	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.023	2
52	MP3C	X	-59.841	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.023	4
55	M117	X	-99.742	1
56	M117	Z	0	1
57	M117	Mx	.05	1
58	MP1A	X	-49.51	2
59	MP1A	Z	0	2
60	MP1A	Mx	-.025	2
61	MP1B	X	-74.066	2
62	MP1B	Z	0	2
63	MP1B	Mx	.043	2
64	MP1C	X	-59.656	2
65	MP1C	Z	0	2
66	MP1C	Mx	.000481	2
67	MP1A	X	-40.103	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.02	2
70	MP1B	X	-74.066	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.043	2
73	MP1C	X	-54.136	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	0	2
75	MP1C	Mx	.041	2
76	MP4A	X	-62.816	2
77	MP4A	Z	0	2
78	MP4A	Mx	.031	2
79	MP4A	X	-62.816	4
80	MP4A	Z	0	4
81	MP4A	Mx	.031	4
82	MP4B	X	-65.947	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-65.947	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-64.11	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.025	2
91	MP4C	X	-64.11	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.025	4
94	MP2A	X	-32.531	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.016	2
97	MP2B	X	-77.631	2
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	-51.165	2
101	MP2C	Z	0	2
102	MP2C	Mx	.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-136.707	1
2	MP2A	Z	-78.928	1
3	MP2A	Mx	.003	1
4	MP2A	X	-136.707	5
5	MP2A	Z	-78.928	5
6	MP2A	Mx	.003	5
7	MP2B	X	-158.42	1
8	MP2B	Z	-91.464	1
9	MP2B	Mx	.178	1
10	MP2B	X	-158.42	5
11	MP2B	Z	-91.464	5
12	MP2B	Mx	.178	5
13	MP2C	X	-127.16	1
14	MP2C	Z	-73.416	1
15	MP2C	Mx	-.094	1
16	MP2C	X	-127.16	5
17	MP2C	Z	-73.416	5
18	MP2C	Mx	-.094	5
19	MP2A	X	-136.707	1
20	MP2A	Z	-78.928	1
21	MP2A	Mx	.134	1
22	MP2A	X	-136.707	5
23	MP2A	Z	-78.928	5
24	MP2A	Mx	.134	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-158.42	1
26	MP2B	Z	-91.464	1
27	MP2B	Mx	-.086	1
28	MP2B	X	-158.42	5
29	MP2B	Z	-91.464	5
30	MP2B	Mx	-.086	5
31	MP2C	X	-127.16	1
32	MP2C	Z	-73.416	1
33	MP2C	Mx	-.051	1
34	MP2C	X	-127.16	5
35	MP2C	Z	-73.416	5
36	MP2C	Mx	-.051	5
37	MP3A	X	-43.82	2
38	MP3A	Z	-25.3	2
39	MP3A	Mx	.022	2
40	MP3A	X	-43.82	4
41	MP3A	Z	-25.3	4
42	MP3A	Mx	.022	4
43	MP3B	X	-68.346	2
44	MP3B	Z	-39.459	2
45	MP3B	Mx	.02	2
46	MP3B	X	-68.346	4
47	MP3B	Z	-39.459	4
48	MP3B	Mx	.02	4
49	MP3C	X	-33.037	2
50	MP3C	Z	-19.074	2
51	MP3C	Mx	-.019	2
52	MP3C	X	-33.037	4
53	MP3C	Z	-19.074	4
54	MP3C	Mx	-.019	4
55	M117	X	-97.285	1
56	M117	Z	-56.168	1
57	M117	Mx	.049	1
58	MP1A	X	-48.193	2
59	MP1A	Z	-27.824	2
60	MP1A	Mx	-.04	2
61	MP1B	X	-58.827	2
62	MP1B	Z	-33.964	2
63	MP1B	Mx	.017	2
64	MP1C	X	-43.518	2
65	MP1C	Z	-25.125	2
66	MP1C	Mx	.02	2
67	MP1A	X	-42.083	2
68	MP1A	Z	-24.297	2
69	MP1A	Mx	-.007	2
70	MP1B	X	-56.79	2
71	MP1B	Z	-32.788	2
72	MP1B	Mx	-.05	2
73	MP1C	X	-35.617	2
74	MP1C	Z	-20.563	2
75	MP1C	Mx	.024	2
76	MP4A	X	-55.078	2
77	MP4A	Z	-31.799	2
78	MP4A	Mx	.028	2
79	MP4A	X	-55.078	4
80	MP4A	Z	-31.799	4
81	MP4A	Mx	.028	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	X	-56.434	2
83	MP4B	Z	-32.582	2
84	MP4B	Mx	.016	2
85	MP4B	X	-56.434	4
86	MP4B	Z	-32.582	4
87	MP4B	Mx	.016	4
88	MP4C	X	-54.482	2
89	MP4C	Z	-31.455	2
90	MP4C	Mx	-.031	2
91	MP4C	X	-54.482	4
92	MP4C	Z	-31.455	4
93	MP4C	Mx	-.031	4
94	MP2A	X	-37.937	2
95	MP2A	Z	-21.903	2
96	MP2A	Mx	-.019	2
97	MP2B	X	-57.466	2
98	MP2B	Z	-33.178	2
99	MP2B	Mx	-.017	2
100	MP2C	X	-29.351	2
101	MP2C	Z	-16.946	2
102	MP2C	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-91.464	1
2	MP2A	Z	-158.42	1
3	MP2A	Mx	-.086	1
4	MP2A	X	-91.464	5
5	MP2A	Z	-158.42	5
6	MP2A	Mx	-.086	5
7	MP2B	X	-78.928	1
8	MP2B	Z	-136.707	1
9	MP2B	Mx	.134	1
10	MP2B	X	-78.928	5
11	MP2B	Z	-136.707	5
12	MP2B	Mx	.134	5
13	MP2C	X	-75.593	1
14	MP2C	Z	-130.931	1
15	MP2C	Mx	-.028	1
16	MP2C	X	-75.593	5
17	MP2C	Z	-130.931	5
18	MP2C	Mx	-.028	5
19	MP2A	X	-91.464	1
20	MP2A	Z	-158.42	1
21	MP2A	Mx	.178	1
22	MP2A	X	-91.464	5
23	MP2A	Z	-158.42	5
24	MP2A	Mx	.178	5
25	MP2B	X	-78.928	1
26	MP2B	Z	-136.707	1
27	MP2B	Mx	.003	1
28	MP2B	X	-78.928	5
29	MP2B	Z	-136.707	5
30	MP2B	Mx	.003	5
31	MP2C	X	-75.593	1
32	MP2C	Z	-130.931	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.114	1
34	MP2C	X	-75.593	5
35	MP2C	Z	-130.931	5
36	MP2C	Mx	-.114	5
37	MP3A	X	-39.459	2
38	MP3A	Z	-68.346	2
39	MP3A	Mx	.02	2
40	MP3A	X	-39.459	4
41	MP3A	Z	-68.346	4
42	MP3A	Mx	.02	4
43	MP3B	X	-25.3	2
44	MP3B	Z	-43.82	2
45	MP3B	Mx	.022	2
46	MP3B	X	-25.3	4
47	MP3B	Z	-43.82	4
48	MP3B	Mx	.022	4
49	MP3C	X	-21.533	2
50	MP3C	Z	-37.296	2
51	MP3C	Mx	-.02	2
52	MP3C	X	-21.533	4
53	MP3C	Z	-37.296	4
54	MP3C	Mx	-.02	4
55	M117	X	-68.76	1
56	M117	Z	-119.096	1
57	M117	Mx	.034	1
58	MP1A	X	-33.964	2
59	MP1A	Z	-58.827	2
60	MP1A	Mx	-.051	2
61	MP1B	X	-27.824	2
62	MP1B	Z	-48.193	2
63	MP1B	Mx	-.008	2
64	MP1C	X	-26.191	2
65	MP1C	Z	-45.364	2
66	MP1C	Mx	.035	2
67	MP1A	X	-32.788	2
68	MP1A	Z	-56.79	2
69	MP1A	Mx	.017	2
70	MP1B	X	-24.297	2
71	MP1B	Z	-42.083	2
72	MP1B	Mx	-.035	2
73	MP1C	X	-22.038	2
74	MP1C	Z	-38.171	2
75	MP1C	Mx	.012	2
76	MP4A	X	-32.582	2
77	MP4A	Z	-56.434	2
78	MP4A	Mx	.016	2
79	MP4A	X	-32.582	4
80	MP4A	Z	-56.434	4
81	MP4A	Mx	.016	4
82	MP4B	X	-31.799	2
83	MP4B	Z	-55.078	2
84	MP4B	Mx	.028	2
85	MP4B	X	-31.799	4
86	MP4B	Z	-55.078	4
87	MP4B	Mx	.028	4
88	MP4C	X	-31.591	2
89	MP4C	Z	-54.718	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	-.03	2
91	MP4C	X	-31.591	4
92	MP4C	Z	-54.718	4
93	MP4C	Mx	-.03	4
94	MP2A	X	-33.178	2
95	MP2A	Z	-57.466	2
96	MP2A	Mx	-.017	2
97	MP2B	X	-21.903	2
98	MP2B	Z	-37.937	2
99	MP2B	Mx	-.019	2
100	MP2C	X	-18.903	2
101	MP2C	Z	-32.742	2
102	MP2C	Mx	.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-38.922	1
3	MP2A	Mx	-.032	1
4	MP2A	X	0	5
5	MP2A	Z	-38.922	5
6	MP2A	Mx	-.032	5
7	MP2B	X	0	1
8	MP2B	Z	-29.444	1
9	MP2B	Mx	.015	1
10	MP2B	X	0	5
11	MP2B	Z	-29.444	5
12	MP2B	Mx	.015	5
13	MP2C	X	0	1
14	MP2C	Z	-35.006	1
15	MP2C	Mx	.011	1
16	MP2C	X	0	5
17	MP2C	Z	-35.006	5
18	MP2C	Mx	.011	5
19	MP2A	X	0	1
20	MP2A	Z	-38.922	1
21	MP2A	Mx	.032	1
22	MP2A	X	0	5
23	MP2A	Z	-38.922	5
24	MP2A	Mx	.032	5
25	MP2B	X	0	1
26	MP2B	Z	-29.444	1
27	MP2B	Mx	.015	1
28	MP2B	X	0	5
29	MP2B	Z	-29.444	5
30	MP2B	Mx	.015	5
31	MP2C	X	0	1
32	MP2C	Z	-35.006	1
33	MP2C	Mx	-.034	1
34	MP2C	X	0	5
35	MP2C	Z	-35.006	5
36	MP2C	Mx	-.034	5
37	MP3A	X	0	2
38	MP3A	Z	-19.201	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-19.201	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-8.178	2
45	MP3B	Mx	.004	2
46	MP3B	X	0	4
47	MP3B	Z	-8.178	4
48	MP3B	Mx	.004	4
49	MP3C	X	0	2
50	MP3C	Z	-14.646	2
51	MP3C	Mx	-.005	2
52	MP3C	X	0	4
53	MP3C	Z	-14.646	4
54	MP3C	Mx	-.005	4
55	M117	X	0	1
56	M117	Z	-31.255	1
57	M117	Mx	0	1
58	MP1A	X	0	2
59	MP1A	Z	-16.181	2
60	MP1A	Mx	-.009	2
61	MP1B	X	0	2
62	MP1B	Z	-11.255	2
63	MP1B	Mx	-.006	2
64	MP1C	X	0	2
65	MP1C	Z	-14.146	2
66	MP1C	Mx	.011	2
67	MP1A	X	0	2
68	MP1A	Z	-16.181	2
69	MP1A	Mx	.009	2
70	MP1B	X	0	2
71	MP1B	Z	-9.383	2
72	MP1B	Mx	-.005	2
73	MP1C	X	0	2
74	MP1C	Z	-13.372	2
75	MP1C	Mx	-.002	2
76	MP4A	X	0	2
77	MP4A	Z	-14.004	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-14.004	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	-13.387	2
84	MP4B	Mx	.007	2
85	MP4B	X	0	4
86	MP4B	Z	-13.387	4
87	MP4B	Mx	.007	4
88	MP4C	X	0	2
89	MP4C	Z	-13.749	2
90	MP4C	Mx	-.004	2
91	MP4C	X	0	4
92	MP4C	Z	-13.749	4
93	MP4C	Mx	-.004	4
94	MP2A	X	0	2
95	MP2A	Z	-16.777	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2B	Z	-7.895	2
99	MP2B	Mx	-.004	2
100	MP2C	X	0	2
101	MP2C	Z	-13.107	2
102	MP2C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.276	1
2	MP2A	Z	-31.655	1
3	MP2A	Mx	-.036	1
4	MP2A	X	18.276	5
5	MP2A	Z	-31.655	5
6	MP2A	Mx	-.036	5
7	MP2B	X	15.907	1
8	MP2B	Z	-27.551	1
9	MP2B	Mx	.00052	1
10	MP2B	X	15.907	5
11	MP2B	Z	-27.551	5
12	MP2B	Mx	.00052	5
13	MP2C	X	19.318	1
14	MP2C	Z	-33.46	1
15	MP2C	Mx	.028	1
16	MP2C	X	19.318	5
17	MP2C	Z	-33.46	5
18	MP2C	Mx	.028	5
19	MP2A	X	18.276	1
20	MP2A	Z	-31.655	1
21	MP2A	Mx	.017	1
22	MP2A	X	18.276	5
23	MP2A	Z	-31.655	5
24	MP2A	Mx	.017	5
25	MP2B	X	15.907	1
26	MP2B	Z	-27.551	1
27	MP2B	Mx	.027	1
28	MP2B	X	15.907	5
29	MP2B	Z	-27.551	5
30	MP2B	Mx	.027	5
31	MP2C	X	19.318	1
32	MP2C	Z	-33.46	1
33	MP2C	Mx	-.035	1
34	MP2C	X	19.318	5
35	MP2C	Z	-33.46	5
36	MP2C	Mx	-.035	5
37	MP3A	X	8.222	2
38	MP3A	Z	-14.242	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.222	4
41	MP3A	Z	-14.242	4
42	MP3A	Mx	-.004	4
43	MP3B	X	5.467	2
44	MP3B	Z	-9.469	2
45	MP3B	Mx	.005	2
46	MP3B	X	5.467	4
47	MP3B	Z	-9.469	4
48	MP3B	Mx	.005	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	9.434	2
50	MP3C	Z	-16.34	2
51	MP3C	Mx	-.002	2
52	MP3C	X	9.434	4
53	MP3C	Z	-16.34	4
54	MP3C	Mx	-.002	4
55	M117	X	14.393	1
56	M117	Z	-24.929	1
57	M117	Mx	-.007	1
58	MP1A	X	7.475	2
59	MP1A	Z	-12.947	2
60	MP1A	Mx	-.004	2
61	MP1B	X	6.243	2
62	MP1B	Z	-10.814	2
63	MP1B	Mx	-.009	2
64	MP1C	X	8.016	2
65	MP1C	Z	-13.885	2
66	MP1C	Mx	.011	2
67	MP1A	X	7.241	2
68	MP1A	Z	-12.542	2
69	MP1A	Mx	.011	2
70	MP1B	X	5.541	2
71	MP1B	Z	-9.598	2
72	MP1B	Mx	-.002	2
73	MP1C	X	7.988	2
74	MP1C	Z	-13.836	2
75	MP1C	Mx	-.008	2
76	MP4A	X	6.925	2
77	MP4A	Z	-11.994	2
78	MP4A	Mx	-.003	2
79	MP4A	X	6.925	4
80	MP4A	Z	-11.994	4
81	MP4A	Mx	-.003	4
82	MP4B	X	6.771	2
83	MP4B	Z	-11.727	2
84	MP4B	Mx	.006	2
85	MP4B	X	6.771	4
86	MP4B	Z	-11.727	4
87	MP4B	Mx	.006	4
88	MP4C	X	6.993	2
89	MP4C	Z	-12.112	2
90	MP4C	Mx	-.001	2
91	MP4C	X	6.993	4
92	MP4C	Z	-12.112	4
93	MP4C	Mx	-.001	4
94	MP2A	X	7.278	2
95	MP2A	Z	-12.606	2
96	MP2A	Mx	.004	2
97	MP2B	X	5.058	2
98	MP2B	Z	-8.76	2
99	MP2B	Mx	-.004	2
100	MP2C	X	8.255	2
101	MP2C	Z	-14.298	2
102	MP2C	Mx	.001	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	27.551	1
2	MP2A	Z	-15.907	1
3	MP2A	Mx	-.027	1
4	MP2A	X	27.551	5
5	MP2A	Z	-15.907	5
6	MP2A	Mx	-.027	5
7	MP2B	X	31.655	1
8	MP2B	Z	-18.276	1
9	MP2B	Mx	-.017	1
10	MP2B	X	31.655	5
11	MP2B	Z	-18.276	5
12	MP2B	Mx	-.017	5
13	MP2C	X	32.747	1
14	MP2C	Z	-18.907	1
15	MP2C	Mx	.036	1
16	MP2C	X	32.747	5
17	MP2C	Z	-18.907	5
18	MP2C	Mx	.036	5
19	MP2A	X	27.551	1
20	MP2A	Z	-15.907	1
21	MP2A	Mx	-.00052	1
22	MP2A	X	27.551	5
23	MP2A	Z	-15.907	5
24	MP2A	Mx	-.00052	5
25	MP2B	X	31.655	1
26	MP2B	Z	-18.276	1
27	MP2B	Mx	.036	1
28	MP2B	X	31.655	5
29	MP2B	Z	-18.276	5
30	MP2B	Mx	.036	5
31	MP2C	X	32.747	1
32	MP2C	Z	-18.907	1
33	MP2C	Mx	-.023	1
34	MP2C	X	32.747	5
35	MP2C	Z	-18.907	5
36	MP2C	Mx	-.023	5
37	MP3A	X	9.469	2
38	MP3A	Z	-5.467	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.469	4
41	MP3A	Z	-5.467	4
42	MP3A	Mx	-.005	4
43	MP3B	X	14.242	2
44	MP3B	Z	-8.222	2
45	MP3B	Mx	.004	2
46	MP3B	X	14.242	4
47	MP3B	Z	-8.222	4
48	MP3B	Mx	.004	4
49	MP3C	X	15.512	2
50	MP3C	Z	-8.956	2
51	MP3C	Mx	.003	2
52	MP3C	X	15.512	4
53	MP3C	Z	-8.956	4
54	MP3C	Mx	.003	4
55	M117	X	20.652	1
56	M117	Z	-11.923	1
57	M117	Mx	-.01	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	10.814	2
59	MP1A	Z	-6.243	2
60	MP1A	Mx	.002	2
61	MP1B	X	12.947	2
62	MP1B	Z	-7.475	2
63	MP1B	Mx	-.011	2
64	MP1C	X	13.514	2
65	MP1C	Z	-7.803	2
66	MP1C	Mx	.006	2
67	MP1A	X	9.598	2
68	MP1A	Z	-5.541	2
69	MP1A	Mx	.008	2
70	MP1B	X	12.542	2
71	MP1B	Z	-7.241	2
72	MP1B	Mx	.004	2
73	MP1C	X	13.325	2
74	MP1C	Z	-7.693	2
75	MP1C	Mx	-.011	2
76	MP4A	X	11.727	2
77	MP4A	Z	-6.771	2
78	MP4A	Mx	-.006	2
79	MP4A	X	11.727	4
80	MP4A	Z	-6.771	4
81	MP4A	Mx	-.006	4
82	MP4B	X	11.994	2
83	MP4B	Z	-6.925	2
84	MP4B	Mx	.003	2
85	MP4B	X	11.994	4
86	MP4B	Z	-6.925	4
87	MP4B	Mx	.003	4
88	MP4C	X	12.066	2
89	MP4C	Z	-6.966	2
90	MP4C	Mx	.002	2
91	MP4C	X	12.066	4
92	MP4C	Z	-6.966	4
93	MP4C	Mx	.002	4
94	MP2A	X	8.76	2
95	MP2A	Z	-5.058	2
96	MP2A	Mx	.004	2
97	MP2B	X	12.606	2
98	MP2B	Z	-7.278	2
99	MP2B	Mx	-.004	2
100	MP2C	X	13.63	2
101	MP2C	Z	-7.869	2
102	MP2C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	29.444	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.015	1
4	MP2A	X	29.444	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.015	5
7	MP2B	X	38.922	1
8	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.032	1
10	MP2B	X	38.922	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.032	5
13	MP2C	X	33.36	1
14	MP2C	Z	0	1
15	MP2C	Mx	.031	1
16	MP2C	X	33.36	5
17	MP2C	Z	0	5
18	MP2C	Mx	.031	5
19	MP2A	X	29.444	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.015	1
22	MP2A	X	29.444	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.015	5
25	MP2B	X	38.922	1
26	MP2B	Z	0	1
27	MP2B	Mx	.032	1
28	MP2B	X	38.922	5
29	MP2B	Z	0	5
30	MP2B	Mx	.032	5
31	MP2C	X	33.36	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.005	1
34	MP2C	X	33.36	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.005	5
37	MP3A	X	8.178	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.178	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.004	4
43	MP3B	X	19.201	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	19.201	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	12.732	2
50	MP3C	Z	0	2
51	MP3C	Mx	.005	2
52	MP3C	X	12.732	4
53	MP3C	Z	0	4
54	MP3C	Mx	.005	4
55	M117	X	21.378	1
56	M117	Z	0	1
57	M117	Mx	-.011	1
58	MP1A	X	11.255	2
59	MP1A	Z	0	2
60	MP1A	Mx	.006	2
61	MP1B	X	16.181	2
62	MP1B	Z	0	2
63	MP1B	Mx	-.009	2
64	MP1C	X	13.29	2
65	MP1C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.000107	2
67	MP1A	X	9.383	2
68	MP1A	Z	0	2
69	MP1A	Mx	.005	2
70	MP1B	X	16.181	2
71	MP1B	Z	0	2
72	MP1B	Mx	.009	2
73	MP1C	X	12.192	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.009	2
76	MP4A	X	13.387	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.007	2
79	MP4A	X	13.387	4
80	MP4A	Z	0	4
81	MP4A	Mx	-.007	4
82	MP4B	X	14.004	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	14.004	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	13.642	2
89	MP4C	Z	0	2
90	MP4C	Mx	.005	2
91	MP4C	X	13.642	4
92	MP4C	Z	0	4
93	MP4C	Mx	.005	4
94	MP2A	X	7.895	2
95	MP2A	Z	0	2
96	MP2A	Mx	.004	2
97	MP2B	X	16.777	2
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	11.565	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	27.551	1
2	MP2A	Z	15.907	1
3	MP2A	Mx	-.00052	1
4	MP2A	X	27.551	5
5	MP2A	Z	15.907	5
6	MP2A	Mx	-.00052	5
7	MP2B	X	31.655	1
8	MP2B	Z	18.276	1
9	MP2B	Mx	-.036	1
10	MP2B	X	31.655	5
11	MP2B	Z	18.276	5
12	MP2B	Mx	-.036	5
13	MP2C	X	25.747	1
14	MP2C	Z	14.865	1
15	MP2C	Mx	.019	1
16	MP2C	X	25.747	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	14.865	5
18	MP2C	Mx	.019	5
19	MP2A	X	27.551	1
20	MP2A	Z	15.907	1
21	MP2A	Mx	-.027	1
22	MP2A	X	27.551	5
23	MP2A	Z	15.907	5
24	MP2A	Mx	-.027	5
25	MP2B	X	31.655	1
26	MP2B	Z	18.276	1
27	MP2B	Mx	.017	1
28	MP2B	X	31.655	5
29	MP2B	Z	18.276	5
30	MP2B	Mx	.017	5
31	MP2C	X	25.747	1
32	MP2C	Z	14.865	1
33	MP2C	Mx	.01	1
34	MP2C	X	25.747	5
35	MP2C	Z	14.865	5
36	MP2C	Mx	.01	5
37	MP3A	X	9.469	2
38	MP3A	Z	5.467	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.469	4
41	MP3A	Z	5.467	4
42	MP3A	Mx	-.005	4
43	MP3B	X	14.242	2
44	MP3B	Z	8.222	2
45	MP3B	Mx	-.004	2
46	MP3B	X	14.242	4
47	MP3B	Z	8.222	4
48	MP3B	Mx	-.004	4
49	MP3C	X	7.37	2
50	MP3C	Z	4.255	2
51	MP3C	Mx	.004	2
52	MP3C	X	7.37	4
53	MP3C	Z	4.255	4
54	MP3C	Mx	.004	4
55	M117	X	20.652	1
56	M117	Z	11.923	1
57	M117	Mx	-.01	1
58	MP1A	X	10.814	2
59	MP1A	Z	6.243	2
60	MP1A	Mx	.009	2
61	MP1B	X	12.947	2
62	MP1B	Z	7.475	2
63	MP1B	Mx	-.004	2
64	MP1C	X	9.876	2
65	MP1C	Z	5.702	2
66	MP1C	Mx	-.004	2
67	MP1A	X	9.598	2
68	MP1A	Z	5.541	2
69	MP1A	Mx	.002	2
70	MP1B	X	12.542	2
71	MP1B	Z	7.241	2
72	MP1B	Mx	.011	2
73	MP1C	X	8.304	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	4.794	2
75	MP1C	Mx	-.006	2
76	MP4A	X	11.727	2
77	MP4A	Z	6.771	2
78	MP4A	Mx	-.006	2
79	MP4A	X	11.727	4
80	MP4A	Z	6.771	4
81	MP4A	Mx	-.006	4
82	MP4B	X	11.994	2
83	MP4B	Z	6.925	2
84	MP4B	Mx	-.003	2
85	MP4B	X	11.994	4
86	MP4B	Z	6.925	4
87	MP4B	Mx	-.003	4
88	MP4C	X	11.609	2
89	MP4C	Z	6.703	2
90	MP4C	Mx	.007	2
91	MP4C	X	11.609	4
92	MP4C	Z	6.703	4
93	MP4C	Mx	.007	4
94	MP2A	X	8.76	2
95	MP2A	Z	5.058	2
96	MP2A	Mx	.004	2
97	MP2B	X	12.606	2
98	MP2B	Z	7.278	2
99	MP2B	Mx	.004	2
100	MP2C	X	7.069	2
101	MP2C	Z	4.081	2
102	MP2C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.276	1
2	MP2A	Z	31.655	1
3	MP2A	Mx	.017	1
4	MP2A	X	18.276	5
5	MP2A	Z	31.655	5
6	MP2A	Mx	.017	5
7	MP2B	X	15.907	1
8	MP2B	Z	27.551	1
9	MP2B	Mx	-.027	1
10	MP2B	X	15.907	5
11	MP2B	Z	27.551	5
12	MP2B	Mx	-.027	5
13	MP2C	X	15.276	1
14	MP2C	Z	26.459	1
15	MP2C	Mx	.006	1
16	MP2C	X	15.276	5
17	MP2C	Z	26.459	5
18	MP2C	Mx	.006	5
19	MP2A	X	18.276	1
20	MP2A	Z	31.655	1
21	MP2A	Mx	-.036	1
22	MP2A	X	18.276	5
23	MP2A	Z	31.655	5
24	MP2A	Mx	-.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	15.907	1
26	MP2B	Z	27.551	1
27	MP2B	Mx	-.00052	1
28	MP2B	X	15.907	5
29	MP2B	Z	27.551	5
30	MP2B	Mx	-.00052	5
31	MP2C	X	15.276	1
32	MP2C	Z	26.459	1
33	MP2C	Mx	.023	1
34	MP2C	X	15.276	5
35	MP2C	Z	26.459	5
36	MP2C	Mx	.023	5
37	MP3A	X	8.222	2
38	MP3A	Z	14.242	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.222	4
41	MP3A	Z	14.242	4
42	MP3A	Mx	-.004	4
43	MP3B	X	5.467	2
44	MP3B	Z	9.469	2
45	MP3B	Mx	-.005	2
46	MP3B	X	5.467	4
47	MP3B	Z	9.469	4
48	MP3B	Mx	-.005	4
49	MP3C	X	4.734	2
50	MP3C	Z	8.199	2
51	MP3C	Mx	.004	2
52	MP3C	X	4.734	4
53	MP3C	Z	8.199	4
54	MP3C	Mx	.004	4
55	M117	X	14.393	1
56	M117	Z	24.929	1
57	M117	Mx	-.007	1
58	MP1A	X	7.475	2
59	MP1A	Z	12.947	2
60	MP1A	Mx	.011	2
61	MP1B	X	6.243	2
62	MP1B	Z	10.814	2
63	MP1B	Mx	.002	2
64	MP1C	X	5.916	2
65	MP1C	Z	10.246	2
66	MP1C	Mx	-.008	2
67	MP1A	X	7.241	2
68	MP1A	Z	12.542	2
69	MP1A	Mx	-.004	2
70	MP1B	X	5.541	2
71	MP1B	Z	9.598	2
72	MP1B	Mx	.008	2
73	MP1C	X	5.089	2
74	MP1C	Z	8.815	2
75	MP1C	Mx	-.003	2
76	MP4A	X	6.925	2
77	MP4A	Z	11.994	2
78	MP4A	Mx	-.003	2
79	MP4A	X	6.925	4
80	MP4A	Z	11.994	4
81	MP4A	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	X	6.771	2
83	MP4B	Z	11.727	2
84	MP4B	Mx	-.006	2
85	MP4B	X	6.771	4
86	MP4B	Z	11.727	4
87	MP4B	Mx	-.006	4
88	MP4C	X	6.729	2
89	MP4C	Z	11.656	2
90	MP4C	Mx	.006	2
91	MP4C	X	6.729	4
92	MP4C	Z	11.656	4
93	MP4C	Mx	.006	4
94	MP2A	X	7.278	2
95	MP2A	Z	12.606	2
96	MP2A	Mx	.004	2
97	MP2B	X	5.058	2
98	MP2B	Z	8.76	2
99	MP2B	Mx	.004	2
100	MP2C	X	4.467	2
101	MP2C	Z	7.737	2
102	MP2C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	38.922	1
3	MP2A	Mx	.032	1
4	MP2A	X	0	5
5	MP2A	Z	38.922	5
6	MP2A	Mx	.032	5
7	MP2B	X	0	1
8	MP2B	Z	29.444	1
9	MP2B	Mx	-.015	1
10	MP2B	X	0	5
11	MP2B	Z	29.444	5
12	MP2B	Mx	-.015	5
13	MP2C	X	0	1
14	MP2C	Z	35.006	1
15	MP2C	Mx	-.011	1
16	MP2C	X	0	5
17	MP2C	Z	35.006	5
18	MP2C	Mx	-.011	5
19	MP2A	X	0	1
20	MP2A	Z	38.922	1
21	MP2A	Mx	-.032	1
22	MP2A	X	0	5
23	MP2A	Z	38.922	5
24	MP2A	Mx	-.032	5
25	MP2B	X	0	1
26	MP2B	Z	29.444	1
27	MP2B	Mx	-.015	1
28	MP2B	X	0	5
29	MP2B	Z	29.444	5
30	MP2B	Mx	-.015	5
31	MP2C	X	0	1
32	MP2C	Z	35.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.034	1
34	MP2C	X	0	5
35	MP2C	Z	35.006	5
36	MP2C	Mx	.034	5
37	MP3A	X	0	2
38	MP3A	Z	19.201	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	19.201	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	8.178	2
45	MP3B	Mx	-.004	2
46	MP3B	X	0	4
47	MP3B	Z	8.178	4
48	MP3B	Mx	-.004	4
49	MP3C	X	0	2
50	MP3C	Z	14.646	2
51	MP3C	Mx	.005	2
52	MP3C	X	0	4
53	MP3C	Z	14.646	4
54	MP3C	Mx	.005	4
55	M117	X	0	1
56	M117	Z	31.255	1
57	M117	Mx	0	1
58	MP1A	X	0	2
59	MP1A	Z	16.181	2
60	MP1A	Mx	.009	2
61	MP1B	X	0	2
62	MP1B	Z	11.255	2
63	MP1B	Mx	.006	2
64	MP1C	X	0	2
65	MP1C	Z	14.146	2
66	MP1C	Mx	-.011	2
67	MP1A	X	0	2
68	MP1A	Z	16.181	2
69	MP1A	Mx	-.009	2
70	MP1B	X	0	2
71	MP1B	Z	9.383	2
72	MP1B	Mx	.005	2
73	MP1C	X	0	2
74	MP1C	Z	13.372	2
75	MP1C	Mx	.002	2
76	MP4A	X	0	2
77	MP4A	Z	14.004	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	14.004	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	13.387	2
84	MP4B	Mx	-.007	2
85	MP4B	X	0	4
86	MP4B	Z	13.387	4
87	MP4B	Mx	-.007	4
88	MP4C	X	0	2
89	MP4C	Z	13.749	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	.004	2
91	MP4C	X	0	4
92	MP4C	Z	13.749	4
93	MP4C	Mx	.004	4
94	MP2A	X	0	2
95	MP2A	Z	16.777	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2
98	MP2B	Z	7.895	2
99	MP2B	Mx	.004	2
100	MP2C	X	0	2
101	MP2C	Z	13.107	2
102	MP2C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.276	1
2	MP2A	Z	31.655	1
3	MP2A	Mx	.036	1
4	MP2A	X	-18.276	5
5	MP2A	Z	31.655	5
6	MP2A	Mx	.036	5
7	MP2B	X	-15.907	1
8	MP2B	Z	27.551	1
9	MP2B	Mx	-.00052	1
10	MP2B	X	-15.907	5
11	MP2B	Z	27.551	5
12	MP2B	Mx	-.00052	5
13	MP2C	X	-19.318	1
14	MP2C	Z	33.46	1
15	MP2C	Mx	-.028	1
16	MP2C	X	-19.318	5
17	MP2C	Z	33.46	5
18	MP2C	Mx	-.028	5
19	MP2A	X	-18.276	1
20	MP2A	Z	31.655	1
21	MP2A	Mx	-.017	1
22	MP2A	X	-18.276	5
23	MP2A	Z	31.655	5
24	MP2A	Mx	-.017	5
25	MP2B	X	-15.907	1
26	MP2B	Z	27.551	1
27	MP2B	Mx	-.027	1
28	MP2B	X	-15.907	5
29	MP2B	Z	27.551	5
30	MP2B	Mx	-.027	5
31	MP2C	X	-19.318	1
32	MP2C	Z	33.46	1
33	MP2C	Mx	.035	1
34	MP2C	X	-19.318	5
35	MP2C	Z	33.46	5
36	MP2C	Mx	.035	5
37	MP3A	X	-8.222	2
38	MP3A	Z	14.242	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.222	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	14.242	4
42	MP3A	Mx	.004	4
43	MP3B	X	-5.467	2
44	MP3B	Z	9.469	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-5.467	4
47	MP3B	Z	9.469	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-9.434	2
50	MP3C	Z	16.34	2
51	MP3C	Mx	.002	2
52	MP3C	X	-9.434	4
53	MP3C	Z	16.34	4
54	MP3C	Mx	.002	4
55	M117	X	-14.393	1
56	M117	Z	24.929	1
57	M117	Mx	.007	1
58	MP1A	X	-7.475	2
59	MP1A	Z	12.947	2
60	MP1A	Mx	.004	2
61	MP1B	X	-6.243	2
62	MP1B	Z	10.814	2
63	MP1B	Mx	.009	2
64	MP1C	X	-8.016	2
65	MP1C	Z	13.885	2
66	MP1C	Mx	-.011	2
67	MP1A	X	-7.241	2
68	MP1A	Z	12.542	2
69	MP1A	Mx	-.011	2
70	MP1B	X	-5.541	2
71	MP1B	Z	9.598	2
72	MP1B	Mx	.002	2
73	MP1C	X	-7.988	2
74	MP1C	Z	13.836	2
75	MP1C	Mx	.008	2
76	MP4A	X	-6.925	2
77	MP4A	Z	11.994	2
78	MP4A	Mx	.003	2
79	MP4A	X	-6.925	4
80	MP4A	Z	11.994	4
81	MP4A	Mx	.003	4
82	MP4B	X	-6.771	2
83	MP4B	Z	11.727	2
84	MP4B	Mx	-.006	2
85	MP4B	X	-6.771	4
86	MP4B	Z	11.727	4
87	MP4B	Mx	-.006	4
88	MP4C	X	-6.993	2
89	MP4C	Z	12.112	2
90	MP4C	Mx	.001	2
91	MP4C	X	-6.993	4
92	MP4C	Z	12.112	4
93	MP4C	Mx	.001	4
94	MP2A	X	-7.278	2
95	MP2A	Z	12.606	2
96	MP2A	Mx	-.004	2
97	MP2B	X	-5.058	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2B	Z	8.76	2
99	MP2B	Mx	.004	2
100	MP2C	X	-8.255	2
101	MP2C	Z	14.298	2
102	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-27.551	1
2	MP2A	Z	15.907	1
3	MP2A	Mx	.027	1
4	MP2A	X	-27.551	5
5	MP2A	Z	15.907	5
6	MP2A	Mx	.027	5
7	MP2B	X	-31.655	1
8	MP2B	Z	18.276	1
9	MP2B	Mx	.017	1
10	MP2B	X	-31.655	5
11	MP2B	Z	18.276	5
12	MP2B	Mx	.017	5
13	MP2C	X	-32.747	1
14	MP2C	Z	18.907	1
15	MP2C	Mx	-.036	1
16	MP2C	X	-32.747	5
17	MP2C	Z	18.907	5
18	MP2C	Mx	-.036	5
19	MP2A	X	-27.551	1
20	MP2A	Z	15.907	1
21	MP2A	Mx	.00052	1
22	MP2A	X	-27.551	5
23	MP2A	Z	15.907	5
24	MP2A	Mx	.00052	5
25	MP2B	X	-31.655	1
26	MP2B	Z	18.276	1
27	MP2B	Mx	-.036	1
28	MP2B	X	-31.655	5
29	MP2B	Z	18.276	5
30	MP2B	Mx	-.036	5
31	MP2C	X	-32.747	1
32	MP2C	Z	18.907	1
33	MP2C	Mx	.023	1
34	MP2C	X	-32.747	5
35	MP2C	Z	18.907	5
36	MP2C	Mx	.023	5
37	MP3A	X	-9.469	2
38	MP3A	Z	5.467	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.469	4
41	MP3A	Z	5.467	4
42	MP3A	Mx	.005	4
43	MP3B	X	-14.242	2
44	MP3B	Z	8.222	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-14.242	4
47	MP3B	Z	8.222	4
48	MP3B	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	-15.512	2
50	MP3C	Z	8.956	2
51	MP3C	Mx	-.003	2
52	MP3C	X	-15.512	4
53	MP3C	Z	8.956	4
54	MP3C	Mx	-.003	4
55	M117	X	-20.652	1
56	M117	Z	11.923	1
57	M117	Mx	.01	1
58	MP1A	X	-10.814	2
59	MP1A	Z	6.243	2
60	MP1A	Mx	-.002	2
61	MP1B	X	-12.947	2
62	MP1B	Z	7.475	2
63	MP1B	Mx	.011	2
64	MP1C	X	-13.514	2
65	MP1C	Z	7.803	2
66	MP1C	Mx	-.006	2
67	MP1A	X	-9.598	2
68	MP1A	Z	5.541	2
69	MP1A	Mx	-.008	2
70	MP1B	X	-12.542	2
71	MP1B	Z	7.241	2
72	MP1B	Mx	-.004	2
73	MP1C	X	-13.325	2
74	MP1C	Z	7.693	2
75	MP1C	Mx	.011	2
76	MP4A	X	-11.727	2
77	MP4A	Z	6.771	2
78	MP4A	Mx	.006	2
79	MP4A	X	-11.727	4
80	MP4A	Z	6.771	4
81	MP4A	Mx	.006	4
82	MP4B	X	-11.994	2
83	MP4B	Z	6.925	2
84	MP4B	Mx	-.003	2
85	MP4B	X	-11.994	4
86	MP4B	Z	6.925	4
87	MP4B	Mx	-.003	4
88	MP4C	X	-12.066	2
89	MP4C	Z	6.966	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-12.066	4
92	MP4C	Z	6.966	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-8.76	2
95	MP2A	Z	5.058	2
96	MP2A	Mx	-.004	2
97	MP2B	X	-12.606	2
98	MP2B	Z	7.278	2
99	MP2B	Mx	.004	2
100	MP2C	X	-13.63	2
101	MP2C	Z	7.869	2
102	MP2C	Mx	.003	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-29.444	1
2	MP2A	Z	0	1
3	MP2A	Mx	.015	1
4	MP2A	X	-29.444	5
5	MP2A	Z	0	5
6	MP2A	Mx	.015	5
7	MP2B	X	-38.922	1
8	MP2B	Z	0	1
9	MP2B	Mx	.032	1
10	MP2B	X	-38.922	5
11	MP2B	Z	0	5
12	MP2B	Mx	.032	5
13	MP2C	X	-33.36	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-33.36	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-29.444	1
20	MP2A	Z	0	1
21	MP2A	Mx	.015	1
22	MP2A	X	-29.444	5
23	MP2A	Z	0	5
24	MP2A	Mx	.015	5
25	MP2B	X	-38.922	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.032	1
28	MP2B	X	-38.922	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.032	5
31	MP2C	X	-33.36	1
32	MP2C	Z	0	1
33	MP2C	Mx	.005	1
34	MP2C	X	-33.36	5
35	MP2C	Z	0	5
36	MP2C	Mx	.005	5
37	MP3A	X	-8.178	2
38	MP3A	Z	0	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.178	4
41	MP3A	Z	0	4
42	MP3A	Mx	.004	4
43	MP3B	X	-19.201	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-19.201	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-12.732	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-12.732	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.005	4
55	M117	X	-21.378	1
56	M117	Z	0	1
57	M117	Mx	.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	-11.255	2
59	MP1A	Z	0	2
60	MP1A	Mx	-.006	2
61	MP1B	X	-16.181	2
62	MP1B	Z	0	2
63	MP1B	Mx	.009	2
64	MP1C	X	-13.29	2
65	MP1C	Z	0	2
66	MP1C	Mx	.000107	2
67	MP1A	X	-9.383	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.005	2
70	MP1B	X	-16.181	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.009	2
73	MP1C	X	-12.192	2
74	MP1C	Z	0	2
75	MP1C	Mx	.009	2
76	MP4A	X	-13.387	2
77	MP4A	Z	0	2
78	MP4A	Mx	.007	2
79	MP4A	X	-13.387	4
80	MP4A	Z	0	4
81	MP4A	Mx	.007	4
82	MP4B	X	-14.004	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-14.004	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-13.642	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.005	2
91	MP4C	X	-13.642	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.005	4
94	MP2A	X	-7.895	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.004	2
97	MP2B	X	-16.777	2
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	-11.565	2
101	MP2C	Z	0	2
102	MP2C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-27.551	1
2	MP2A	Z	-15.907	1
3	MP2A	Mx	.00052	1
4	MP2A	X	-27.551	5
5	MP2A	Z	-15.907	5
6	MP2A	Mx	.00052	5
7	MP2B	X	-31.655	1
8	MP2B	Z	-18.276	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.036	1
10	MP2B	X	-31.655	5
11	MP2B	Z	-18.276	5
12	MP2B	Mx	.036	5
13	MP2C	X	-25.747	1
14	MP2C	Z	-14.865	1
15	MP2C	Mx	-.019	1
16	MP2C	X	-25.747	5
17	MP2C	Z	-14.865	5
18	MP2C	Mx	-.019	5
19	MP2A	X	-27.551	1
20	MP2A	Z	-15.907	1
21	MP2A	Mx	.027	1
22	MP2A	X	-27.551	5
23	MP2A	Z	-15.907	5
24	MP2A	Mx	.027	5
25	MP2B	X	-31.655	1
26	MP2B	Z	-18.276	1
27	MP2B	Mx	-.017	1
28	MP2B	X	-31.655	5
29	MP2B	Z	-18.276	5
30	MP2B	Mx	-.017	5
31	MP2C	X	-25.747	1
32	MP2C	Z	-14.865	1
33	MP2C	Mx	-.01	1
34	MP2C	X	-25.747	5
35	MP2C	Z	-14.865	5
36	MP2C	Mx	-.01	5
37	MP3A	X	-9.469	2
38	MP3A	Z	-5.467	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.469	4
41	MP3A	Z	-5.467	4
42	MP3A	Mx	.005	4
43	MP3B	X	-14.242	2
44	MP3B	Z	-8.222	2
45	MP3B	Mx	.004	2
46	MP3B	X	-14.242	4
47	MP3B	Z	-8.222	4
48	MP3B	Mx	.004	4
49	MP3C	X	-7.37	2
50	MP3C	Z	-4.255	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-7.37	4
53	MP3C	Z	-4.255	4
54	MP3C	Mx	-.004	4
55	M117	X	-20.652	1
56	M117	Z	-11.923	1
57	M117	Mx	.01	1
58	MP1A	X	-10.814	2
59	MP1A	Z	-6.243	2
60	MP1A	Mx	-.009	2
61	MP1B	X	-12.947	2
62	MP1B	Z	-7.475	2
63	MP1B	Mx	.004	2
64	MP1C	X	-9.876	2
65	MP1C	Z	-5.702	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	.004	2
67	MP1A	X	-9.598	2
68	MP1A	Z	-5.541	2
69	MP1A	Mx	-.002	2
70	MP1B	X	-12.542	2
71	MP1B	Z	-7.241	2
72	MP1B	Mx	-.011	2
73	MP1C	X	-8.304	2
74	MP1C	Z	-4.794	2
75	MP1C	Mx	.006	2
76	MP4A	X	-11.727	2
77	MP4A	Z	-6.771	2
78	MP4A	Mx	.006	2
79	MP4A	X	-11.727	4
80	MP4A	Z	-6.771	4
81	MP4A	Mx	.006	4
82	MP4B	X	-11.994	2
83	MP4B	Z	-6.925	2
84	MP4B	Mx	.003	2
85	MP4B	X	-11.994	4
86	MP4B	Z	-6.925	4
87	MP4B	Mx	.003	4
88	MP4C	X	-11.609	2
89	MP4C	Z	-6.703	2
90	MP4C	Mx	-.007	2
91	MP4C	X	-11.609	4
92	MP4C	Z	-6.703	4
93	MP4C	Mx	-.007	4
94	MP2A	X	-8.76	2
95	MP2A	Z	-5.058	2
96	MP2A	Mx	-.004	2
97	MP2B	X	-12.606	2
98	MP2B	Z	-7.278	2
99	MP2B	Mx	-.004	2
100	MP2C	X	-7.069	2
101	MP2C	Z	-4.081	2
102	MP2C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.276	1
2	MP2A	Z	-31.655	1
3	MP2A	Mx	-.017	1
4	MP2A	X	-18.276	5
5	MP2A	Z	-31.655	5
6	MP2A	Mx	-.017	5
7	MP2B	X	-15.907	1
8	MP2B	Z	-27.551	1
9	MP2B	Mx	.027	1
10	MP2B	X	-15.907	5
11	MP2B	Z	-27.551	5
12	MP2B	Mx	.027	5
13	MP2C	X	-15.276	1
14	MP2C	Z	-26.459	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-15.276	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-26.459	5
18	MP2C	Mx	-.006	5
19	MP2A	X	-18.276	1
20	MP2A	Z	-31.655	1
21	MP2A	Mx	.036	1
22	MP2A	X	-18.276	5
23	MP2A	Z	-31.655	5
24	MP2A	Mx	.036	5
25	MP2B	X	-15.907	1
26	MP2B	Z	-27.551	1
27	MP2B	Mx	.00052	1
28	MP2B	X	-15.907	5
29	MP2B	Z	-27.551	5
30	MP2B	Mx	.00052	5
31	MP2C	X	-15.276	1
32	MP2C	Z	-26.459	1
33	MP2C	Mx	-.023	1
34	MP2C	X	-15.276	5
35	MP2C	Z	-26.459	5
36	MP2C	Mx	-.023	5
37	MP3A	X	-8.222	2
38	MP3A	Z	-14.242	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.222	4
41	MP3A	Z	-14.242	4
42	MP3A	Mx	.004	4
43	MP3B	X	-5.467	2
44	MP3B	Z	-9.469	2
45	MP3B	Mx	.005	2
46	MP3B	X	-5.467	4
47	MP3B	Z	-9.469	4
48	MP3B	Mx	.005	4
49	MP3C	X	-4.734	2
50	MP3C	Z	-8.199	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-4.734	4
53	MP3C	Z	-8.199	4
54	MP3C	Mx	-.004	4
55	M117	X	-14.393	1
56	M117	Z	-24.929	1
57	M117	Mx	.007	1
58	MP1A	X	-7.475	2
59	MP1A	Z	-12.947	2
60	MP1A	Mx	-.011	2
61	MP1B	X	-6.243	2
62	MP1B	Z	-10.814	2
63	MP1B	Mx	-.002	2
64	MP1C	X	-5.916	2
65	MP1C	Z	-10.246	2
66	MP1C	Mx	.008	2
67	MP1A	X	-7.241	2
68	MP1A	Z	-12.542	2
69	MP1A	Mx	.004	2
70	MP1B	X	-5.541	2
71	MP1B	Z	-9.598	2
72	MP1B	Mx	-.008	2
73	MP1C	X	-5.089	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	-8.815	2
75	MP1C	Mx	.003	2
76	MP4A	X	-6.925	2
77	MP4A	Z	-11.994	2
78	MP4A	Mx	.003	2
79	MP4A	X	-6.925	4
80	MP4A	Z	-11.994	4
81	MP4A	Mx	.003	4
82	MP4B	X	-6.771	2
83	MP4B	Z	-11.727	2
84	MP4B	Mx	.006	2
85	MP4B	X	-6.771	4
86	MP4B	Z	-11.727	4
87	MP4B	Mx	.006	4
88	MP4C	X	-6.729	2
89	MP4C	Z	-11.656	2
90	MP4C	Mx	-.006	2
91	MP4C	X	-6.729	4
92	MP4C	Z	-11.656	4
93	MP4C	Mx	-.006	4
94	MP2A	X	-7.278	2
95	MP2A	Z	-12.606	2
96	MP2A	Mx	-.004	2
97	MP2B	X	-5.058	2
98	MP2B	Z	-8.76	2
99	MP2B	Mx	-.004	2
100	MP2C	X	-4.467	2
101	MP2C	Z	-7.737	2
102	MP2C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-12.851	1
3	MP2A	Mx	-.011	1
4	MP2A	X	0	5
5	MP2A	Z	-12.851	5
6	MP2A	Mx	-.011	5
7	MP2B	X	0	1
8	MP2B	Z	-9.554	1
9	MP2B	Mx	.005	1
10	MP2B	X	0	5
11	MP2B	Z	-9.554	5
12	MP2B	Mx	.005	5
13	MP2C	X	0	1
14	MP2C	Z	-11.489	1
15	MP2C	Mx	.004	1
16	MP2C	X	0	5
17	MP2C	Z	-11.489	5
18	MP2C	Mx	.004	5
19	MP2A	X	0	1
20	MP2A	Z	-12.851	1
21	MP2A	Mx	.011	1
22	MP2A	X	0	5
23	MP2A	Z	-12.851	5
24	MP2A	Mx	.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	0	1
26	MP2B	Z	-9.554	1
27	MP2B	Mx	.005	1
28	MP2B	X	0	5
29	MP2B	Z	-9.554	5
30	MP2B	Mx	.005	5
31	MP2C	X	0	1
32	MP2C	Z	-11.489	1
33	MP2C	Mx	-.011	1
34	MP2C	X	0	5
35	MP2C	Z	-11.489	5
36	MP2C	Mx	-.011	5
37	MP3A	X	0	2
38	MP3A	Z	-6.12	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-6.12	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-2.396	2
45	MP3B	Mx	.001	2
46	MP3B	X	0	4
47	MP3B	Z	-2.396	4
48	MP3B	Mx	.001	4
49	MP3C	X	0	2
50	MP3C	Z	-4.581	2
51	MP3C	Mx	-.001	2
52	MP3C	X	0	4
53	MP3C	Z	-4.581	4
54	MP3C	Mx	-.001	4
55	M117	X	0	1
56	M117	Z	-9.869	1
57	M117	Mx	0	1
58	MP1A	X	0	2
59	MP1A	Z	-4.87	2
60	MP1A	Mx	-.003	2
61	MP1B	X	0	2
62	MP1B	Z	-3.255	2
63	MP1B	Mx	-.002	2
64	MP1C	X	0	2
65	MP1C	Z	-4.203	2
66	MP1C	Mx	.003	2
67	MP1A	X	0	2
68	MP1A	Z	-4.87	2
69	MP1A	Mx	.003	2
70	MP1B	X	0	2
71	MP1B	Z	-2.637	2
72	MP1B	Mx	-.001	2
73	MP1C	X	0	2
74	MP1C	Z	-3.947	2
75	MP1C	Mx	-.000495	2
76	MP4A	X	0	2
77	MP4A	Z	-4.336	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-4.336	4
81	MP4A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	X	0	2
83	MP4B	Z	-4.13	2
84	MP4B	Mx	.002	2
85	MP4B	X	0	4
86	MP4B	Z	-4.13	4
87	MP4B	Mx	.002	4
88	MP4C	X	0	2
89	MP4C	Z	-4.251	2
90	MP4C	Mx	-.001	2
91	MP4C	X	0	4
92	MP4C	Z	-4.251	4
93	MP4C	Mx	-.001	4
94	MP2A	X	0	2
95	MP2A	Z	-5.104	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2
98	MP2B	Z	-2.139	2
99	MP2B	Mx	-.001	2
100	MP2C	X	0	2
101	MP2C	Z	-3.879	2
102	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.013	1
2	MP2A	Z	-10.416	1
3	MP2A	Mx	-.012	1
4	MP2A	X	6.013	5
5	MP2A	Z	-10.416	5
6	MP2A	Mx	-.012	5
7	MP2B	X	5.189	1
8	MP2B	Z	-8.988	1
9	MP2B	Mx	.00017	1
10	MP2B	X	5.189	5
11	MP2B	Z	-8.988	5
12	MP2B	Mx	.00017	5
13	MP2C	X	6.376	1
14	MP2C	Z	-11.043	1
15	MP2C	Mx	.009	1
16	MP2C	X	6.376	5
17	MP2C	Z	-11.043	5
18	MP2C	Mx	.009	5
19	MP2A	X	6.013	1
20	MP2A	Z	-10.416	1
21	MP2A	Mx	.006	1
22	MP2A	X	6.013	5
23	MP2A	Z	-10.416	5
24	MP2A	Mx	.006	5
25	MP2B	X	5.189	1
26	MP2B	Z	-8.988	1
27	MP2B	Mx	.009	1
28	MP2B	X	5.189	5
29	MP2B	Z	-8.988	5
30	MP2B	Mx	.009	5
31	MP2C	X	6.376	1
32	MP2C	Z	-11.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.012	1
34	MP2C	X	6.376	5
35	MP2C	Z	-11.043	5
36	MP2C	Mx	-.012	5
37	MP3A	X	2.594	2
38	MP3A	Z	-4.493	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.594	4
41	MP3A	Z	-4.493	4
42	MP3A	Mx	-.001	4
43	MP3B	X	1.663	2
44	MP3B	Z	-2.881	2
45	MP3B	Mx	.001	2
46	MP3B	X	1.663	4
47	MP3B	Z	-2.881	4
48	MP3B	Mx	.001	4
49	MP3C	X	3.004	2
50	MP3C	Z	-5.202	2
51	MP3C	Mx	-.000521	2
52	MP3C	X	3.004	4
53	MP3C	Z	-5.202	4
54	MP3C	Mx	-.000521	4
55	M117	X	4.521	1
56	M117	Z	-7.83	1
57	M117	Mx	-.002	1
58	MP1A	X	2.233	2
59	MP1A	Z	-3.868	2
60	MP1A	Mx	-.001	2
61	MP1B	X	1.829	2
62	MP1B	Z	-3.169	2
63	MP1B	Mx	-.003	2
64	MP1C	X	2.41	2
65	MP1C	Z	-4.175	2
66	MP1C	Mx	.003	2
67	MP1A	X	2.156	2
68	MP1A	Z	-3.734	2
69	MP1A	Mx	.003	2
70	MP1B	X	1.597	2
71	MP1B	Z	-2.767	2
72	MP1B	Mx	-.000452	2
73	MP1C	X	2.401	2
74	MP1C	Z	-4.159	2
75	MP1C	Mx	-.002	2
76	MP4A	X	2.142	2
77	MP4A	Z	-3.71	2
78	MP4A	Mx	-.001	2
79	MP4A	X	2.142	4
80	MP4A	Z	-3.71	4
81	MP4A	Mx	-.001	4
82	MP4B	X	2.091	2
83	MP4B	Z	-3.621	2
84	MP4B	Mx	.002	2
85	MP4B	X	2.091	4
86	MP4B	Z	-3.621	4
87	MP4B	Mx	.002	4
88	MP4C	X	2.165	2
89	MP4C	Z	-3.749	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	-.000376	2
91	MP4C	X	2.165	4
92	MP4C	Z	-3.749	4
93	MP4C	Mx	-.000376	4
94	MP2A	X	2.181	2
95	MP2A	Z	-3.778	2
96	MP2A	Mx	.001	2
97	MP2B	X	1.44	2
98	MP2B	Z	-2.494	2
99	MP2B	Mx	-.001	2
100	MP2C	X	2.507	2
101	MP2C	Z	-4.343	2
102	MP2C	Mx	.000436	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.988	1
2	MP2A	Z	-5.189	1
3	MP2A	Mx	-.009	1
4	MP2A	X	8.988	5
5	MP2A	Z	-5.189	5
6	MP2A	Mx	-.009	5
7	MP2B	X	10.416	1
8	MP2B	Z	-6.013	1
9	MP2B	Mx	-.006	1
10	MP2B	X	10.416	5
11	MP2B	Z	-6.013	5
12	MP2B	Mx	-.006	5
13	MP2C	X	10.795	1
14	MP2C	Z	-6.233	1
15	MP2C	Mx	.012	1
16	MP2C	X	10.795	5
17	MP2C	Z	-6.233	5
18	MP2C	Mx	.012	5
19	MP2A	X	8.988	1
20	MP2A	Z	-5.189	1
21	MP2A	Mx	-.00017	1
22	MP2A	X	8.988	5
23	MP2A	Z	-5.189	5
24	MP2A	Mx	-.00017	5
25	MP2B	X	10.416	1
26	MP2B	Z	-6.013	1
27	MP2B	Mx	.012	1
28	MP2B	X	10.416	5
29	MP2B	Z	-6.013	5
30	MP2B	Mx	.012	5
31	MP2C	X	10.795	1
32	MP2C	Z	-6.233	1
33	MP2C	Mx	-.008	1
34	MP2C	X	10.795	5
35	MP2C	Z	-6.233	5
36	MP2C	Mx	-.008	5
37	MP3A	X	2.881	2
38	MP3A	Z	-1.663	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.881	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-1.663	4
42	MP3A	Mx	-.001	4
43	MP3B	X	4.493	2
44	MP3B	Z	-2.594	2
45	MP3B	Mx	.001	2
46	MP3B	X	4.493	4
47	MP3B	Z	-2.594	4
48	MP3B	Mx	.001	4
49	MP3C	X	4.922	2
50	MP3C	Z	-2.842	2
51	MP3C	Mx	.000972	2
52	MP3C	X	4.922	4
53	MP3C	Z	-2.842	4
54	MP3C	Mx	.000972	4
55	M117	X	6.396	1
56	M117	Z	-3.693	1
57	M117	Mx	-.003	1
58	MP1A	X	3.169	2
59	MP1A	Z	-1.829	2
60	MP1A	Mx	.000518	2
61	MP1B	X	3.868	2
62	MP1B	Z	-2.233	2
63	MP1B	Mx	-.003	2
64	MP1C	X	4.054	2
65	MP1C	Z	-2.34	2
66	MP1C	Mx	.002	2
67	MP1A	X	2.767	2
68	MP1A	Z	-1.597	2
69	MP1A	Mx	.002	2
70	MP1B	X	3.734	2
71	MP1B	Z	-2.156	2
72	MP1B	Mx	.001	2
73	MP1C	X	3.991	2
74	MP1C	Z	-2.304	2
75	MP1C	Mx	-.003	2
76	MP4A	X	3.621	2
77	MP4A	Z	-2.091	2
78	MP4A	Mx	-.002	2
79	MP4A	X	3.621	4
80	MP4A	Z	-2.091	4
81	MP4A	Mx	-.002	4
82	MP4B	X	3.71	2
83	MP4B	Z	-2.142	2
84	MP4B	Mx	.001	2
85	MP4B	X	3.71	4
86	MP4B	Z	-2.142	4
87	MP4B	Mx	.001	4
88	MP4C	X	3.734	2
89	MP4C	Z	-2.156	2
90	MP4C	Mx	.000737	2
91	MP4C	X	3.734	4
92	MP4C	Z	-2.156	4
93	MP4C	Mx	.000737	4
94	MP2A	X	2.494	2
95	MP2A	Z	-1.44	2
96	MP2A	Mx	.001	2
97	MP2B	X	3.778	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2B	Z	-2.181	2
99	MP2B	Mx	-.001	2
100	MP2C	X	4.12	2
101	MP2C	Z	-2.379	2
102	MP2C	Mx	-.000813	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.554	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.005	1
4	MP2A	X	9.554	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.005	5
7	MP2B	X	12.851	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.011	1
10	MP2B	X	12.851	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.011	5
13	MP2C	X	10.916	1
14	MP2C	Z	0	1
15	MP2C	Mx	.01	1
16	MP2C	X	10.916	5
17	MP2C	Z	0	5
18	MP2C	Mx	.01	5
19	MP2A	X	9.554	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.005	1
22	MP2A	X	9.554	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.005	5
25	MP2B	X	12.851	1
26	MP2B	Z	0	1
27	MP2B	Mx	.011	1
28	MP2B	X	12.851	5
29	MP2B	Z	0	5
30	MP2B	Mx	.011	5
31	MP2C	X	10.916	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.002	1
34	MP2C	X	10.916	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.002	5
37	MP3A	X	2.396	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.396	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.001	4
43	MP3B	X	6.12	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	6.12	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	3.934	2
50	MP3C	Z	0	2
51	MP3C	Mx	.002	2
52	MP3C	X	3.934	4
53	MP3C	Z	0	4
54	MP3C	Mx	.002	4
55	M117	X	6.558	1
56	M117	Z	0	1
57	M117	Mx	-.003	1
58	MP1A	X	3.255	2
59	MP1A	Z	0	2
60	MP1A	Mx	.002	2
61	MP1B	X	4.87	2
62	MP1B	Z	0	2
63	MP1B	Mx	-.003	2
64	MP1C	X	3.922	2
65	MP1C	Z	0	2
66	MP1C	Mx	-3.2e-5	2
67	MP1A	X	2.637	2
68	MP1A	Z	0	2
69	MP1A	Mx	.001	2
70	MP1B	X	4.87	2
71	MP1B	Z	0	2
72	MP1B	Mx	.003	2
73	MP1C	X	3.559	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.003	2
76	MP4A	X	4.13	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.002	2
79	MP4A	X	4.13	4
80	MP4A	Z	0	4
81	MP4A	Mx	-.002	4
82	MP4B	X	4.336	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	4.336	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	4.215	2
89	MP4C	Z	0	2
90	MP4C	Mx	.002	2
91	MP4C	X	4.215	4
92	MP4C	Z	0	4
93	MP4C	Mx	.002	4
94	MP2A	X	2.139	2
95	MP2A	Z	0	2
96	MP2A	Mx	.001	2
97	MP2B	X	5.104	2
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	3.364	2
101	MP2C	Z	0	2
102	MP2C	Mx	-.001	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.988	1
2	MP2A	Z	5.189	1
3	MP2A	Mx	-.00017	1
4	MP2A	X	8.988	5
5	MP2A	Z	5.189	5
6	MP2A	Mx	-.00017	5
7	MP2B	X	10.416	1
8	MP2B	Z	6.013	1
9	MP2B	Mx	-.012	1
10	MP2B	X	10.416	5
11	MP2B	Z	6.013	5
12	MP2B	Mx	-.012	5
13	MP2C	X	8.36	1
14	MP2C	Z	4.827	1
15	MP2C	Mx	.006	1
16	MP2C	X	8.36	5
17	MP2C	Z	4.827	5
18	MP2C	Mx	.006	5
19	MP2A	X	8.988	1
20	MP2A	Z	5.189	1
21	MP2A	Mx	-.009	1
22	MP2A	X	8.988	5
23	MP2A	Z	5.189	5
24	MP2A	Mx	-.009	5
25	MP2B	X	10.416	1
26	MP2B	Z	6.013	1
27	MP2B	Mx	.006	1
28	MP2B	X	10.416	5
29	MP2B	Z	6.013	5
30	MP2B	Mx	.006	5
31	MP2C	X	8.36	1
32	MP2C	Z	4.827	1
33	MP2C	Mx	.003	1
34	MP2C	X	8.36	5
35	MP2C	Z	4.827	5
36	MP2C	Mx	.003	5
37	MP3A	X	2.881	2
38	MP3A	Z	1.663	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.881	4
41	MP3A	Z	1.663	4
42	MP3A	Mx	-.001	4
43	MP3B	X	4.493	2
44	MP3B	Z	2.594	2
45	MP3B	Mx	-.001	2
46	MP3B	X	4.493	4
47	MP3B	Z	2.594	4
48	MP3B	Mx	-.001	4
49	MP3C	X	2.172	2
50	MP3C	Z	1.254	2
51	MP3C	Mx	.001	2
52	MP3C	X	2.172	4
53	MP3C	Z	1.254	4
54	MP3C	Mx	.001	4
55	M117	X	6.396	1
56	M117	Z	3.693	1
57	M117	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	3.169	2
59	MP1A	Z	1.829	2
60	MP1A	Mx	.003	2
61	MP1B	X	3.868	2
62	MP1B	Z	2.233	2
63	MP1B	Mx	-.001	2
64	MP1C	X	2.861	2
65	MP1C	Z	1.652	2
66	MP1C	Mx	-.001	2
67	MP1A	X	2.767	2
68	MP1A	Z	1.597	2
69	MP1A	Mx	.000452	2
70	MP1B	X	3.734	2
71	MP1B	Z	2.156	2
72	MP1B	Mx	.003	2
73	MP1C	X	2.342	2
74	MP1C	Z	1.352	2
75	MP1C	Mx	-.002	2
76	MP4A	X	3.621	2
77	MP4A	Z	2.091	2
78	MP4A	Mx	-.002	2
79	MP4A	X	3.621	4
80	MP4A	Z	2.091	4
81	MP4A	Mx	-.002	4
82	MP4B	X	3.71	2
83	MP4B	Z	2.142	2
84	MP4B	Mx	-.001	2
85	MP4B	X	3.71	4
86	MP4B	Z	2.142	4
87	MP4B	Mx	-.001	4
88	MP4C	X	3.582	2
89	MP4C	Z	2.068	2
90	MP4C	Mx	.002	2
91	MP4C	X	3.582	4
92	MP4C	Z	2.068	4
93	MP4C	Mx	.002	4
94	MP2A	X	2.494	2
95	MP2A	Z	1.44	2
96	MP2A	Mx	.001	2
97	MP2B	X	3.778	2
98	MP2B	Z	2.181	2
99	MP2B	Mx	.001	2
100	MP2C	X	1.93	2
101	MP2C	Z	1.114	2
102	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.013	1
2	MP2A	Z	10.416	1
3	MP2A	Mx	.006	1
4	MP2A	X	6.013	5
5	MP2A	Z	10.416	5
6	MP2A	Mx	.006	5
7	MP2B	X	5.189	1
8	MP2B	Z	8.988	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.009	1
10	MP2B	X	5.189	5
11	MP2B	Z	8.988	5
12	MP2B	Mx	-.009	5
13	MP2C	X	4.97	1
14	MP2C	Z	8.608	1
15	MP2C	Mx	.002	1
16	MP2C	X	4.97	5
17	MP2C	Z	8.608	5
18	MP2C	Mx	.002	5
19	MP2A	X	6.013	1
20	MP2A	Z	10.416	1
21	MP2A	Mx	-.012	1
22	MP2A	X	6.013	5
23	MP2A	Z	10.416	5
24	MP2A	Mx	-.012	5
25	MP2B	X	5.189	1
26	MP2B	Z	8.988	1
27	MP2B	Mx	-.00017	1
28	MP2B	X	5.189	5
29	MP2B	Z	8.988	5
30	MP2B	Mx	-.00017	5
31	MP2C	X	4.97	1
32	MP2C	Z	8.608	1
33	MP2C	Mx	.008	1
34	MP2C	X	4.97	5
35	MP2C	Z	8.608	5
36	MP2C	Mx	.008	5
37	MP3A	X	2.594	2
38	MP3A	Z	4.493	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.594	4
41	MP3A	Z	4.493	4
42	MP3A	Mx	-.001	4
43	MP3B	X	1.663	2
44	MP3B	Z	2.881	2
45	MP3B	Mx	-.001	2
46	MP3B	X	1.663	4
47	MP3B	Z	2.881	4
48	MP3B	Mx	-.001	4
49	MP3C	X	1.416	2
50	MP3C	Z	2.452	2
51	MP3C	Mx	.001	2
52	MP3C	X	1.416	4
53	MP3C	Z	2.452	4
54	MP3C	Mx	.001	4
55	M117	X	4.521	1
56	M117	Z	7.83	1
57	M117	Mx	-.002	1
58	MP1A	X	2.233	2
59	MP1A	Z	3.868	2
60	MP1A	Mx	.003	2
61	MP1B	X	1.829	2
62	MP1B	Z	3.169	2
63	MP1B	Mx	.000518	2
64	MP1C	X	1.722	2
65	MP1C	Z	2.983	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.002	2
67	MP1A	X	2.156	2
68	MP1A	Z	3.734	2
69	MP1A	Mx	-.001	2
70	MP1B	X	1.597	2
71	MP1B	Z	2.767	2
72	MP1B	Mx	.002	2
73	MP1C	X	1.449	2
74	MP1C	Z	2.51	2
75	MP1C	Mx	-.000783	2
76	MP4A	X	2.142	2
77	MP4A	Z	3.71	2
78	MP4A	Mx	-.001	2
79	MP4A	X	2.142	4
80	MP4A	Z	3.71	4
81	MP4A	Mx	-.001	4
82	MP4B	X	2.091	2
83	MP4B	Z	3.621	2
84	MP4B	Mx	-.002	2
85	MP4B	X	2.091	4
86	MP4B	Z	3.621	4
87	MP4B	Mx	-.002	4
88	MP4C	X	2.077	2
89	MP4C	Z	3.597	2
90	MP4C	Mx	.002	2
91	MP4C	X	2.077	4
92	MP4C	Z	3.597	4
93	MP4C	Mx	.002	4
94	MP2A	X	2.181	2
95	MP2A	Z	3.778	2
96	MP2A	Mx	.001	2
97	MP2B	X	1.44	2
98	MP2B	Z	2.494	2
99	MP2B	Mx	.001	2
100	MP2C	X	1.243	2
101	MP2C	Z	2.153	2
102	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	12.851	1
3	MP2A	Mx	.011	1
4	MP2A	X	0	5
5	MP2A	Z	12.851	5
6	MP2A	Mx	.011	5
7	MP2B	X	0	1
8	MP2B	Z	9.554	1
9	MP2B	Mx	-.005	1
10	MP2B	X	0	5
11	MP2B	Z	9.554	5
12	MP2B	Mx	-.005	5
13	MP2C	X	0	1
14	MP2C	Z	11.489	1
15	MP2C	Mx	-.004	1
16	MP2C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	11.489	5
18	MP2C	Mx	-.004	5
19	MP2A	X	0	1
20	MP2A	Z	12.851	1
21	MP2A	Mx	-.011	1
22	MP2A	X	0	5
23	MP2A	Z	12.851	5
24	MP2A	Mx	-.011	5
25	MP2B	X	0	1
26	MP2B	Z	9.554	1
27	MP2B	Mx	-.005	1
28	MP2B	X	0	5
29	MP2B	Z	9.554	5
30	MP2B	Mx	-.005	5
31	MP2C	X	0	1
32	MP2C	Z	11.489	1
33	MP2C	Mx	.011	1
34	MP2C	X	0	5
35	MP2C	Z	11.489	5
36	MP2C	Mx	.011	5
37	MP3A	X	0	2
38	MP3A	Z	6.12	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	6.12	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	2.396	2
45	MP3B	Mx	-.001	2
46	MP3B	X	0	4
47	MP3B	Z	2.396	4
48	MP3B	Mx	-.001	4
49	MP3C	X	0	2
50	MP3C	Z	4.581	2
51	MP3C	Mx	.001	2
52	MP3C	X	0	4
53	MP3C	Z	4.581	4
54	MP3C	Mx	.001	4
55	M117	X	0	1
56	M117	Z	9.869	1
57	M117	Mx	0	1
58	MP1A	X	0	2
59	MP1A	Z	4.87	2
60	MP1A	Mx	.003	2
61	MP1B	X	0	2
62	MP1B	Z	3.255	2
63	MP1B	Mx	.002	2
64	MP1C	X	0	2
65	MP1C	Z	4.203	2
66	MP1C	Mx	-.003	2
67	MP1A	X	0	2
68	MP1A	Z	4.87	2
69	MP1A	Mx	-.003	2
70	MP1B	X	0	2
71	MP1B	Z	2.637	2
72	MP1B	Mx	.001	2
73	MP1C	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	3.947	2
75	MP1C	Mx	.000495	2
76	MP4A	X	0	2
77	MP4A	Z	4.336	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	4.336	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	4.13	2
84	MP4B	Mx	-.002	2
85	MP4B	X	0	4
86	MP4B	Z	4.13	4
87	MP4B	Mx	-.002	4
88	MP4C	X	0	2
89	MP4C	Z	4.251	2
90	MP4C	Mx	.001	2
91	MP4C	X	0	4
92	MP4C	Z	4.251	4
93	MP4C	Mx	.001	4
94	MP2A	X	0	2
95	MP2A	Z	5.104	2
96	MP2A	Mx	0	2
97	MP2B	X	0	2
98	MP2B	Z	2.139	2
99	MP2B	Mx	.001	2
100	MP2C	X	0	2
101	MP2C	Z	3.879	2
102	MP2C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.013	1
2	MP2A	Z	10.416	1
3	MP2A	Mx	.012	1
4	MP2A	X	-6.013	5
5	MP2A	Z	10.416	5
6	MP2A	Mx	.012	5
7	MP2B	X	-5.189	1
8	MP2B	Z	8.988	1
9	MP2B	Mx	-.00017	1
10	MP2B	X	-5.189	5
11	MP2B	Z	8.988	5
12	MP2B	Mx	-.00017	5
13	MP2C	X	-6.376	1
14	MP2C	Z	11.043	1
15	MP2C	Mx	-.009	1
16	MP2C	X	-6.376	5
17	MP2C	Z	11.043	5
18	MP2C	Mx	-.009	5
19	MP2A	X	-6.013	1
20	MP2A	Z	10.416	1
21	MP2A	Mx	-.006	1
22	MP2A	X	-6.013	5
23	MP2A	Z	10.416	5
24	MP2A	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-5.189	1
26	MP2B	Z	8.988	1
27	MP2B	Mx	-.009	1
28	MP2B	X	-5.189	5
29	MP2B	Z	8.988	5
30	MP2B	Mx	-.009	5
31	MP2C	X	-6.376	1
32	MP2C	Z	11.043	1
33	MP2C	Mx	.012	1
34	MP2C	X	-6.376	5
35	MP2C	Z	11.043	5
36	MP2C	Mx	.012	5
37	MP3A	X	-2.594	2
38	MP3A	Z	4.493	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.594	4
41	MP3A	Z	4.493	4
42	MP3A	Mx	.001	4
43	MP3B	X	-1.663	2
44	MP3B	Z	2.881	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-1.663	4
47	MP3B	Z	2.881	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-3.004	2
50	MP3C	Z	5.202	2
51	MP3C	Mx	.000521	2
52	MP3C	X	-3.004	4
53	MP3C	Z	5.202	4
54	MP3C	Mx	.000521	4
55	M117	X	-4.521	1
56	M117	Z	7.83	1
57	M117	Mx	.002	1
58	MP1A	X	-2.233	2
59	MP1A	Z	3.868	2
60	MP1A	Mx	.001	2
61	MP1B	X	-1.829	2
62	MP1B	Z	3.169	2
63	MP1B	Mx	.003	2
64	MP1C	X	-2.41	2
65	MP1C	Z	4.175	2
66	MP1C	Mx	-.003	2
67	MP1A	X	-2.156	2
68	MP1A	Z	3.734	2
69	MP1A	Mx	-.003	2
70	MP1B	X	-1.597	2
71	MP1B	Z	2.767	2
72	MP1B	Mx	.000452	2
73	MP1C	X	-2.401	2
74	MP1C	Z	4.159	2
75	MP1C	Mx	.002	2
76	MP4A	X	-2.142	2
77	MP4A	Z	3.71	2
78	MP4A	Mx	.001	2
79	MP4A	X	-2.142	4
80	MP4A	Z	3.71	4
81	MP4A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	X	-2.091	2
83	MP4B	Z	3.621	2
84	MP4B	Mx	-.002	2
85	MP4B	X	-2.091	4
86	MP4B	Z	3.621	4
87	MP4B	Mx	-.002	4
88	MP4C	X	-2.165	2
89	MP4C	Z	3.749	2
90	MP4C	Mx	.000376	2
91	MP4C	X	-2.165	4
92	MP4C	Z	3.749	4
93	MP4C	Mx	.000376	4
94	MP2A	X	-2.181	2
95	MP2A	Z	3.778	2
96	MP2A	Mx	-.001	2
97	MP2B	X	-1.44	2
98	MP2B	Z	2.494	2
99	MP2B	Mx	.001	2
100	MP2C	X	-2.507	2
101	MP2C	Z	4.343	2
102	MP2C	Mx	-.000436	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.988	1
2	MP2A	Z	5.189	1
3	MP2A	Mx	.009	1
4	MP2A	X	-8.988	5
5	MP2A	Z	5.189	5
6	MP2A	Mx	.009	5
7	MP2B	X	-10.416	1
8	MP2B	Z	6.013	1
9	MP2B	Mx	.006	1
10	MP2B	X	-10.416	5
11	MP2B	Z	6.013	5
12	MP2B	Mx	.006	5
13	MP2C	X	-10.795	1
14	MP2C	Z	6.233	1
15	MP2C	Mx	-.012	1
16	MP2C	X	-10.795	5
17	MP2C	Z	6.233	5
18	MP2C	Mx	-.012	5
19	MP2A	X	-8.988	1
20	MP2A	Z	5.189	1
21	MP2A	Mx	.00017	1
22	MP2A	X	-8.988	5
23	MP2A	Z	5.189	5
24	MP2A	Mx	.00017	5
25	MP2B	X	-10.416	1
26	MP2B	Z	6.013	1
27	MP2B	Mx	-.012	1
28	MP2B	X	-10.416	5
29	MP2B	Z	6.013	5
30	MP2B	Mx	-.012	5
31	MP2C	X	-10.795	1
32	MP2C	Z	6.233	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.008	1
34	MP2C	X	-10.795	5
35	MP2C	Z	6.233	5
36	MP2C	Mx	.008	5
37	MP3A	X	-2.881	2
38	MP3A	Z	1.663	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.881	4
41	MP3A	Z	1.663	4
42	MP3A	Mx	.001	4
43	MP3B	X	-4.493	2
44	MP3B	Z	2.594	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-4.493	4
47	MP3B	Z	2.594	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-4.922	2
50	MP3C	Z	2.842	2
51	MP3C	Mx	-.000972	2
52	MP3C	X	-4.922	4
53	MP3C	Z	2.842	4
54	MP3C	Mx	-.000972	4
55	M117	X	-6.396	1
56	M117	Z	3.693	1
57	M117	Mx	.003	1
58	MP1A	X	-3.169	2
59	MP1A	Z	1.829	2
60	MP1A	Mx	-.000518	2
61	MP1B	X	-3.868	2
62	MP1B	Z	2.233	2
63	MP1B	Mx	.003	2
64	MP1C	X	-4.054	2
65	MP1C	Z	2.34	2
66	MP1C	Mx	-.002	2
67	MP1A	X	-2.767	2
68	MP1A	Z	1.597	2
69	MP1A	Mx	-.002	2
70	MP1B	X	-3.734	2
71	MP1B	Z	2.156	2
72	MP1B	Mx	-.001	2
73	MP1C	X	-3.991	2
74	MP1C	Z	2.304	2
75	MP1C	Mx	.003	2
76	MP4A	X	-3.621	2
77	MP4A	Z	2.091	2
78	MP4A	Mx	.002	2
79	MP4A	X	-3.621	4
80	MP4A	Z	2.091	4
81	MP4A	Mx	.002	4
82	MP4B	X	-3.71	2
83	MP4B	Z	2.142	2
84	MP4B	Mx	-.001	2
85	MP4B	X	-3.71	4
86	MP4B	Z	2.142	4
87	MP4B	Mx	-.001	4
88	MP4C	X	-3.734	2
89	MP4C	Z	2.156	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	-.000737	2
91	MP4C	X	-3.734	4
92	MP4C	Z	2.156	4
93	MP4C	Mx	-.000737	4
94	MP2A	X	-2.494	2
95	MP2A	Z	1.44	2
96	MP2A	Mx	-.001	2
97	MP2B	X	-3.778	2
98	MP2B	Z	2.181	2
99	MP2B	Mx	.001	2
100	MP2C	X	-4.12	2
101	MP2C	Z	2.379	2
102	MP2C	Mx	.000813	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.554	1
2	MP2A	Z	0	1
3	MP2A	Mx	.005	1
4	MP2A	X	-9.554	5
5	MP2A	Z	0	5
6	MP2A	Mx	.005	5
7	MP2B	X	-12.851	1
8	MP2B	Z	0	1
9	MP2B	Mx	.011	1
10	MP2B	X	-12.851	5
11	MP2B	Z	0	5
12	MP2B	Mx	.011	5
13	MP2C	X	-10.916	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.01	1
16	MP2C	X	-10.916	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.01	5
19	MP2A	X	-9.554	1
20	MP2A	Z	0	1
21	MP2A	Mx	.005	1
22	MP2A	X	-9.554	5
23	MP2A	Z	0	5
24	MP2A	Mx	.005	5
25	MP2B	X	-12.851	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.011	1
28	MP2B	X	-12.851	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.011	5
31	MP2C	X	-10.916	1
32	MP2C	Z	0	1
33	MP2C	Mx	.002	1
34	MP2C	X	-10.916	5
35	MP2C	Z	0	5
36	MP2C	Mx	.002	5
37	MP3A	X	-2.396	2
38	MP3A	Z	0	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.396	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	4
42	MP3A	Mx	.001	4
43	MP3B	X	-6.12	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-6.12	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-3.934	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.002	2
52	MP3C	X	-3.934	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.002	4
55	M117	X	-6.558	1
56	M117	Z	0	1
57	M117	Mx	.003	1
58	MP1A	X	-3.255	2
59	MP1A	Z	0	2
60	MP1A	Mx	-.002	2
61	MP1B	X	-4.87	2
62	MP1B	Z	0	2
63	MP1B	Mx	.003	2
64	MP1C	X	-3.922	2
65	MP1C	Z	0	2
66	MP1C	Mx	3.2e-5	2
67	MP1A	X	-2.637	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-4.87	2
71	MP1B	Z	0	2
72	MP1B	Mx	-.003	2
73	MP1C	X	-3.559	2
74	MP1C	Z	0	2
75	MP1C	Mx	.003	2
76	MP4A	X	-4.13	2
77	MP4A	Z	0	2
78	MP4A	Mx	.002	2
79	MP4A	X	-4.13	4
80	MP4A	Z	0	4
81	MP4A	Mx	.002	4
82	MP4B	X	-4.336	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-4.336	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-4.215	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-4.215	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-2.139	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.001	2
97	MP2B	X	-5.104	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2B	Z	0	2
99	MP2B	Mx	0	2
100	MP2C	X	-3.364	2
101	MP2C	Z	0	2
102	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.988	1
2	MP2A	Z	-5.189	1
3	MP2A	Mx	.00017	1
4	MP2A	X	-8.988	5
5	MP2A	Z	-5.189	5
6	MP2A	Mx	.00017	5
7	MP2B	X	-10.416	1
8	MP2B	Z	-6.013	1
9	MP2B	Mx	.012	1
10	MP2B	X	-10.416	5
11	MP2B	Z	-6.013	5
12	MP2B	Mx	.012	5
13	MP2C	X	-8.36	1
14	MP2C	Z	-4.827	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-8.36	5
17	MP2C	Z	-4.827	5
18	MP2C	Mx	-.006	5
19	MP2A	X	-8.988	1
20	MP2A	Z	-5.189	1
21	MP2A	Mx	.009	1
22	MP2A	X	-8.988	5
23	MP2A	Z	-5.189	5
24	MP2A	Mx	.009	5
25	MP2B	X	-10.416	1
26	MP2B	Z	-6.013	1
27	MP2B	Mx	-.006	1
28	MP2B	X	-10.416	5
29	MP2B	Z	-6.013	5
30	MP2B	Mx	-.006	5
31	MP2C	X	-8.36	1
32	MP2C	Z	-4.827	1
33	MP2C	Mx	-.003	1
34	MP2C	X	-8.36	5
35	MP2C	Z	-4.827	5
36	MP2C	Mx	-.003	5
37	MP3A	X	-2.881	2
38	MP3A	Z	-1.663	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.881	4
41	MP3A	Z	-1.663	4
42	MP3A	Mx	.001	4
43	MP3B	X	-4.493	2
44	MP3B	Z	-2.594	2
45	MP3B	Mx	.001	2
46	MP3B	X	-4.493	4
47	MP3B	Z	-2.594	4
48	MP3B	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	-2.172	2
50	MP3C	Z	-1.254	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-2.172	4
53	MP3C	Z	-1.254	4
54	MP3C	Mx	-.001	4
55	M117	X	-6.396	1
56	M117	Z	-3.693	1
57	M117	Mx	.003	1
58	MP1A	X	-3.169	2
59	MP1A	Z	-1.829	2
60	MP1A	Mx	-.003	2
61	MP1B	X	-3.868	2
62	MP1B	Z	-2.233	2
63	MP1B	Mx	.001	2
64	MP1C	X	-2.861	2
65	MP1C	Z	-1.652	2
66	MP1C	Mx	.001	2
67	MP1A	X	-2.767	2
68	MP1A	Z	-1.597	2
69	MP1A	Mx	-.000452	2
70	MP1B	X	-3.734	2
71	MP1B	Z	-2.156	2
72	MP1B	Mx	-.003	2
73	MP1C	X	-2.342	2
74	MP1C	Z	-1.352	2
75	MP1C	Mx	.002	2
76	MP4A	X	-3.621	2
77	MP4A	Z	-2.091	2
78	MP4A	Mx	.002	2
79	MP4A	X	-3.621	4
80	MP4A	Z	-2.091	4
81	MP4A	Mx	.002	4
82	MP4B	X	-3.71	2
83	MP4B	Z	-2.142	2
84	MP4B	Mx	.001	2
85	MP4B	X	-3.71	4
86	MP4B	Z	-2.142	4
87	MP4B	Mx	.001	4
88	MP4C	X	-3.582	2
89	MP4C	Z	-2.068	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-3.582	4
92	MP4C	Z	-2.068	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-2.494	2
95	MP2A	Z	-1.44	2
96	MP2A	Mx	-.001	2
97	MP2B	X	-3.778	2
98	MP2B	Z	-2.181	2
99	MP2B	Mx	-.001	2
100	MP2C	X	-1.93	2
101	MP2C	Z	-1.114	2
102	MP2C	Mx	.001	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.013	1
2	MP2A	Z	-10.416	1
3	MP2A	Mx	-.006	1
4	MP2A	X	-6.013	5
5	MP2A	Z	-10.416	5
6	MP2A	Mx	-.006	5
7	MP2B	X	-5.189	1
8	MP2B	Z	-8.988	1
9	MP2B	Mx	.009	1
10	MP2B	X	-5.189	5
11	MP2B	Z	-8.988	5
12	MP2B	Mx	.009	5
13	MP2C	X	-4.97	1
14	MP2C	Z	-8.608	1
15	MP2C	Mx	-.002	1
16	MP2C	X	-4.97	5
17	MP2C	Z	-8.608	5
18	MP2C	Mx	-.002	5
19	MP2A	X	-6.013	1
20	MP2A	Z	-10.416	1
21	MP2A	Mx	.012	1
22	MP2A	X	-6.013	5
23	MP2A	Z	-10.416	5
24	MP2A	Mx	.012	5
25	MP2B	X	-5.189	1
26	MP2B	Z	-8.988	1
27	MP2B	Mx	.00017	1
28	MP2B	X	-5.189	5
29	MP2B	Z	-8.988	5
30	MP2B	Mx	.00017	5
31	MP2C	X	-4.97	1
32	MP2C	Z	-8.608	1
33	MP2C	Mx	-.008	1
34	MP2C	X	-4.97	5
35	MP2C	Z	-8.608	5
36	MP2C	Mx	-.008	5
37	MP3A	X	-2.594	2
38	MP3A	Z	-4.493	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.594	4
41	MP3A	Z	-4.493	4
42	MP3A	Mx	.001	4
43	MP3B	X	-1.663	2
44	MP3B	Z	-2.881	2
45	MP3B	Mx	.001	2
46	MP3B	X	-1.663	4
47	MP3B	Z	-2.881	4
48	MP3B	Mx	.001	4
49	MP3C	X	-1.416	2
50	MP3C	Z	-2.452	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-1.416	4
53	MP3C	Z	-2.452	4
54	MP3C	Mx	-.001	4
55	M117	X	-4.521	1
56	M117	Z	-7.83	1
57	M117	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	-2.233	2
59	MP1A	Z	-3.868	2
60	MP1A	Mx	-.003	2
61	MP1B	X	-1.829	2
62	MP1B	Z	-3.169	2
63	MP1B	Mx	-.000518	2
64	MP1C	X	-1.722	2
65	MP1C	Z	-2.983	2
66	MP1C	Mx	.002	2
67	MP1A	X	-2.156	2
68	MP1A	Z	-3.734	2
69	MP1A	Mx	.001	2
70	MP1B	X	-1.597	2
71	MP1B	Z	-2.767	2
72	MP1B	Mx	-.002	2
73	MP1C	X	-1.449	2
74	MP1C	Z	-2.51	2
75	MP1C	Mx	.000783	2
76	MP4A	X	-2.142	2
77	MP4A	Z	-3.71	2
78	MP4A	Mx	.001	2
79	MP4A	X	-2.142	4
80	MP4A	Z	-3.71	4
81	MP4A	Mx	.001	4
82	MP4B	X	-2.091	2
83	MP4B	Z	-3.621	2
84	MP4B	Mx	.002	2
85	MP4B	X	-2.091	4
86	MP4B	Z	-3.621	4
87	MP4B	Mx	.002	4
88	MP4C	X	-2.077	2
89	MP4C	Z	-3.597	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-2.077	4
92	MP4C	Z	-3.597	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-2.181	2
95	MP2A	Z	-3.778	2
96	MP2A	Mx	-.001	2
97	MP2B	X	-1.44	2
98	MP2B	Z	-2.494	2
99	MP2B	Mx	-.001	2
100	MP2C	X	-1.243	2
101	MP2C	Z	-2.153	2
102	MP2C	Mx	.001	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%12

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%32

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 79 : Lv1) (Continued)

	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	-1.011	1
2	MP2A	My	-.000505	1
3	MP2A	Mz	.000842	1
4	MP2A	Y	-1.011	5
5	MP2A	My	-.000505	5
6	MP2A	Mz	.000842	5
7	MP2B	Y	-1.011	1
8	MP2B	My	-.000842	1
9	MP2B	Mz	-.000505	1
10	MP2B	Y	-1.011	5
11	MP2B	My	-.000842	5
12	MP2B	Mz	-.000505	5
13	MP2C	Y	-1.011	1
14	MP2C	My	.000929	1
15	MP2C	Mz	-.00032	1
16	MP2C	Y	-1.011	5
17	MP2C	My	.000929	5
18	MP2C	Mz	-.00032	5
19	MP2A	Y	-1.011	1
20	MP2A	My	-.000505	1
21	MP2A	Mz	-.000842	1
22	MP2A	Y	-1.011	5
23	MP2A	My	-.000505	5
24	MP2A	Mz	-.000842	5
25	MP2B	Y	-1.011	1
26	MP2B	My	.000842	1
27	MP2B	Mz	-.000505	1
28	MP2B	Y	-1.011	5
29	MP2B	My	.000842	5
30	MP2B	Mz	-.000505	5
31	MP2C	Y	-1.011	1
32	MP2C	My	-.000154	1
33	MP2C	Mz	.00097	1
34	MP2C	Y	-1.011	5
35	MP2C	My	-.000154	5
36	MP2C	Mz	.00097	5
37	MP3A	Y	-1.914	2
38	MP3A	My	-.000957	2
39	MP3A	Mz	0	2
40	MP3A	Y	-1.914	4
41	MP3A	My	-.000957	4
42	MP3A	Mz	0	4
43	MP3B	Y	-1.914	2
44	MP3B	My	0	2
45	MP3B	Mz	-.000957	2
46	MP3B	Y	-1.914	4
47	MP3B	My	0	4
48	MP3B	Mz	-.000957	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	Y	-1.914	2
50	MP3C	My	.000733	2
51	MP3C	Mz	.000615	2
52	MP3C	Y	-1.914	4
53	MP3C	My	.000733	4
54	MP3C	Mz	.000615	4
55	M117	Y	-1.406	1
56	M117	My	-.000703	1
57	M117	Mz	0	1
58	MP1A	Y	-3.709	2
59	MP1A	My	.002	2
60	MP1A	Mz	.002	2
61	MP1B	Y	-3.709	2
62	MP1B	My	-.002	2
63	MP1B	Mz	.002	2
64	MP1C	Y	-3.709	2
65	MP1C	My	-3e-5	2
66	MP1C	Mz	-.003	2
67	MP1A	Y	-3.089	2
68	MP1A	My	.002	2
69	MP1A	Mz	-.002	2
70	MP1B	Y	-3.089	2
71	MP1B	My	.002	2
72	MP1B	Mz	.002	2
73	MP1C	Y	-3.089	2
74	MP1C	My	-.002	2
75	MP1C	Mz	.000388	2
76	MP4A	Y	-.33	2
77	MP4A	My	-.000165	2
78	MP4A	Mz	0	2
79	MP4A	Y	-.33	4
80	MP4A	My	-.000165	4
81	MP4A	Mz	0	4
82	MP4B	Y	-.33	2
83	MP4B	My	0	2
84	MP4B	Mz	-.000165	2
85	MP4B	Y	-.33	4
86	MP4B	My	0	4
87	MP4B	Mz	-.000165	4
88	MP4C	Y	-.33	2
89	MP4C	My	.000126	2
90	MP4C	Mz	.000106	2
91	MP4C	Y	-.33	4
92	MP4C	My	.000126	4
93	MP4C	Mz	.000106	4
94	MP2A	Y	-2.325	2
95	MP2A	My	.001	2
96	MP2A	Mz	0	2
97	MP2B	Y	-2.325	2
98	MP2B	My	0	2
99	MP2B	Mz	.001	2
100	MP2C	Y	-2.325	2
101	MP2C	My	-.00089	2
102	MP2C	Mz	-.000747	2

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-2.527	1
2	MP2A	Mx	-.002	1
3	MP2A	Z	-2.527	5
4	MP2A	Mx	-.002	5
5	MP2B	Z	-2.527	1
6	MP2B	Mx	.001	1
7	MP2B	Z	-2.527	5
8	MP2B	Mx	.001	5
9	MP2C	Z	-2.527	1
10	MP2C	Mx	.000801	1
11	MP2C	Z	-2.527	5
12	MP2C	Mx	.000801	5
13	MP2A	Z	-2.527	1
14	MP2A	Mx	.002	1
15	MP2A	Z	-2.527	5
16	MP2A	Mx	.002	5
17	MP2B	Z	-2.527	1
18	MP2B	Mx	.001	1
19	MP2B	Z	-2.527	5
20	MP2B	Mx	.001	5
21	MP2C	Z	-2.527	1
22	MP2C	Mx	-.002	1
23	MP2C	Z	-2.527	5
24	MP2C	Mx	-.002	5
25	MP3A	Z	-4.785	2
26	MP3A	Mx	0	2
27	MP3A	Z	-4.785	4
28	MP3A	Mx	0	4
29	MP3B	Z	-4.785	2
30	MP3B	Mx	.002	2
31	MP3B	Z	-4.785	4
32	MP3B	Mx	.002	4
33	MP3C	Z	-4.785	2
34	MP3C	Mx	-.002	2
35	MP3C	Z	-4.785	4
36	MP3C	Mx	-.002	4
37	M117	Z	-3.516	1
38	M117	Mx	0	1
39	MP1A	Z	-9.273	2
40	MP1A	Mx	-.005	2
41	MP1B	Z	-9.273	2
42	MP1B	Mx	-.005	2
43	MP1C	Z	-9.273	2
44	MP1C	Mx	.007	2
45	MP1A	Z	-7.724	2
46	MP1A	Mx	.005	2
47	MP1B	Z	-7.724	2
48	MP1B	Mx	-.004	2
49	MP1C	Z	-7.724	2
50	MP1C	Mx	-.000969	2
51	MP4A	Z	-.824	2
52	MP4A	Mx	0	2
53	MP4A	Z	-.824	4
54	MP4A	Mx	0	4
55	MP4B	Z	-.824	2
56	MP4B	Mx	.000412	2
57	MP4B	Z	-.824	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4B	Mx	.000412	4
59	MP4C	Z	-.824	2
60	MP4C	Mx	-.000265	2
61	MP4C	Z	-.824	4
62	MP4C	Mx	-.000265	4
63	MP2A	Z	-5.812	2
64	MP2A	Mx	0	2
65	MP2B	Z	-5.812	2
66	MP2B	Mx	-.003	2
67	MP2C	Z	-5.812	2
68	MP2C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.527	1
2	MP2A	Mx	-.001	1
3	MP2A	X	2.527	5
4	MP2A	Mx	-.001	5
5	MP2B	X	2.527	1
6	MP2B	Mx	-.002	1
7	MP2B	X	2.527	5
8	MP2B	Mx	-.002	5
9	MP2C	X	2.527	1
10	MP2C	Mx	.002	1
11	MP2C	X	2.527	5
12	MP2C	Mx	.002	5
13	MP2A	X	2.527	1
14	MP2A	Mx	-.001	1
15	MP2A	X	2.527	5
16	MP2A	Mx	-.001	5
17	MP2B	X	2.527	1
18	MP2B	Mx	.002	1
19	MP2B	X	2.527	5
20	MP2B	Mx	.002	5
21	MP2C	X	2.527	1
22	MP2C	Mx	-.000386	1
23	MP2C	X	2.527	5
24	MP2C	Mx	-.000386	5
25	MP3A	X	4.785	2
26	MP3A	Mx	-.002	2
27	MP3A	X	4.785	4
28	MP3A	Mx	-.002	4
29	MP3B	X	4.785	2
30	MP3B	Mx	0	2
31	MP3B	X	4.785	4
32	MP3B	Mx	0	4
33	MP3C	X	4.785	2
34	MP3C	Mx	.002	2
35	MP3C	X	4.785	4
36	MP3C	Mx	.002	4
37	M117	X	3.516	1
38	M117	Mx	-.002	1
39	MP1A	X	9.273	2
40	MP1A	Mx	.005	2
41	MP1B	X	9.273	2
42	MP1B	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1C	X	9.273	2
44	MP1C	Mx	-7.5e-5	2
45	MP1A	X	7.724	2
46	MP1A	Mx	.004	2
47	MP1B	X	7.724	2
48	MP1B	Mx	.005	2
49	MP1C	X	7.724	2
50	MP1C	Mx	-.006	2
51	MP4A	X	.824	2
52	MP4A	Mx	-.000412	2
53	MP4A	X	.824	4
54	MP4A	Mx	-.000412	4
55	MP4B	X	.824	2
56	MP4B	Mx	0	2
57	MP4B	X	.824	4
58	MP4B	Mx	0	4
59	MP4C	X	.824	2
60	MP4C	Mx	.000316	2
61	MP4C	X	.824	4
62	MP4C	Mx	.000316	4
63	MP2A	X	5.812	2
64	MP2A	Mx	.003	2
65	MP2B	X	5.812	2
66	MP2B	Mx	0	2
67	MP2C	X	5.812	2
68	MP2C	Mx	-.002	2

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.551	-6.551	0	%100
2	M4	Y	-9.588	-9.588	0	%100
3	M10	Y	-9.588	-9.588	0	%100
4	MP2A	Y	-5.671	-5.671	0	%100
5	MP3A	Y	-4.967	-4.967	0	%100
6	MP1A	Y	-4.967	-4.967	0	%100
7	M43	Y	-9.588	-9.588	0	%100
8	M46	Y	-10.101	-10.101	0	%100
9	M51B	Y	-5.606	-5.606	0	%100
10	M52B	Y	-5.606	-5.606	0	%100
11	M76	Y	-10.088	-10.088	0	%100
12	M77	Y	-10.088	-10.088	0	%100
13	M80	Y	-10.101	-10.101	0	%100
14	M84	Y	-10.088	-10.088	0	%100
15	M85	Y	-10.088	-10.088	0	%100
16	M91	Y	-10.101	-10.101	0	%100
17	M52A	Y	-9.588	-9.588	0	%100
18	M53	Y	-9.588	-9.588	0	%100
19	M54	Y	-9.588	-9.588	0	%100
20	M55	Y	-10.101	-10.101	0	%100
21	M58A	Y	-5.606	-5.606	0	%100
22	M59A	Y	-5.606	-5.606	0	%100
23	M63	Y	-10.088	-10.088	0	%100
24	M64	Y	-10.088	-10.088	0	%100
25	M66	Y	-10.101	-10.101	0	%100
26	M68	Y	-10.088	-10.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M69	Y	-10.088	-10.088	0	%100
28	M71	Y	-10.101	-10.101	0	%100
29	M76A	Y	-9.588	-9.588	0	%100
30	M77A	Y	-9.588	-9.588	0	%100
31	M78	Y	-9.588	-9.588	0	%100
32	M79A	Y	-10.101	-10.101	0	%100
33	M82	Y	-5.606	-5.606	0	%100
34	M83A	Y	-5.606	-5.606	0	%100
35	M87	Y	-10.088	-10.088	0	%100
36	M88A	Y	-10.088	-10.088	0	%100
37	M90	Y	-10.101	-10.101	0	%100
38	M92A	Y	-10.088	-10.088	0	%100
39	M93	Y	-10.088	-10.088	0	%100
40	M95	Y	-10.101	-10.101	0	%100
41	M82A	Y	-6.551	-6.551	0	%100
42	M91B	Y	-6.551	-6.551	0	%100
43	M117	Y	-4.967	-4.967	0	%100
44	MP4A	Y	-4.967	-4.967	0	%100
45	MP2C	Y	-5.671	-5.671	0	%100
46	MP3C	Y	-4.967	-4.967	0	%100
47	MP1C	Y	-4.967	-4.967	0	%100
48	MP4C	Y	-4.967	-4.967	0	%100
49	MP2B	Y	-5.671	-5.671	0	%100
50	MP3B	Y	-4.967	-4.967	0	%100
51	MP1B	Y	-4.967	-4.967	0	%100
52	MP4B	Y	-4.967	-4.967	0	%100
53	M102A	Y	-5.671	-5.671	0	%100
54	M106	Y	-5.671	-5.671	0	%100
55	M107	Y	-5.671	-5.671	0	%100
56	M123	Y	-7.597	-7.597	0	%100
57	M124	Y	-7.597	-7.597	0	%100
58	M125	Y	-7.597	-7.597	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.78	-13.78	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-11.914	-11.914	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-11.387	-11.387	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-9.407	-9.407	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-9.407	-9.407	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-11.914	-11.914	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-23.765	-23.765	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-3.299	-3.299	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-3.299	-3.299	0	%100
21	M76	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-6.051	-6.051	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-6.374	-6.374	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-6.051	-6.051	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-6.374	-6.374	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-10.56	-10.56	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-2.979	-2.979	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-2.979	-2.979	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-5.941	-5.941	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-3.299	-3.299	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-13.196	-13.196	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-17.823	-17.823	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-6.051	-6.051	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-6.374	-6.374	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-17.823	-17.823	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-24.205	-24.205	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-25.494	-25.494	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-10.56	-10.56	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-2.979	-2.979	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-2.979	-2.979	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-5.941	-5.941	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-13.196	-13.196	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-3.299	-3.299	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-17.823	-17.823	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-24.205	-24.205	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-25.494	-25.494	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-17.823	-17.823	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-6.051	-6.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	0	0	0	%100
80	M95	Z	-6.374	-6.374	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-3.445	-3.445	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-3.445	-3.445	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-7.692	-7.692	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-9.407	-9.407	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-11.387	-11.387	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-9.407	-9.407	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-9.407	-9.407	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-9.407	-9.407	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-11.387	-11.387	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-9.407	-9.407	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-9.407	-9.407	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-9.407	-9.407	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-11.387	-11.387	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-2.847	-2.847	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-2.847	-2.847	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-3.658	-3.658	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-14.631	-14.631	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-3.658	-3.658	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.167	5.167	0	%100
2	M1	Z	-8.95	-8.95	0	%100
3	M4	X	1.76	1.76	0	%100
4	M4	Z	-3.049	-3.049	0	%100
5	M10	X	4.468	4.468	0	%100
6	M10	Z	-7.739	-7.739	0	%100
7	MP2A	X	5.694	5.694	0	%100
8	MP2A	Z	-9.862	-9.862	0	%100
9	MP3A	X	4.703	4.703	0	%100
10	MP3A	Z	-8.147	-8.147	0	%100
11	MP1A	X	4.703	4.703	0	%100
12	MP1A	Z	-8.147	-8.147	0	%100
13	M43	X	4.468	4.468	0	%100
14	M43	Z	-7.739	-7.739	0	%100
15	M46	X	8.912	8.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	-15.436	-15.436	0	%100
17	M51B	X	4.949	4.949	0	%100
18	M51B	Z	-8.571	-8.571	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	2.971	2.971	0	%100
22	M76	Z	-5.145	-5.145	0	%100
23	M77	X	9.077	9.077	0	%100
24	M77	Z	-15.721	-15.721	0	%100
25	M80	X	9.56	9.56	0	%100
26	M80	Z	-16.559	-16.559	0	%100
27	M84	X	2.971	2.971	0	%100
28	M84	Z	-5.145	-5.145	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	1.76	1.76	0	%100
34	M52A	Z	-3.049	-3.049	0	%100
35	M53	X	4.468	4.468	0	%100
36	M53	Z	-7.739	-7.739	0	%100
37	M54	X	4.468	4.468	0	%100
38	M54	Z	-7.739	-7.739	0	%100
39	M55	X	8.912	8.912	0	%100
40	M55	Z	-15.436	-15.436	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	4.949	4.949	0	%100
44	M59A	Z	-8.571	-8.571	0	%100
45	M63	X	2.971	2.971	0	%100
46	M63	Z	-5.145	-5.145	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	2.971	2.971	0	%100
52	M68	Z	-5.145	-5.145	0	%100
53	M69	X	9.077	9.077	0	%100
54	M69	Z	-15.721	-15.721	0	%100
55	M71	X	9.56	9.56	0	%100
56	M71	Z	-16.559	-16.559	0	%100
57	M76A	X	7.04	7.04	0	%100
58	M76A	Z	-12.194	-12.194	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	4.949	4.949	0	%100
66	M82	Z	-8.571	-8.571	0	%100
67	M83A	X	4.949	4.949	0	%100
68	M83A	Z	-8.571	-8.571	0	%100
69	M87	X	11.882	11.882	0	%100
70	M87	Z	-20.581	-20.581	0	%100
71	M88A	X	9.077	9.077	0	%100
72	M88A	Z	-15.721	-15.721	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M90	X	9.56	9.56	0	%100
74	M90	Z	-16.559	-16.559	0	%100
75	M92A	X	11.882	11.882	0	%100
76	M92A	Z	-20.581	-20.581	0	%100
77	M93	X	9.077	9.077	0	%100
78	M93	Z	-15.721	-15.721	0	%100
79	M95	X	9.56	9.56	0	%100
80	M95	Z	-16.559	-16.559	0	%100
81	M82A	X	5.167	5.167	0	%100
82	M82A	Z	-8.95	-8.95	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	3.846	3.846	0	%100
86	M117	Z	-6.662	-6.662	0	%100
87	MP4A	X	4.703	4.703	0	%100
88	MP4A	Z	-8.147	-8.147	0	%100
89	MP2C	X	5.694	5.694	0	%100
90	MP2C	Z	-9.862	-9.862	0	%100
91	MP3C	X	4.703	4.703	0	%100
92	MP3C	Z	-8.147	-8.147	0	%100
93	MP1C	X	4.703	4.703	0	%100
94	MP1C	Z	-8.147	-8.147	0	%100
95	MP4C	X	4.703	4.703	0	%100
96	MP4C	Z	-8.147	-8.147	0	%100
97	MP2B	X	5.694	5.694	0	%100
98	MP2B	Z	-9.862	-9.862	0	%100
99	MP3B	X	4.703	4.703	0	%100
100	MP3B	Z	-8.147	-8.147	0	%100
101	MP1B	X	4.703	4.703	0	%100
102	MP1B	Z	-8.147	-8.147	0	%100
103	MP4B	X	4.703	4.703	0	%100
104	MP4B	Z	-8.147	-8.147	0	%100
105	M102A	X	4.27	4.27	0	%100
106	M102A	Z	-7.396	-7.396	0	%100
107	M106	X	4.27	4.27	0	%100
108	M106	Z	-7.396	-7.396	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	5.487	5.487	0	%100
112	M123	Z	-9.503	-9.503	0	%100
113	M124	X	5.487	5.487	0	%100
114	M124	Z	-9.503	-9.503	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.983	2.983	0	%100
2	M1	Z	-1.722	-1.722	0	%100
3	M4	X	9.146	9.146	0	%100
4	M4	Z	-5.28	-5.28	0	%100
5	M10	X	2.58	2.58	0	%100
6	M10	Z	-1.489	-1.489	0	%100
7	MP2A	X	9.862	9.862	0	%100
8	MP2A	Z	-5.694	-5.694	0	%100
9	MP3A	X	8.147	8.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	-4.703	-4.703	0	%100
11	MP1A	X	8.147	8.147	0	%100
12	MP1A	Z	-4.703	-4.703	0	%100
13	M43	X	2.58	2.58	0	%100
14	M43	Z	-1.489	-1.489	0	%100
15	M46	X	5.145	5.145	0	%100
16	M46	Z	-2.971	-2.971	0	%100
17	M51B	X	11.428	11.428	0	%100
18	M51B	Z	-6.598	-6.598	0	%100
19	M52B	X	2.857	2.857	0	%100
20	M52B	Z	-1.65	-1.65	0	%100
21	M76	X	15.436	15.436	0	%100
22	M76	Z	-8.912	-8.912	0	%100
23	M77	X	20.962	20.962	0	%100
24	M77	Z	-12.102	-12.102	0	%100
25	M80	X	22.079	22.079	0	%100
26	M80	Z	-12.747	-12.747	0	%100
27	M84	X	15.436	15.436	0	%100
28	M84	Z	-8.912	-8.912	0	%100
29	M85	X	5.24	5.24	0	%100
30	M85	Z	-3.026	-3.026	0	%100
31	M91	X	5.52	5.52	0	%100
32	M91	Z	-3.187	-3.187	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	10.318	10.318	0	%100
36	M53	Z	-5.957	-5.957	0	%100
37	M54	X	10.318	10.318	0	%100
38	M54	Z	-5.957	-5.957	0	%100
39	M55	X	20.581	20.581	0	%100
40	M55	Z	-11.882	-11.882	0	%100
41	M58A	X	2.857	2.857	0	%100
42	M58A	Z	-1.65	-1.65	0	%100
43	M59A	X	2.857	2.857	0	%100
44	M59A	Z	-1.65	-1.65	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	5.24	5.24	0	%100
48	M64	Z	-3.026	-3.026	0	%100
49	M66	X	5.52	5.52	0	%100
50	M66	Z	-3.187	-3.187	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	5.24	5.24	0	%100
54	M69	Z	-3.026	-3.026	0	%100
55	M71	X	5.52	5.52	0	%100
56	M71	Z	-3.187	-3.187	0	%100
57	M76A	X	9.146	9.146	0	%100
58	M76A	Z	-5.28	-5.28	0	%100
59	M77A	X	2.58	2.58	0	%100
60	M77A	Z	-1.489	-1.489	0	%100
61	M78	X	2.58	2.58	0	%100
62	M78	Z	-1.489	-1.489	0	%100
63	M79A	X	5.145	5.145	0	%100
64	M79A	Z	-2.971	-2.971	0	%100
65	M82	X	2.857	2.857	0	%100
66	M82	Z	-1.65	-1.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	11.428	11.428	0	%100
68	M83A	Z	-6.598	-6.598	0	%100
69	M87	X	15.436	15.436	0	%100
70	M87	Z	-8.912	-8.912	0	%100
71	M88A	X	5.24	5.24	0	%100
72	M88A	Z	-3.026	-3.026	0	%100
73	M90	X	5.52	5.52	0	%100
74	M90	Z	-3.187	-3.187	0	%100
75	M92A	X	15.436	15.436	0	%100
76	M92A	Z	-8.912	-8.912	0	%100
77	M93	X	20.962	20.962	0	%100
78	M93	Z	-12.102	-12.102	0	%100
79	M95	X	22.079	22.079	0	%100
80	M95	Z	-12.747	-12.747	0	%100
81	M82A	X	11.934	11.934	0	%100
82	M82A	Z	-6.89	-6.89	0	%100
83	M91B	X	2.983	2.983	0	%100
84	M91B	Z	-1.722	-1.722	0	%100
85	M117	X	6.662	6.662	0	%100
86	M117	Z	-3.846	-3.846	0	%100
87	MP4A	X	8.147	8.147	0	%100
88	MP4A	Z	-4.703	-4.703	0	%100
89	MP2C	X	9.862	9.862	0	%100
90	MP2C	Z	-5.694	-5.694	0	%100
91	MP3C	X	8.147	8.147	0	%100
92	MP3C	Z	-4.703	-4.703	0	%100
93	MP1C	X	8.147	8.147	0	%100
94	MP1C	Z	-4.703	-4.703	0	%100
95	MP4C	X	8.147	8.147	0	%100
96	MP4C	Z	-4.703	-4.703	0	%100
97	MP2B	X	9.862	9.862	0	%100
98	MP2B	Z	-5.694	-5.694	0	%100
99	MP3B	X	8.147	8.147	0	%100
100	MP3B	Z	-4.703	-4.703	0	%100
101	MP1B	X	8.147	8.147	0	%100
102	MP1B	Z	-4.703	-4.703	0	%100
103	MP4B	X	8.147	8.147	0	%100
104	MP4B	Z	-4.703	-4.703	0	%100
105	M102A	X	2.465	2.465	0	%100
106	M102A	Z	-1.423	-1.423	0	%100
107	M106	X	9.862	9.862	0	%100
108	M106	Z	-5.694	-5.694	0	%100
109	M107	X	2.465	2.465	0	%100
110	M107	Z	-1.423	-1.423	0	%100
111	M123	X	12.671	12.671	0	%100
112	M123	Z	-7.316	-7.316	0	%100
113	M124	X	3.168	3.168	0	%100
114	M124	Z	-1.829	-1.829	0	%100
115	M125	X	3.168	3.168	0	%100
116	M125	Z	-1.829	-1.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	14.08	14.08	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	11.387	11.387	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	9.407	9.407	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	9.407	9.407	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	9.897	9.897	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	9.897	9.897	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	23.765	23.765	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	18.154	18.154	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	19.121	19.121	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	23.765	23.765	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	18.154	18.154	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	19.121	19.121	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	3.52	3.52	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	8.936	8.936	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	8.936	8.936	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	17.823	17.823	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	9.897	9.897	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	5.941	5.941	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	18.154	18.154	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	19.121	19.121	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	5.941	5.941	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	3.52	3.52	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	8.936	8.936	0	%100
60	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78	X	8.936	8.936	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	17.823	17.823	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	9.897	9.897	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	5.941	5.941	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	5.941	5.941	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	18.154	18.154	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	19.121	19.121	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	10.335	10.335	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	10.335	10.335	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	7.692	7.692	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	9.407	9.407	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	11.387	11.387	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	9.407	9.407	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	9.407	9.407	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	9.407	9.407	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	11.387	11.387	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	9.407	9.407	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	9.407	9.407	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	9.407	9.407	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	8.54	8.54	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	8.54	8.54	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	10.973	10.973	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	10.973	10.973	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.983	2.983	0	%100
2	M1	Z	1.722	1.722	0	%100
3	M4	X	9.146	9.146	0	%100
4	M4	Z	5.28	5.28	0	%100
5	M10	X	2.58	2.58	0	%100
6	M10	Z	1.489	1.489	0	%100
7	MP2A	X	9.862	9.862	0	%100
8	MP2A	Z	5.694	5.694	0	%100
9	MP3A	X	8.147	8.147	0	%100
10	MP3A	Z	4.703	4.703	0	%100
11	MP1A	X	8.147	8.147	0	%100
12	MP1A	Z	4.703	4.703	0	%100
13	M43	X	2.58	2.58	0	%100
14	M43	Z	1.489	1.489	0	%100
15	M46	X	5.145	5.145	0	%100
16	M46	Z	2.971	2.971	0	%100
17	M51B	X	2.857	2.857	0	%100
18	M51B	Z	1.65	1.65	0	%100
19	M52B	X	11.428	11.428	0	%100
20	M52B	Z	6.598	6.598	0	%100
21	M76	X	15.436	15.436	0	%100
22	M76	Z	8.912	8.912	0	%100
23	M77	X	5.24	5.24	0	%100
24	M77	Z	3.026	3.026	0	%100
25	M80	X	5.52	5.52	0	%100
26	M80	Z	3.187	3.187	0	%100
27	M84	X	15.436	15.436	0	%100
28	M84	Z	8.912	8.912	0	%100
29	M85	X	20.962	20.962	0	%100
30	M85	Z	12.102	12.102	0	%100
31	M91	X	22.079	22.079	0	%100
32	M91	Z	12.747	12.747	0	%100
33	M52A	X	9.146	9.146	0	%100
34	M52A	Z	5.28	5.28	0	%100
35	M53	X	2.58	2.58	0	%100
36	M53	Z	1.489	1.489	0	%100
37	M54	X	2.58	2.58	0	%100
38	M54	Z	1.489	1.489	0	%100
39	M55	X	5.145	5.145	0	%100
40	M55	Z	2.971	2.971	0	%100
41	M58A	X	11.428	11.428	0	%100
42	M58A	Z	6.598	6.598	0	%100
43	M59A	X	2.857	2.857	0	%100
44	M59A	Z	1.65	1.65	0	%100
45	M63	X	15.436	15.436	0	%100
46	M63	Z	8.912	8.912	0	%100
47	M64	X	20.962	20.962	0	%100
48	M64	Z	12.102	12.102	0	%100
49	M66	X	22.079	22.079	0	%100
50	M66	Z	12.747	12.747	0	%100
51	M68	X	15.436	15.436	0	%100
52	M68	Z	8.912	8.912	0	%100
53	M69	X	5.24	5.24	0	%100
54	M69	Z	3.026	3.026	0	%100
55	M71	X	5.52	5.52	0	%100
56	M71	Z	3.187	3.187	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	0	0	0	%100
59	M77A	X	10.318	10.318	0	%100
60	M77A	Z	5.957	5.957	0	%100
61	M78	X	10.318	10.318	0	%100
62	M78	Z	5.957	5.957	0	%100
63	M79A	X	20.581	20.581	0	%100
64	M79A	Z	11.882	11.882	0	%100
65	M82	X	2.857	2.857	0	%100
66	M82	Z	1.65	1.65	0	%100
67	M83A	X	2.857	2.857	0	%100
68	M83A	Z	1.65	1.65	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	5.24	5.24	0	%100
72	M88A	Z	3.026	3.026	0	%100
73	M90	X	5.52	5.52	0	%100
74	M90	Z	3.187	3.187	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	5.24	5.24	0	%100
78	M93	Z	3.026	3.026	0	%100
79	M95	X	5.52	5.52	0	%100
80	M95	Z	3.187	3.187	0	%100
81	M82A	X	2.983	2.983	0	%100
82	M82A	Z	1.722	1.722	0	%100
83	M91B	X	11.934	11.934	0	%100
84	M91B	Z	6.89	6.89	0	%100
85	M117	X	6.662	6.662	0	%100
86	M117	Z	3.846	3.846	0	%100
87	MP4A	X	8.147	8.147	0	%100
88	MP4A	Z	4.703	4.703	0	%100
89	MP2C	X	9.862	9.862	0	%100
90	MP2C	Z	5.694	5.694	0	%100
91	MP3C	X	8.147	8.147	0	%100
92	MP3C	Z	4.703	4.703	0	%100
93	MP1C	X	8.147	8.147	0	%100
94	MP1C	Z	4.703	4.703	0	%100
95	MP4C	X	8.147	8.147	0	%100
96	MP4C	Z	4.703	4.703	0	%100
97	MP2B	X	9.862	9.862	0	%100
98	MP2B	Z	5.694	5.694	0	%100
99	MP3B	X	8.147	8.147	0	%100
100	MP3B	Z	4.703	4.703	0	%100
101	MP1B	X	8.147	8.147	0	%100
102	MP1B	Z	4.703	4.703	0	%100
103	MP4B	X	8.147	8.147	0	%100
104	MP4B	Z	4.703	4.703	0	%100
105	M102A	X	2.465	2.465	0	%100
106	M102A	Z	1.423	1.423	0	%100
107	M106	X	2.465	2.465	0	%100
108	M106	Z	1.423	1.423	0	%100
109	M107	X	9.862	9.862	0	%100
110	M107	Z	5.694	5.694	0	%100
111	M123	X	3.168	3.168	0	%100
112	M123	Z	1.829	1.829	0	%100
113	M124	X	3.168	3.168	0	%100
114	M124	Z	1.829	1.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	12.671	12.671	0	%100
116	M125	Z	7.316	7.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.167	5.167	0	%100
2	M1	Z	8.95	8.95	0	%100
3	M4	X	1.76	1.76	0	%100
4	M4	Z	3.049	3.049	0	%100
5	M10	X	4.468	4.468	0	%100
6	M10	Z	7.739	7.739	0	%100
7	MP2A	X	5.694	5.694	0	%100
8	MP2A	Z	9.862	9.862	0	%100
9	MP3A	X	4.703	4.703	0	%100
10	MP3A	Z	8.147	8.147	0	%100
11	MP1A	X	4.703	4.703	0	%100
12	MP1A	Z	8.147	8.147	0	%100
13	M43	X	4.468	4.468	0	%100
14	M43	Z	7.739	7.739	0	%100
15	M46	X	8.912	8.912	0	%100
16	M46	Z	15.436	15.436	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	4.949	4.949	0	%100
20	M52B	Z	8.571	8.571	0	%100
21	M76	X	2.971	2.971	0	%100
22	M76	Z	5.145	5.145	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	2.971	2.971	0	%100
28	M84	Z	5.145	5.145	0	%100
29	M85	X	9.077	9.077	0	%100
30	M85	Z	15.721	15.721	0	%100
31	M91	X	9.56	9.56	0	%100
32	M91	Z	16.559	16.559	0	%100
33	M52A	X	7.04	7.04	0	%100
34	M52A	Z	12.194	12.194	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	4.949	4.949	0	%100
42	M58A	Z	8.571	8.571	0	%100
43	M59A	X	4.949	4.949	0	%100
44	M59A	Z	8.571	8.571	0	%100
45	M63	X	11.882	11.882	0	%100
46	M63	Z	20.581	20.581	0	%100
47	M64	X	9.077	9.077	0	%100
48	M64	Z	15.721	15.721	0	%100
49	M66	X	9.56	9.56	0	%100
50	M66	Z	16.559	16.559	0	%100
51	M68	X	11.882	11.882	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	20.581	20.581	0	%100
53	M69	X	9.077	9.077	0	%100
54	M69	Z	15.721	15.721	0	%100
55	M71	X	9.56	9.56	0	%100
56	M71	Z	16.559	16.559	0	%100
57	M76A	X	1.76	1.76	0	%100
58	M76A	Z	3.049	3.049	0	%100
59	M77A	X	4.468	4.468	0	%100
60	M77A	Z	7.739	7.739	0	%100
61	M78	X	4.468	4.468	0	%100
62	M78	Z	7.739	7.739	0	%100
63	M79A	X	8.912	8.912	0	%100
64	M79A	Z	15.436	15.436	0	%100
65	M82	X	4.949	4.949	0	%100
66	M82	Z	8.571	8.571	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	2.971	2.971	0	%100
70	M87	Z	5.145	5.145	0	%100
71	M88A	X	9.077	9.077	0	%100
72	M88A	Z	15.721	15.721	0	%100
73	M90	X	9.56	9.56	0	%100
74	M90	Z	16.559	16.559	0	%100
75	M92A	X	2.971	2.971	0	%100
76	M92A	Z	5.145	5.145	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	5.167	5.167	0	%100
84	M91B	Z	8.95	8.95	0	%100
85	M117	X	3.846	3.846	0	%100
86	M117	Z	6.662	6.662	0	%100
87	MP4A	X	4.703	4.703	0	%100
88	MP4A	Z	8.147	8.147	0	%100
89	MP2C	X	5.694	5.694	0	%100
90	MP2C	Z	9.862	9.862	0	%100
91	MP3C	X	4.703	4.703	0	%100
92	MP3C	Z	8.147	8.147	0	%100
93	MP1C	X	4.703	4.703	0	%100
94	MP1C	Z	8.147	8.147	0	%100
95	MP4C	X	4.703	4.703	0	%100
96	MP4C	Z	8.147	8.147	0	%100
97	MP2B	X	5.694	5.694	0	%100
98	MP2B	Z	9.862	9.862	0	%100
99	MP3B	X	4.703	4.703	0	%100
100	MP3B	Z	8.147	8.147	0	%100
101	MP1B	X	4.703	4.703	0	%100
102	MP1B	Z	8.147	8.147	0	%100
103	MP4B	X	4.703	4.703	0	%100
104	MP4B	Z	8.147	8.147	0	%100
105	M102A	X	4.27	4.27	0	%100
106	M102A	Z	7.396	7.396	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	4.27	4.27	0	%100
110	M107	Z	7.396	7.396	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	5.487	5.487	0	%100
114	M124	Z	9.503	9.503	0	%100
115	M125	X	5.487	5.487	0	%100
116	M125	Z	9.503	9.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	13.78	13.78	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	11.914	11.914	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	11.387	11.387	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	9.407	9.407	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	9.407	9.407	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	11.914	11.914	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	23.765	23.765	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	3.299	3.299	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	3.299	3.299	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	6.051	6.051	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	6.374	6.374	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	6.051	6.051	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	6.374	6.374	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	10.56	10.56	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	2.979	2.979	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	2.979	2.979	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	5.941	5.941	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	3.299	3.299	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	13.196	13.196	0	%100
45	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	17.823	17.823	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	6.051	6.051	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	6.374	6.374	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	17.823	17.823	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	24.205	24.205	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	25.494	25.494	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	10.56	10.56	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	2.979	2.979	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	2.979	2.979	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	5.941	5.941	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	13.196	13.196	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	3.299	3.299	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	17.823	17.823	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	24.205	24.205	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	25.494	25.494	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	17.823	17.823	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	6.051	6.051	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	6.374	6.374	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	3.445	3.445	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	3.445	3.445	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	7.692	7.692	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	9.407	9.407	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	11.387	11.387	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	9.407	9.407	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	9.407	9.407	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	9.407	9.407	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	11.387	11.387	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	9.407	9.407	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	9.407	9.407	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	0	0	0	%100
104	MP4B	Z	9.407	9.407	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	11.387	11.387	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	2.847	2.847	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	2.847	2.847	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	3.658	3.658	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	14.631	14.631	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	3.658	3.658	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.167	-5.167	0	%100
2	M1	Z	8.95	8.95	0	%100
3	M4	X	-1.76	-1.76	0	%100
4	M4	Z	3.049	3.049	0	%100
5	M10	X	-4.468	-4.468	0	%100
6	M10	Z	7.739	7.739	0	%100
7	MP2A	X	-5.694	-5.694	0	%100
8	MP2A	Z	9.862	9.862	0	%100
9	MP3A	X	-4.703	-4.703	0	%100
10	MP3A	Z	8.147	8.147	0	%100
11	MP1A	X	-4.703	-4.703	0	%100
12	MP1A	Z	8.147	8.147	0	%100
13	M43	X	-4.468	-4.468	0	%100
14	M43	Z	7.739	7.739	0	%100
15	M46	X	-8.912	-8.912	0	%100
16	M46	Z	15.436	15.436	0	%100
17	M51B	X	-4.949	-4.949	0	%100
18	M51B	Z	8.571	8.571	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-2.971	-2.971	0	%100
22	M76	Z	5.145	5.145	0	%100
23	M77	X	-9.077	-9.077	0	%100
24	M77	Z	15.721	15.721	0	%100
25	M80	X	-9.56	-9.56	0	%100
26	M80	Z	16.559	16.559	0	%100
27	M84	X	-2.971	-2.971	0	%100
28	M84	Z	5.145	5.145	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-1.76	-1.76	0	%100
34	M52A	Z	3.049	3.049	0	%100
35	M53	X	-4.468	-4.468	0	%100
36	M53	Z	7.739	7.739	0	%100
37	M54	X	-4.468	-4.468	0	%100
38	M54	Z	7.739	7.739	0	%100
39	M55	X	-8.912	-8.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M55	Z	15.436	15.436	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-4.949	-4.949	0	%100
44	M59A	Z	8.571	8.571	0	%100
45	M63	X	-2.971	-2.971	0	%100
46	M63	Z	5.145	5.145	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-2.971	-2.971	0	%100
52	M68	Z	5.145	5.145	0	%100
53	M69	X	-9.077	-9.077	0	%100
54	M69	Z	15.721	15.721	0	%100
55	M71	X	-9.56	-9.56	0	%100
56	M71	Z	16.559	16.559	0	%100
57	M76A	X	-7.04	-7.04	0	%100
58	M76A	Z	12.194	12.194	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-4.949	-4.949	0	%100
66	M82	Z	8.571	8.571	0	%100
67	M83A	X	-4.949	-4.949	0	%100
68	M83A	Z	8.571	8.571	0	%100
69	M87	X	-11.882	-11.882	0	%100
70	M87	Z	20.581	20.581	0	%100
71	M88A	X	-9.077	-9.077	0	%100
72	M88A	Z	15.721	15.721	0	%100
73	M90	X	-9.56	-9.56	0	%100
74	M90	Z	16.559	16.559	0	%100
75	M92A	X	-11.882	-11.882	0	%100
76	M92A	Z	20.581	20.581	0	%100
77	M93	X	-9.077	-9.077	0	%100
78	M93	Z	15.721	15.721	0	%100
79	M95	X	-9.56	-9.56	0	%100
80	M95	Z	16.559	16.559	0	%100
81	M82A	X	-5.167	-5.167	0	%100
82	M82A	Z	8.95	8.95	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-3.846	-3.846	0	%100
86	M117	Z	6.662	6.662	0	%100
87	MP4A	X	-4.703	-4.703	0	%100
88	MP4A	Z	8.147	8.147	0	%100
89	MP2C	X	-5.694	-5.694	0	%100
90	MP2C	Z	9.862	9.862	0	%100
91	MP3C	X	-4.703	-4.703	0	%100
92	MP3C	Z	8.147	8.147	0	%100
93	MP1C	X	-4.703	-4.703	0	%100
94	MP1C	Z	8.147	8.147	0	%100
95	MP4C	X	-4.703	-4.703	0	%100
96	MP4C	Z	8.147	8.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP2B	X	-5.694	-5.694	0	%100
98	MP2B	Z	9.862	9.862	0	%100
99	MP3B	X	-4.703	-4.703	0	%100
100	MP3B	Z	8.147	8.147	0	%100
101	MP1B	X	-4.703	-4.703	0	%100
102	MP1B	Z	8.147	8.147	0	%100
103	MP4B	X	-4.703	-4.703	0	%100
104	MP4B	Z	8.147	8.147	0	%100
105	M102A	X	-4.27	-4.27	0	%100
106	M102A	Z	7.396	7.396	0	%100
107	M106	X	-4.27	-4.27	0	%100
108	M106	Z	7.396	7.396	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-5.487	-5.487	0	%100
112	M123	Z	9.503	9.503	0	%100
113	M124	X	-5.487	-5.487	0	%100
114	M124	Z	9.503	9.503	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.983	-2.983	0	%100
2	M1	Z	1.722	1.722	0	%100
3	M4	X	-9.146	-9.146	0	%100
4	M4	Z	5.28	5.28	0	%100
5	M10	X	-2.58	-2.58	0	%100
6	M10	Z	1.489	1.489	0	%100
7	MP2A	X	-9.862	-9.862	0	%100
8	MP2A	Z	5.694	5.694	0	%100
9	MP3A	X	-8.147	-8.147	0	%100
10	MP3A	Z	4.703	4.703	0	%100
11	MP1A	X	-8.147	-8.147	0	%100
12	MP1A	Z	4.703	4.703	0	%100
13	M43	X	-2.58	-2.58	0	%100
14	M43	Z	1.489	1.489	0	%100
15	M46	X	-5.145	-5.145	0	%100
16	M46	Z	2.971	2.971	0	%100
17	M51B	X	-11.428	-11.428	0	%100
18	M51B	Z	6.598	6.598	0	%100
19	M52B	X	-2.857	-2.857	0	%100
20	M52B	Z	1.65	1.65	0	%100
21	M76	X	-15.436	-15.436	0	%100
22	M76	Z	8.912	8.912	0	%100
23	M77	X	-20.962	-20.962	0	%100
24	M77	Z	12.102	12.102	0	%100
25	M80	X	-22.079	-22.079	0	%100
26	M80	Z	12.747	12.747	0	%100
27	M84	X	-15.436	-15.436	0	%100
28	M84	Z	8.912	8.912	0	%100
29	M85	X	-5.24	-5.24	0	%100
30	M85	Z	3.026	3.026	0	%100
31	M91	X	-5.52	-5.52	0	%100
32	M91	Z	3.187	3.187	0	%100
33	M52A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	0	0	0	%100
35	M53	X	-10.318	-10.318	0	%100
36	M53	Z	5.957	5.957	0	%100
37	M54	X	-10.318	-10.318	0	%100
38	M54	Z	5.957	5.957	0	%100
39	M55	X	-20.581	-20.581	0	%100
40	M55	Z	11.882	11.882	0	%100
41	M58A	X	-2.857	-2.857	0	%100
42	M58A	Z	1.65	1.65	0	%100
43	M59A	X	-2.857	-2.857	0	%100
44	M59A	Z	1.65	1.65	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-5.24	-5.24	0	%100
48	M64	Z	3.026	3.026	0	%100
49	M66	X	-5.52	-5.52	0	%100
50	M66	Z	3.187	3.187	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-5.24	-5.24	0	%100
54	M69	Z	3.026	3.026	0	%100
55	M71	X	-5.52	-5.52	0	%100
56	M71	Z	3.187	3.187	0	%100
57	M76A	X	-9.146	-9.146	0	%100
58	M76A	Z	5.28	5.28	0	%100
59	M77A	X	-2.58	-2.58	0	%100
60	M77A	Z	1.489	1.489	0	%100
61	M78	X	-2.58	-2.58	0	%100
62	M78	Z	1.489	1.489	0	%100
63	M79A	X	-5.145	-5.145	0	%100
64	M79A	Z	2.971	2.971	0	%100
65	M82	X	-2.857	-2.857	0	%100
66	M82	Z	1.65	1.65	0	%100
67	M83A	X	-11.428	-11.428	0	%100
68	M83A	Z	6.598	6.598	0	%100
69	M87	X	-15.436	-15.436	0	%100
70	M87	Z	8.912	8.912	0	%100
71	M88A	X	-5.24	-5.24	0	%100
72	M88A	Z	3.026	3.026	0	%100
73	M90	X	-5.52	-5.52	0	%100
74	M90	Z	3.187	3.187	0	%100
75	M92A	X	-15.436	-15.436	0	%100
76	M92A	Z	8.912	8.912	0	%100
77	M93	X	-20.962	-20.962	0	%100
78	M93	Z	12.102	12.102	0	%100
79	M95	X	-22.079	-22.079	0	%100
80	M95	Z	12.747	12.747	0	%100
81	M82A	X	-11.934	-11.934	0	%100
82	M82A	Z	6.89	6.89	0	%100
83	M91B	X	-2.983	-2.983	0	%100
84	M91B	Z	1.722	1.722	0	%100
85	M117	X	-6.662	-6.662	0	%100
86	M117	Z	3.846	3.846	0	%100
87	MP4A	X	-8.147	-8.147	0	%100
88	MP4A	Z	4.703	4.703	0	%100
89	MP2C	X	-9.862	-9.862	0	%100
90	MP2C	Z	5.694	5.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	-8.147	-8.147	0	%100
92	MP3C	Z	4.703	4.703	0	%100
93	MP1C	X	-8.147	-8.147	0	%100
94	MP1C	Z	4.703	4.703	0	%100
95	MP4C	X	-8.147	-8.147	0	%100
96	MP4C	Z	4.703	4.703	0	%100
97	MP2B	X	-9.862	-9.862	0	%100
98	MP2B	Z	5.694	5.694	0	%100
99	MP3B	X	-8.147	-8.147	0	%100
100	MP3B	Z	4.703	4.703	0	%100
101	MP1B	X	-8.147	-8.147	0	%100
102	MP1B	Z	4.703	4.703	0	%100
103	MP4B	X	-8.147	-8.147	0	%100
104	MP4B	Z	4.703	4.703	0	%100
105	M102A	X	-2.465	-2.465	0	%100
106	M102A	Z	1.423	1.423	0	%100
107	M106	X	-9.862	-9.862	0	%100
108	M106	Z	5.694	5.694	0	%100
109	M107	X	-2.465	-2.465	0	%100
110	M107	Z	1.423	1.423	0	%100
111	M123	X	-12.671	-12.671	0	%100
112	M123	Z	7.316	7.316	0	%100
113	M124	X	-3.168	-3.168	0	%100
114	M124	Z	1.829	1.829	0	%100
115	M125	X	-3.168	-3.168	0	%100
116	M125	Z	1.829	1.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-14.08	-14.08	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-11.387	-11.387	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-9.407	-9.407	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-9.407	-9.407	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-9.897	-9.897	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-9.897	-9.897	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-23.765	-23.765	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-18.154	-18.154	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-19.121	-19.121	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-23.765	-23.765	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M84	Z	0	0	0	%100
29	M85	X	-18.154	-18.154	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-19.121	-19.121	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-3.52	-3.52	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-8.936	-8.936	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-8.936	-8.936	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-17.823	-17.823	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-9.897	-9.897	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-5.941	-5.941	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-18.154	-18.154	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-19.121	-19.121	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-5.941	-5.941	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-3.52	-3.52	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-8.936	-8.936	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-8.936	-8.936	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-17.823	-17.823	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-9.897	-9.897	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-5.941	-5.941	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-5.941	-5.941	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-18.154	-18.154	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-19.121	-19.121	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-10.335	-10.335	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-10.335	-10.335	0	%100
84	M91B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M117	X	-7.692	-7.692	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-9.407	-9.407	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-11.387	-11.387	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-9.407	-9.407	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-9.407	-9.407	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-9.407	-9.407	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-11.387	-11.387	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-9.407	-9.407	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-9.407	-9.407	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-9.407	-9.407	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-8.54	-8.54	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-8.54	-8.54	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-10.973	-10.973	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-10.973	-10.973	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.983	-2.983	0	%100
2	M1	Z	-1.722	-1.722	0	%100
3	M4	X	-9.146	-9.146	0	%100
4	M4	Z	-5.28	-5.28	0	%100
5	M10	X	-2.58	-2.58	0	%100
6	M10	Z	-1.489	-1.489	0	%100
7	MP2A	X	-9.862	-9.862	0	%100
8	MP2A	Z	-5.694	-5.694	0	%100
9	MP3A	X	-8.147	-8.147	0	%100
10	MP3A	Z	-4.703	-4.703	0	%100
11	MP1A	X	-8.147	-8.147	0	%100
12	MP1A	Z	-4.703	-4.703	0	%100
13	M43	X	-2.58	-2.58	0	%100
14	M43	Z	-1.489	-1.489	0	%100
15	M46	X	-5.145	-5.145	0	%100
16	M46	Z	-2.971	-2.971	0	%100
17	M51B	X	-2.857	-2.857	0	%100
18	M51B	Z	-1.65	-1.65	0	%100
19	M52B	X	-11.428	-11.428	0	%100
20	M52B	Z	-6.598	-6.598	0	%100
21	M76	X	-15.436	-15.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	-8.912	-8.912	0	%100
23	M77	X	-5.24	-5.24	0	%100
24	M77	Z	-3.026	-3.026	0	%100
25	M80	X	-5.52	-5.52	0	%100
26	M80	Z	-3.187	-3.187	0	%100
27	M84	X	-15.436	-15.436	0	%100
28	M84	Z	-8.912	-8.912	0	%100
29	M85	X	-20.962	-20.962	0	%100
30	M85	Z	-12.102	-12.102	0	%100
31	M91	X	-22.079	-22.079	0	%100
32	M91	Z	-12.747	-12.747	0	%100
33	M52A	X	-9.146	-9.146	0	%100
34	M52A	Z	-5.28	-5.28	0	%100
35	M53	X	-2.58	-2.58	0	%100
36	M53	Z	-1.489	-1.489	0	%100
37	M54	X	-2.58	-2.58	0	%100
38	M54	Z	-1.489	-1.489	0	%100
39	M55	X	-5.145	-5.145	0	%100
40	M55	Z	-2.971	-2.971	0	%100
41	M58A	X	-11.428	-11.428	0	%100
42	M58A	Z	-6.598	-6.598	0	%100
43	M59A	X	-2.857	-2.857	0	%100
44	M59A	Z	-1.65	-1.65	0	%100
45	M63	X	-15.436	-15.436	0	%100
46	M63	Z	-8.912	-8.912	0	%100
47	M64	X	-20.962	-20.962	0	%100
48	M64	Z	-12.102	-12.102	0	%100
49	M66	X	-22.079	-22.079	0	%100
50	M66	Z	-12.747	-12.747	0	%100
51	M68	X	-15.436	-15.436	0	%100
52	M68	Z	-8.912	-8.912	0	%100
53	M69	X	-5.24	-5.24	0	%100
54	M69	Z	-3.026	-3.026	0	%100
55	M71	X	-5.52	-5.52	0	%100
56	M71	Z	-3.187	-3.187	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-10.318	-10.318	0	%100
60	M77A	Z	-5.957	-5.957	0	%100
61	M78	X	-10.318	-10.318	0	%100
62	M78	Z	-5.957	-5.957	0	%100
63	M79A	X	-20.581	-20.581	0	%100
64	M79A	Z	-11.882	-11.882	0	%100
65	M82	X	-2.857	-2.857	0	%100
66	M82	Z	-1.65	-1.65	0	%100
67	M83A	X	-2.857	-2.857	0	%100
68	M83A	Z	-1.65	-1.65	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-5.24	-5.24	0	%100
72	M88A	Z	-3.026	-3.026	0	%100
73	M90	X	-5.52	-5.52	0	%100
74	M90	Z	-3.187	-3.187	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-5.24	-5.24	0	%100
78	M93	Z	-3.026	-3.026	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	-5.52	-5.52	0	%100
80	M95	Z	-3.187	-3.187	0	%100
81	M82A	X	-2.983	-2.983	0	%100
82	M82A	Z	-1.722	-1.722	0	%100
83	M91B	X	-11.934	-11.934	0	%100
84	M91B	Z	-6.89	-6.89	0	%100
85	M117	X	-6.662	-6.662	0	%100
86	M117	Z	-3.846	-3.846	0	%100
87	MP4A	X	-8.147	-8.147	0	%100
88	MP4A	Z	-4.703	-4.703	0	%100
89	MP2C	X	-9.862	-9.862	0	%100
90	MP2C	Z	-5.694	-5.694	0	%100
91	MP3C	X	-8.147	-8.147	0	%100
92	MP3C	Z	-4.703	-4.703	0	%100
93	MP1C	X	-8.147	-8.147	0	%100
94	MP1C	Z	-4.703	-4.703	0	%100
95	MP4C	X	-8.147	-8.147	0	%100
96	MP4C	Z	-4.703	-4.703	0	%100
97	MP2B	X	-9.862	-9.862	0	%100
98	MP2B	Z	-5.694	-5.694	0	%100
99	MP3B	X	-8.147	-8.147	0	%100
100	MP3B	Z	-4.703	-4.703	0	%100
101	MP1B	X	-8.147	-8.147	0	%100
102	MP1B	Z	-4.703	-4.703	0	%100
103	MP4B	X	-8.147	-8.147	0	%100
104	MP4B	Z	-4.703	-4.703	0	%100
105	M102A	X	-2.465	-2.465	0	%100
106	M102A	Z	-1.423	-1.423	0	%100
107	M106	X	-2.465	-2.465	0	%100
108	M106	Z	-1.423	-1.423	0	%100
109	M107	X	-9.862	-9.862	0	%100
110	M107	Z	-5.694	-5.694	0	%100
111	M123	X	-3.168	-3.168	0	%100
112	M123	Z	-1.829	-1.829	0	%100
113	M124	X	-3.168	-3.168	0	%100
114	M124	Z	-1.829	-1.829	0	%100
115	M125	X	-12.671	-12.671	0	%100
116	M125	Z	-7.316	-7.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.167	-5.167	0	%100
2	M1	Z	-8.95	-8.95	0	%100
3	M4	X	-1.76	-1.76	0	%100
4	M4	Z	-3.049	-3.049	0	%100
5	M10	X	-4.468	-4.468	0	%100
6	M10	Z	-7.739	-7.739	0	%100
7	MP2A	X	-5.694	-5.694	0	%100
8	MP2A	Z	-9.862	-9.862	0	%100
9	MP3A	X	-4.703	-4.703	0	%100
10	MP3A	Z	-8.147	-8.147	0	%100
11	MP1A	X	-4.703	-4.703	0	%100
12	MP1A	Z	-8.147	-8.147	0	%100
13	M43	X	-4.468	-4.468	0	%100
14	M43	Z	-7.739	-7.739	0	%100
15	M46	X	-8.912	-8.912	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	-15.436	-15.436	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-4.949	-4.949	0	%100
20	M52B	Z	-8.571	-8.571	0	%100
21	M76	X	-2.971	-2.971	0	%100
22	M76	Z	-5.145	-5.145	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-2.971	-2.971	0	%100
28	M84	Z	-5.145	-5.145	0	%100
29	M85	X	-9.077	-9.077	0	%100
30	M85	Z	-15.721	-15.721	0	%100
31	M91	X	-9.56	-9.56	0	%100
32	M91	Z	-16.559	-16.559	0	%100
33	M52A	X	-7.04	-7.04	0	%100
34	M52A	Z	-12.194	-12.194	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-4.949	-4.949	0	%100
42	M58A	Z	-8.571	-8.571	0	%100
43	M59A	X	-4.949	-4.949	0	%100
44	M59A	Z	-8.571	-8.571	0	%100
45	M63	X	-11.882	-11.882	0	%100
46	M63	Z	-20.581	-20.581	0	%100
47	M64	X	-9.077	-9.077	0	%100
48	M64	Z	-15.721	-15.721	0	%100
49	M66	X	-9.56	-9.56	0	%100
50	M66	Z	-16.559	-16.559	0	%100
51	M68	X	-11.882	-11.882	0	%100
52	M68	Z	-20.581	-20.581	0	%100
53	M69	X	-9.077	-9.077	0	%100
54	M69	Z	-15.721	-15.721	0	%100
55	M71	X	-9.56	-9.56	0	%100
56	M71	Z	-16.559	-16.559	0	%100
57	M76A	X	-1.76	-1.76	0	%100
58	M76A	Z	-3.049	-3.049	0	%100
59	M77A	X	-4.468	-4.468	0	%100
60	M77A	Z	-7.739	-7.739	0	%100
61	M78	X	-4.468	-4.468	0	%100
62	M78	Z	-7.739	-7.739	0	%100
63	M79A	X	-8.912	-8.912	0	%100
64	M79A	Z	-15.436	-15.436	0	%100
65	M82	X	-4.949	-4.949	0	%100
66	M82	Z	-8.571	-8.571	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-2.971	-2.971	0	%100
70	M87	Z	-5.145	-5.145	0	%100
71	M88A	X	-9.077	-9.077	0	%100
72	M88A	Z	-15.721	-15.721	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M90	X	-9.56	-9.56	0	%100
74	M90	Z	-16.559	-16.559	0	%100
75	M92A	X	-2.971	-2.971	0	%100
76	M92A	Z	-5.145	-5.145	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-5.167	-5.167	0	%100
84	M91B	Z	-8.95	-8.95	0	%100
85	M117	X	-3.846	-3.846	0	%100
86	M117	Z	-6.662	-6.662	0	%100
87	MP4A	X	-4.703	-4.703	0	%100
88	MP4A	Z	-8.147	-8.147	0	%100
89	MP2C	X	-5.694	-5.694	0	%100
90	MP2C	Z	-9.862	-9.862	0	%100
91	MP3C	X	-4.703	-4.703	0	%100
92	MP3C	Z	-8.147	-8.147	0	%100
93	MP1C	X	-4.703	-4.703	0	%100
94	MP1C	Z	-8.147	-8.147	0	%100
95	MP4C	X	-4.703	-4.703	0	%100
96	MP4C	Z	-8.147	-8.147	0	%100
97	MP2B	X	-5.694	-5.694	0	%100
98	MP2B	Z	-9.862	-9.862	0	%100
99	MP3B	X	-4.703	-4.703	0	%100
100	MP3B	Z	-8.147	-8.147	0	%100
101	MP1B	X	-4.703	-4.703	0	%100
102	MP1B	Z	-8.147	-8.147	0	%100
103	MP4B	X	-4.703	-4.703	0	%100
104	MP4B	Z	-8.147	-8.147	0	%100
105	M102A	X	-4.27	-4.27	0	%100
106	M102A	Z	-7.396	-7.396	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-4.27	-4.27	0	%100
110	M107	Z	-7.396	-7.396	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-5.487	-5.487	0	%100
114	M124	Z	-9.503	-9.503	0	%100
115	M125	X	-5.487	-5.487	0	%100
116	M125	Z	-9.503	-9.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-4.199	-4.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.453	-3.453	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-3.747	-3.747	0	%100
9	MP3A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	-3.385	-3.385	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-3.385	-3.385	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-3.453	-3.453	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-5.401	-5.401	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-.994	-.994	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-.994	-.994	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-1.348	-1.348	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-1.407	-1.407	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-1.348	-1.348	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-1.407	-1.407	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-3.179	-3.179	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.863	-.863	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.863	-.863	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-1.35	-1.35	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.994	-.994	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-3.974	-3.974	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-3.985	-3.985	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-1.348	-1.348	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-1.407	-1.407	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-3.985	-3.985	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-5.393	-5.393	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-5.629	-5.629	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-3.179	-3.179	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.863	-.863	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.863	-.863	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-1.35	-1.35	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-3.974	-3.974	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	0	0	0	%100
68	M83A	Z	-.994	-.994	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-3.985	-3.985	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-5.393	-5.393	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-5.629	-5.629	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-3.985	-3.985	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-1.348	-1.348	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-1.407	-1.407	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-1.05	-1.05	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-1.05	-1.05	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-2.783	-2.783	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-3.385	-3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.747	-3.747	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-3.385	-3.385	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-3.385	-3.385	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-3.385	-3.385	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.747	-3.747	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.385	-3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.385	-3.385	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-3.385	-3.385	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-3.747	-3.747	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-.937	-.937	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.937	-.937	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.986	-.986	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.942	-3.942	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.986	-.986	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.575	1.575	0	%100
2	M1	Z	-2.727	-2.727	0	%100
3	M4	X	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	-.918	-.918	0	%100
5	M10	X	1.295	1.295	0	%100
6	M10	Z	-2.243	-2.243	0	%100
7	MP2A	X	1.874	1.874	0	%100
8	MP2A	Z	-3.245	-3.245	0	%100
9	MP3A	X	1.693	1.693	0	%100
10	MP3A	Z	-2.932	-2.932	0	%100
11	MP1A	X	1.693	1.693	0	%100
12	MP1A	Z	-2.932	-2.932	0	%100
13	M43	X	1.295	1.295	0	%100
14	M43	Z	-2.243	-2.243	0	%100
15	M46	X	2.025	2.025	0	%100
16	M46	Z	-3.508	-3.508	0	%100
17	M51B	X	1.49	1.49	0	%100
18	M51B	Z	-2.581	-2.581	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.664	.664	0	%100
22	M76	Z	-1.15	-1.15	0	%100
23	M77	X	2.022	2.022	0	%100
24	M77	Z	-3.503	-3.503	0	%100
25	M80	X	2.111	2.111	0	%100
26	M80	Z	-3.656	-3.656	0	%100
27	M84	X	.664	.664	0	%100
28	M84	Z	-1.15	-1.15	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.53	.53	0	%100
34	M52A	Z	-.918	-.918	0	%100
35	M53	X	1.295	1.295	0	%100
36	M53	Z	-2.243	-2.243	0	%100
37	M54	X	1.295	1.295	0	%100
38	M54	Z	-2.243	-2.243	0	%100
39	M55	X	2.025	2.025	0	%100
40	M55	Z	-3.508	-3.508	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	1.49	1.49	0	%100
44	M59A	Z	-2.581	-2.581	0	%100
45	M63	X	.664	.664	0	%100
46	M63	Z	-1.15	-1.15	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.664	.664	0	%100
52	M68	Z	-1.15	-1.15	0	%100
53	M69	X	2.022	2.022	0	%100
54	M69	Z	-3.503	-3.503	0	%100
55	M71	X	2.111	2.111	0	%100
56	M71	Z	-3.656	-3.656	0	%100
57	M76A	X	2.119	2.119	0	%100
58	M76A	Z	-3.671	-3.671	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	1.49	1.49	0	%100
66	M82	Z	-2.581	-2.581	0	%100
67	M83A	X	1.49	1.49	0	%100
68	M83A	Z	-2.581	-2.581	0	%100
69	M87	X	2.656	2.656	0	%100
70	M87	Z	-4.601	-4.601	0	%100
71	M88A	X	2.022	2.022	0	%100
72	M88A	Z	-3.503	-3.503	0	%100
73	M90	X	2.111	2.111	0	%100
74	M90	Z	-3.656	-3.656	0	%100
75	M92A	X	2.656	2.656	0	%100
76	M92A	Z	-4.601	-4.601	0	%100
77	M93	X	2.022	2.022	0	%100
78	M93	Z	-3.503	-3.503	0	%100
79	M95	X	2.111	2.111	0	%100
80	M95	Z	-3.656	-3.656	0	%100
81	M82A	X	1.575	1.575	0	%100
82	M82A	Z	-2.727	-2.727	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	1.391	1.391	0	%100
86	M117	Z	-2.41	-2.41	0	%100
87	MP4A	X	1.693	1.693	0	%100
88	MP4A	Z	-2.932	-2.932	0	%100
89	MP2C	X	1.874	1.874	0	%100
90	MP2C	Z	-3.245	-3.245	0	%100
91	MP3C	X	1.693	1.693	0	%100
92	MP3C	Z	-2.932	-2.932	0	%100
93	MP1C	X	1.693	1.693	0	%100
94	MP1C	Z	-2.932	-2.932	0	%100
95	MP4C	X	1.693	1.693	0	%100
96	MP4C	Z	-2.932	-2.932	0	%100
97	MP2B	X	1.874	1.874	0	%100
98	MP2B	Z	-3.245	-3.245	0	%100
99	MP3B	X	1.693	1.693	0	%100
100	MP3B	Z	-2.932	-2.932	0	%100
101	MP1B	X	1.693	1.693	0	%100
102	MP1B	Z	-2.932	-2.932	0	%100
103	MP4B	X	1.693	1.693	0	%100
104	MP4B	Z	-2.932	-2.932	0	%100
105	M102A	X	1.405	1.405	0	%100
106	M102A	Z	-2.434	-2.434	0	%100
107	M106	X	1.405	1.405	0	%100
108	M106	Z	-2.434	-2.434	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	1.478	1.478	0	%100
112	M123	Z	-2.561	-2.561	0	%100
113	M124	X	1.478	1.478	0	%100
114	M124	Z	-2.561	-2.561	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.909	.909	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M4	X	2.753	2.753	0	%100
4	M4	Z	-1.59	-1.59	0	%100
5	M10	X	.748	.748	0	%100
6	M10	Z	-.432	-.432	0	%100
7	MP2A	X	3.245	3.245	0	%100
8	MP2A	Z	-1.874	-1.874	0	%100
9	MP3A	X	2.932	2.932	0	%100
10	MP3A	Z	-1.693	-1.693	0	%100
11	MP1A	X	2.932	2.932	0	%100
12	MP1A	Z	-1.693	-1.693	0	%100
13	M43	X	.748	.748	0	%100
14	M43	Z	-.432	-.432	0	%100
15	M46	X	1.169	1.169	0	%100
16	M46	Z	-.675	-.675	0	%100
17	M51B	X	3.442	3.442	0	%100
18	M51B	Z	-1.987	-1.987	0	%100
19	M52B	X	.86	.86	0	%100
20	M52B	Z	-.497	-.497	0	%100
21	M76	X	3.451	3.451	0	%100
22	M76	Z	-1.992	-1.992	0	%100
23	M77	X	4.671	4.671	0	%100
24	M77	Z	-2.697	-2.697	0	%100
25	M80	X	4.875	4.875	0	%100
26	M80	Z	-2.814	-2.814	0	%100
27	M84	X	3.451	3.451	0	%100
28	M84	Z	-1.992	-1.992	0	%100
29	M85	X	1.168	1.168	0	%100
30	M85	Z	-.674	-.674	0	%100
31	M91	X	1.219	1.219	0	%100
32	M91	Z	-.704	-.704	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	2.99	2.99	0	%100
36	M53	Z	-1.727	-1.727	0	%100
37	M54	X	2.99	2.99	0	%100
38	M54	Z	-1.727	-1.727	0	%100
39	M55	X	4.678	4.678	0	%100
40	M55	Z	-2.701	-2.701	0	%100
41	M58A	X	.86	.86	0	%100
42	M58A	Z	-.497	-.497	0	%100
43	M59A	X	.86	.86	0	%100
44	M59A	Z	-.497	-.497	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.168	1.168	0	%100
48	M64	Z	-.674	-.674	0	%100
49	M66	X	1.219	1.219	0	%100
50	M66	Z	-.704	-.704	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	1.168	1.168	0	%100
54	M69	Z	-.674	-.674	0	%100
55	M71	X	1.219	1.219	0	%100
56	M71	Z	-.704	-.704	0	%100
57	M76A	X	2.753	2.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	-1.59	-1.59	0	%100
59	M77A	X	.748	.748	0	%100
60	M77A	Z	-.432	-.432	0	%100
61	M78	X	.748	.748	0	%100
62	M78	Z	-.432	-.432	0	%100
63	M79A	X	1.169	1.169	0	%100
64	M79A	Z	-.675	-.675	0	%100
65	M82	X	.86	.86	0	%100
66	M82	Z	-.497	-.497	0	%100
67	M83A	X	3.442	3.442	0	%100
68	M83A	Z	-1.987	-1.987	0	%100
69	M87	X	3.451	3.451	0	%100
70	M87	Z	-1.992	-1.992	0	%100
71	M88A	X	1.168	1.168	0	%100
72	M88A	Z	-.674	-.674	0	%100
73	M90	X	1.219	1.219	0	%100
74	M90	Z	-.704	-.704	0	%100
75	M92A	X	3.451	3.451	0	%100
76	M92A	Z	-1.992	-1.992	0	%100
77	M93	X	4.671	4.671	0	%100
78	M93	Z	-2.697	-2.697	0	%100
79	M95	X	4.875	4.875	0	%100
80	M95	Z	-2.814	-2.814	0	%100
81	M82A	X	3.637	3.637	0	%100
82	M82A	Z	-2.1	-2.1	0	%100
83	M91B	X	.909	.909	0	%100
84	M91B	Z	-.525	-.525	0	%100
85	M117	X	2.41	2.41	0	%100
86	M117	Z	-1.391	-1.391	0	%100
87	MP4A	X	2.932	2.932	0	%100
88	MP4A	Z	-1.693	-1.693	0	%100
89	MP2C	X	3.245	3.245	0	%100
90	MP2C	Z	-1.874	-1.874	0	%100
91	MP3C	X	2.932	2.932	0	%100
92	MP3C	Z	-1.693	-1.693	0	%100
93	MP1C	X	2.932	2.932	0	%100
94	MP1C	Z	-1.693	-1.693	0	%100
95	MP4C	X	2.932	2.932	0	%100
96	MP4C	Z	-1.693	-1.693	0	%100
97	MP2B	X	3.245	3.245	0	%100
98	MP2B	Z	-1.874	-1.874	0	%100
99	MP3B	X	2.932	2.932	0	%100
100	MP3B	Z	-1.693	-1.693	0	%100
101	MP1B	X	2.932	2.932	0	%100
102	MP1B	Z	-1.693	-1.693	0	%100
103	MP4B	X	2.932	2.932	0	%100
104	MP4B	Z	-1.693	-1.693	0	%100
105	M102A	X	.811	.811	0	%100
106	M102A	Z	-.468	-.468	0	%100
107	M106	X	3.245	3.245	0	%100
108	M106	Z	-1.874	-1.874	0	%100
109	M107	X	.811	.811	0	%100
110	M107	Z	-.468	-.468	0	%100
111	M123	X	3.414	3.414	0	%100
112	M123	Z	-1.971	-1.971	0	%100
113	M124	X	.854	.854	0	%100
114	M124	Z	-.493	-.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	.854	.854	0	%100
116	M125	Z	-.493	-.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.239	4.239	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	3.747	3.747	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	3.385	3.385	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	3.385	3.385	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	2.981	2.981	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	2.981	2.981	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	5.313	5.313	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	4.045	4.045	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	4.221	4.221	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	5.313	5.313	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	4.045	4.045	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	4.221	4.221	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	1.06	1.06	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	2.59	2.59	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	2.59	2.59	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	4.051	4.051	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	2.981	2.981	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	1.328	1.328	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	4.045	4.045	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	4.221	4.221	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	1.328	1.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	1.06	1.06	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.59	2.59	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	2.59	2.59	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	4.051	4.051	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	2.981	2.981	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	1.328	1.328	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	1.328	1.328	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	4.045	4.045	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	4.221	4.221	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	3.149	3.149	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	3.149	3.149	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	2.783	2.783	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	3.385	3.385	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	3.747	3.747	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	3.385	3.385	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	3.385	3.385	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	3.385	3.385	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	3.747	3.747	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.385	3.385	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	3.385	3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	3.385	3.385	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	2.81	2.81	0	%100
108	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	2.81	2.81	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	2.957	2.957	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	2.957	2.957	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.909	.909	0	%100
2	M1	Z	.525	.525	0	%100
3	M4	X	2.753	2.753	0	%100
4	M4	Z	1.59	1.59	0	%100
5	M10	X	.748	.748	0	%100
6	M10	Z	.432	.432	0	%100
7	MP2A	X	3.245	3.245	0	%100
8	MP2A	Z	1.874	1.874	0	%100
9	MP3A	X	2.932	2.932	0	%100
10	MP3A	Z	1.693	1.693	0	%100
11	MP1A	X	2.932	2.932	0	%100
12	MP1A	Z	1.693	1.693	0	%100
13	M43	X	.748	.748	0	%100
14	M43	Z	.432	.432	0	%100
15	M46	X	1.169	1.169	0	%100
16	M46	Z	.675	.675	0	%100
17	M51B	X	.86	.86	0	%100
18	M51B	Z	.497	.497	0	%100
19	M52B	X	3.442	3.442	0	%100
20	M52B	Z	1.987	1.987	0	%100
21	M76	X	3.451	3.451	0	%100
22	M76	Z	1.992	1.992	0	%100
23	M77	X	1.168	1.168	0	%100
24	M77	Z	.674	.674	0	%100
25	M80	X	1.219	1.219	0	%100
26	M80	Z	.704	.704	0	%100
27	M84	X	3.451	3.451	0	%100
28	M84	Z	1.992	1.992	0	%100
29	M85	X	4.671	4.671	0	%100
30	M85	Z	2.697	2.697	0	%100
31	M91	X	4.875	4.875	0	%100
32	M91	Z	2.814	2.814	0	%100
33	M52A	X	2.753	2.753	0	%100
34	M52A	Z	1.59	1.59	0	%100
35	M53	X	.748	.748	0	%100
36	M53	Z	.432	.432	0	%100
37	M54	X	.748	.748	0	%100
38	M54	Z	.432	.432	0	%100
39	M55	X	1.169	1.169	0	%100
40	M55	Z	.675	.675	0	%100
41	M58A	X	3.442	3.442	0	%100
42	M58A	Z	1.987	1.987	0	%100
43	M59A	X	.86	.86	0	%100
44	M59A	Z	.497	.497	0	%100
45	M63	X	3.451	3.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	1.992	1.992	0	%100
47	M64	X	4.671	4.671	0	%100
48	M64	Z	2.697	2.697	0	%100
49	M66	X	4.875	4.875	0	%100
50	M66	Z	2.814	2.814	0	%100
51	M68	X	3.451	3.451	0	%100
52	M68	Z	1.992	1.992	0	%100
53	M69	X	1.168	1.168	0	%100
54	M69	Z	.674	.674	0	%100
55	M71	X	1.219	1.219	0	%100
56	M71	Z	.704	.704	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.99	2.99	0	%100
60	M77A	Z	1.727	1.727	0	%100
61	M78	X	2.99	2.99	0	%100
62	M78	Z	1.727	1.727	0	%100
63	M79A	X	4.678	4.678	0	%100
64	M79A	Z	2.701	2.701	0	%100
65	M82	X	.86	.86	0	%100
66	M82	Z	.497	.497	0	%100
67	M83A	X	.86	.86	0	%100
68	M83A	Z	.497	.497	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	1.168	1.168	0	%100
72	M88A	Z	.674	.674	0	%100
73	M90	X	1.219	1.219	0	%100
74	M90	Z	.704	.704	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	1.168	1.168	0	%100
78	M93	Z	.674	.674	0	%100
79	M95	X	1.219	1.219	0	%100
80	M95	Z	.704	.704	0	%100
81	M82A	X	.909	.909	0	%100
82	M82A	Z	.525	.525	0	%100
83	M91B	X	3.637	3.637	0	%100
84	M91B	Z	2.1	2.1	0	%100
85	M117	X	2.41	2.41	0	%100
86	M117	Z	1.391	1.391	0	%100
87	MP4A	X	2.932	2.932	0	%100
88	MP4A	Z	1.693	1.693	0	%100
89	MP2C	X	3.245	3.245	0	%100
90	MP2C	Z	1.874	1.874	0	%100
91	MP3C	X	2.932	2.932	0	%100
92	MP3C	Z	1.693	1.693	0	%100
93	MP1C	X	2.932	2.932	0	%100
94	MP1C	Z	1.693	1.693	0	%100
95	MP4C	X	2.932	2.932	0	%100
96	MP4C	Z	1.693	1.693	0	%100
97	MP2B	X	3.245	3.245	0	%100
98	MP2B	Z	1.874	1.874	0	%100
99	MP3B	X	2.932	2.932	0	%100
100	MP3B	Z	1.693	1.693	0	%100
101	MP1B	X	2.932	2.932	0	%100
102	MP1B	Z	1.693	1.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	2.932	2.932	0	%100
104	MP4B	Z	1.693	1.693	0	%100
105	M102A	X	.811	.811	0	%100
106	M102A	Z	.468	.468	0	%100
107	M106	X	.811	.811	0	%100
108	M106	Z	.468	.468	0	%100
109	M107	X	3.245	3.245	0	%100
110	M107	Z	1.874	1.874	0	%100
111	M123	X	.854	.854	0	%100
112	M123	Z	.493	.493	0	%100
113	M124	X	.854	.854	0	%100
114	M124	Z	.493	.493	0	%100
115	M125	X	3.414	3.414	0	%100
116	M125	Z	1.971	1.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.575	1.575	0	%100
2	M1	Z	2.727	2.727	0	%100
3	M4	X	.53	.53	0	%100
4	M4	Z	.918	.918	0	%100
5	M10	X	1.295	1.295	0	%100
6	M10	Z	2.243	2.243	0	%100
7	MP2A	X	1.874	1.874	0	%100
8	MP2A	Z	3.245	3.245	0	%100
9	MP3A	X	1.693	1.693	0	%100
10	MP3A	Z	2.932	2.932	0	%100
11	MP1A	X	1.693	1.693	0	%100
12	MP1A	Z	2.932	2.932	0	%100
13	M43	X	1.295	1.295	0	%100
14	M43	Z	2.243	2.243	0	%100
15	M46	X	2.025	2.025	0	%100
16	M46	Z	3.508	3.508	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	1.49	1.49	0	%100
20	M52B	Z	2.581	2.581	0	%100
21	M76	X	.664	.664	0	%100
22	M76	Z	1.15	1.15	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	.664	.664	0	%100
28	M84	Z	1.15	1.15	0	%100
29	M85	X	2.022	2.022	0	%100
30	M85	Z	3.503	3.503	0	%100
31	M91	X	2.111	2.111	0	%100
32	M91	Z	3.656	3.656	0	%100
33	M52A	X	2.119	2.119	0	%100
34	M52A	Z	3.671	3.671	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M55	Z	0	0	0	%100
41	M58A	X	1.49	1.49	0	%100
42	M58A	Z	2.581	2.581	0	%100
43	M59A	X	1.49	1.49	0	%100
44	M59A	Z	2.581	2.581	0	%100
45	M63	X	2.656	2.656	0	%100
46	M63	Z	4.601	4.601	0	%100
47	M64	X	2.022	2.022	0	%100
48	M64	Z	3.503	3.503	0	%100
49	M66	X	2.111	2.111	0	%100
50	M66	Z	3.656	3.656	0	%100
51	M68	X	2.656	2.656	0	%100
52	M68	Z	4.601	4.601	0	%100
53	M69	X	2.022	2.022	0	%100
54	M69	Z	3.503	3.503	0	%100
55	M71	X	2.111	2.111	0	%100
56	M71	Z	3.656	3.656	0	%100
57	M76A	X	.53	.53	0	%100
58	M76A	Z	.918	.918	0	%100
59	M77A	X	1.295	1.295	0	%100
60	M77A	Z	2.243	2.243	0	%100
61	M78	X	1.295	1.295	0	%100
62	M78	Z	2.243	2.243	0	%100
63	M79A	X	2.025	2.025	0	%100
64	M79A	Z	3.508	3.508	0	%100
65	M82	X	1.49	1.49	0	%100
66	M82	Z	2.581	2.581	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.664	.664	0	%100
70	M87	Z	1.15	1.15	0	%100
71	M88A	X	2.022	2.022	0	%100
72	M88A	Z	3.503	3.503	0	%100
73	M90	X	2.111	2.111	0	%100
74	M90	Z	3.656	3.656	0	%100
75	M92A	X	.664	.664	0	%100
76	M92A	Z	1.15	1.15	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	1.575	1.575	0	%100
84	M91B	Z	2.727	2.727	0	%100
85	M117	X	1.391	1.391	0	%100
86	M117	Z	2.41	2.41	0	%100
87	MP4A	X	1.693	1.693	0	%100
88	MP4A	Z	2.932	2.932	0	%100
89	MP2C	X	1.874	1.874	0	%100
90	MP2C	Z	3.245	3.245	0	%100
91	MP3C	X	1.693	1.693	0	%100
92	MP3C	Z	2.932	2.932	0	%100
93	MP1C	X	1.693	1.693	0	%100
94	MP1C	Z	2.932	2.932	0	%100
95	MP4C	X	1.693	1.693	0	%100
96	MP4C	Z	2.932	2.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP2B	X	1.874	1.874	0	%100
98	MP2B	Z	3.245	3.245	0	%100
99	MP3B	X	1.693	1.693	0	%100
100	MP3B	Z	2.932	2.932	0	%100
101	MP1B	X	1.693	1.693	0	%100
102	MP1B	Z	2.932	2.932	0	%100
103	MP4B	X	1.693	1.693	0	%100
104	MP4B	Z	2.932	2.932	0	%100
105	M102A	X	1.405	1.405	0	%100
106	M102A	Z	2.434	2.434	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	1.405	1.405	0	%100
110	M107	Z	2.434	2.434	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.478	1.478	0	%100
114	M124	Z	2.561	2.561	0	%100
115	M125	X	1.478	1.478	0	%100
116	M125	Z	2.561	2.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.199	4.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.453	3.453	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	3.747	3.747	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	3.385	3.385	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	3.385	3.385	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	3.453	3.453	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	5.401	5.401	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	.994	.994	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.994	.994	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	1.348	1.348	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	1.407	1.407	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	1.348	1.348	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	1.407	1.407	0	%100
33	M52A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	3.179	3.179	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.863	.863	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.863	.863	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	1.35	1.35	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.994	.994	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	3.974	3.974	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	3.985	3.985	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	1.348	1.348	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	1.407	1.407	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	3.985	3.985	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	5.393	5.393	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	5.629	5.629	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	3.179	3.179	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.863	.863	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	.863	.863	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	1.35	1.35	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	3.974	3.974	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	.994	.994	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	3.985	3.985	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	5.393	5.393	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	5.629	5.629	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	3.985	3.985	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	1.348	1.348	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	1.407	1.407	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	1.05	1.05	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	1.05	1.05	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	2.783	2.783	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	3.385	3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.747	3.747	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	0	0	0	%100
92	MP3C	Z	3.385	3.385	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	3.385	3.385	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	3.385	3.385	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.747	3.747	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.385	3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.385	3.385	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.385	3.385	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	3.747	3.747	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	.937	.937	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.937	.937	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.986	.986	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.942	3.942	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.986	.986	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.575	-1.575	0	%100
2	M1	Z	2.727	2.727	0	%100
3	M4	X	-.53	-.53	0	%100
4	M4	Z	.918	.918	0	%100
5	M10	X	-1.295	-1.295	0	%100
6	M10	Z	2.243	2.243	0	%100
7	MP2A	X	-1.874	-1.874	0	%100
8	MP2A	Z	3.245	3.245	0	%100
9	MP3A	X	-1.693	-1.693	0	%100
10	MP3A	Z	2.932	2.932	0	%100
11	MP1A	X	-1.693	-1.693	0	%100
12	MP1A	Z	2.932	2.932	0	%100
13	M43	X	-1.295	-1.295	0	%100
14	M43	Z	2.243	2.243	0	%100
15	M46	X	-2.025	-2.025	0	%100
16	M46	Z	3.508	3.508	0	%100
17	M51B	X	-1.49	-1.49	0	%100
18	M51B	Z	2.581	2.581	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.664	-.664	0	%100
22	M76	Z	1.15	1.15	0	%100
23	M77	X	-2.022	-2.022	0	%100
24	M77	Z	3.503	3.503	0	%100
25	M80	X	-2.111	-2.111	0	%100
26	M80	Z	3.656	3.656	0	%100
27	M84	X	-.664	-.664	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M84	Z	1.15	1.15	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.53	-.53	0	%100
34	M52A	Z	.918	.918	0	%100
35	M53	X	-1.295	-1.295	0	%100
36	M53	Z	2.243	2.243	0	%100
37	M54	X	-1.295	-1.295	0	%100
38	M54	Z	2.243	2.243	0	%100
39	M55	X	-2.025	-2.025	0	%100
40	M55	Z	3.508	3.508	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-1.49	-1.49	0	%100
44	M59A	Z	2.581	2.581	0	%100
45	M63	X	-.664	-.664	0	%100
46	M63	Z	1.15	1.15	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.664	-.664	0	%100
52	M68	Z	1.15	1.15	0	%100
53	M69	X	-2.022	-2.022	0	%100
54	M69	Z	3.503	3.503	0	%100
55	M71	X	-2.111	-2.111	0	%100
56	M71	Z	3.656	3.656	0	%100
57	M76A	X	-2.119	-2.119	0	%100
58	M76A	Z	3.671	3.671	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-1.49	-1.49	0	%100
66	M82	Z	2.581	2.581	0	%100
67	M83A	X	-1.49	-1.49	0	%100
68	M83A	Z	2.581	2.581	0	%100
69	M87	X	-2.656	-2.656	0	%100
70	M87	Z	4.601	4.601	0	%100
71	M88A	X	-2.022	-2.022	0	%100
72	M88A	Z	3.503	3.503	0	%100
73	M90	X	-2.111	-2.111	0	%100
74	M90	Z	3.656	3.656	0	%100
75	M92A	X	-2.656	-2.656	0	%100
76	M92A	Z	4.601	4.601	0	%100
77	M93	X	-2.022	-2.022	0	%100
78	M93	Z	3.503	3.503	0	%100
79	M95	X	-2.111	-2.111	0	%100
80	M95	Z	3.656	3.656	0	%100
81	M82A	X	-1.575	-1.575	0	%100
82	M82A	Z	2.727	2.727	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M117	X	-1.391	-1.391	0	%100
86	M117	Z	2.41	2.41	0	%100
87	MP4A	X	-1.693	-1.693	0	%100
88	MP4A	Z	2.932	2.932	0	%100
89	MP2C	X	-1.874	-1.874	0	%100
90	MP2C	Z	3.245	3.245	0	%100
91	MP3C	X	-1.693	-1.693	0	%100
92	MP3C	Z	2.932	2.932	0	%100
93	MP1C	X	-1.693	-1.693	0	%100
94	MP1C	Z	2.932	2.932	0	%100
95	MP4C	X	-1.693	-1.693	0	%100
96	MP4C	Z	2.932	2.932	0	%100
97	MP2B	X	-1.874	-1.874	0	%100
98	MP2B	Z	3.245	3.245	0	%100
99	MP3B	X	-1.693	-1.693	0	%100
100	MP3B	Z	2.932	2.932	0	%100
101	MP1B	X	-1.693	-1.693	0	%100
102	MP1B	Z	2.932	2.932	0	%100
103	MP4B	X	-1.693	-1.693	0	%100
104	MP4B	Z	2.932	2.932	0	%100
105	M102A	X	-1.405	-1.405	0	%100
106	M102A	Z	2.434	2.434	0	%100
107	M106	X	-1.405	-1.405	0	%100
108	M106	Z	2.434	2.434	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-1.478	-1.478	0	%100
112	M123	Z	2.561	2.561	0	%100
113	M124	X	-1.478	-1.478	0	%100
114	M124	Z	2.561	2.561	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.909	-.909	0	%100
2	M1	Z	.525	.525	0	%100
3	M4	X	-2.753	-2.753	0	%100
4	M4	Z	1.59	1.59	0	%100
5	M10	X	-.748	-.748	0	%100
6	M10	Z	.432	.432	0	%100
7	MP2A	X	-3.245	-3.245	0	%100
8	MP2A	Z	1.874	1.874	0	%100
9	MP3A	X	-2.932	-2.932	0	%100
10	MP3A	Z	1.693	1.693	0	%100
11	MP1A	X	-2.932	-2.932	0	%100
12	MP1A	Z	1.693	1.693	0	%100
13	M43	X	-.748	-.748	0	%100
14	M43	Z	.432	.432	0	%100
15	M46	X	-1.169	-1.169	0	%100
16	M46	Z	.675	.675	0	%100
17	M51B	X	-3.442	-3.442	0	%100
18	M51B	Z	1.987	1.987	0	%100
19	M52B	X	-.86	-.86	0	%100
20	M52B	Z	.497	.497	0	%100
21	M76	X	-3.451	-3.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	1.992	1.992	0	%100
23	M77	X	-4.671	-4.671	0	%100
24	M77	Z	2.697	2.697	0	%100
25	M80	X	-4.875	-4.875	0	%100
26	M80	Z	2.814	2.814	0	%100
27	M84	X	-3.451	-3.451	0	%100
28	M84	Z	1.992	1.992	0	%100
29	M85	X	-1.168	-1.168	0	%100
30	M85	Z	.674	.674	0	%100
31	M91	X	-1.219	-1.219	0	%100
32	M91	Z	.704	.704	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-2.99	-2.99	0	%100
36	M53	Z	1.727	1.727	0	%100
37	M54	X	-2.99	-2.99	0	%100
38	M54	Z	1.727	1.727	0	%100
39	M55	X	-4.678	-4.678	0	%100
40	M55	Z	2.701	2.701	0	%100
41	M58A	X	-.86	-.86	0	%100
42	M58A	Z	.497	.497	0	%100
43	M59A	X	-.86	-.86	0	%100
44	M59A	Z	.497	.497	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.168	-1.168	0	%100
48	M64	Z	.674	.674	0	%100
49	M66	X	-1.219	-1.219	0	%100
50	M66	Z	.704	.704	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-1.168	-1.168	0	%100
54	M69	Z	.674	.674	0	%100
55	M71	X	-1.219	-1.219	0	%100
56	M71	Z	.704	.704	0	%100
57	M76A	X	-2.753	-2.753	0	%100
58	M76A	Z	1.59	1.59	0	%100
59	M77A	X	-.748	-.748	0	%100
60	M77A	Z	.432	.432	0	%100
61	M78	X	-.748	-.748	0	%100
62	M78	Z	.432	.432	0	%100
63	M79A	X	-1.169	-1.169	0	%100
64	M79A	Z	.675	.675	0	%100
65	M82	X	-.86	-.86	0	%100
66	M82	Z	.497	.497	0	%100
67	M83A	X	-3.442	-3.442	0	%100
68	M83A	Z	1.987	1.987	0	%100
69	M87	X	-3.451	-3.451	0	%100
70	M87	Z	1.992	1.992	0	%100
71	M88A	X	-1.168	-1.168	0	%100
72	M88A	Z	.674	.674	0	%100
73	M90	X	-1.219	-1.219	0	%100
74	M90	Z	.704	.704	0	%100
75	M92A	X	-3.451	-3.451	0	%100
76	M92A	Z	1.992	1.992	0	%100
77	M93	X	-4.671	-4.671	0	%100
78	M93	Z	2.697	2.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	-4.875	-4.875	0	%100
80	M95	Z	2.814	2.814	0	%100
81	M82A	X	-3.637	-3.637	0	%100
82	M82A	Z	2.1	2.1	0	%100
83	M91B	X	-.909	-.909	0	%100
84	M91B	Z	.525	.525	0	%100
85	M117	X	-2.41	-2.41	0	%100
86	M117	Z	1.391	1.391	0	%100
87	MP4A	X	-2.932	-2.932	0	%100
88	MP4A	Z	1.693	1.693	0	%100
89	MP2C	X	-3.245	-3.245	0	%100
90	MP2C	Z	1.874	1.874	0	%100
91	MP3C	X	-2.932	-2.932	0	%100
92	MP3C	Z	1.693	1.693	0	%100
93	MP1C	X	-2.932	-2.932	0	%100
94	MP1C	Z	1.693	1.693	0	%100
95	MP4C	X	-2.932	-2.932	0	%100
96	MP4C	Z	1.693	1.693	0	%100
97	MP2B	X	-3.245	-3.245	0	%100
98	MP2B	Z	1.874	1.874	0	%100
99	MP3B	X	-2.932	-2.932	0	%100
100	MP3B	Z	1.693	1.693	0	%100
101	MP1B	X	-2.932	-2.932	0	%100
102	MP1B	Z	1.693	1.693	0	%100
103	MP4B	X	-2.932	-2.932	0	%100
104	MP4B	Z	1.693	1.693	0	%100
105	M102A	X	-.811	-.811	0	%100
106	M102A	Z	.468	.468	0	%100
107	M106	X	-3.245	-3.245	0	%100
108	M106	Z	1.874	1.874	0	%100
109	M107	X	-.811	-.811	0	%100
110	M107	Z	.468	.468	0	%100
111	M123	X	-3.414	-3.414	0	%100
112	M123	Z	1.971	1.971	0	%100
113	M124	X	-.854	-.854	0	%100
114	M124	Z	.493	.493	0	%100
115	M125	X	-.854	-.854	0	%100
116	M125	Z	.493	.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.239	-4.239	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-3.747	-3.747	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-3.385	-3.385	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-3.385	-3.385	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	0	0	0	%100
17	M51B	X	-2.981	-2.981	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-2.981	-2.981	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-5.313	-5.313	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-4.045	-4.045	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-4.221	-4.221	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-5.313	-5.313	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-4.045	-4.045	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-4.221	-4.221	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-1.06	-1.06	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-2.59	-2.59	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-2.59	-2.59	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-4.051	-4.051	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-2.981	-2.981	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-1.328	-1.328	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-4.045	-4.045	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-4.221	-4.221	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-1.328	-1.328	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-1.06	-1.06	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.59	-2.59	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-2.59	-2.59	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-4.051	-4.051	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-2.981	-2.981	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-1.328	-1.328	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-1.328	-1.328	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-4.045	-4.045	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-4.221	-4.221	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-3.149	-3.149	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-3.149	-3.149	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-2.783	-2.783	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-3.385	-3.385	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-3.747	-3.747	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-3.385	-3.385	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-3.385	-3.385	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-3.385	-3.385	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-3.747	-3.747	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.385	-3.385	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-3.385	-3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-3.385	-3.385	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-2.81	-2.81	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-2.81	-2.81	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-2.957	-2.957	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-2.957	-2.957	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.909	-.909	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M4	X	-2.753	-2.753	0	%100
4	M4	Z	-1.59	-1.59	0	%100
5	M10	X	-.748	-.748	0	%100
6	M10	Z	-.432	-.432	0	%100
7	MP2A	X	-3.245	-3.245	0	%100
8	MP2A	Z	-1.874	-1.874	0	%100
9	MP3A	X	-2.932	-2.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	-1.693	-1.693	0	%100
11	MP1A	X	-2.932	-2.932	0	%100
12	MP1A	Z	-1.693	-1.693	0	%100
13	M43	X	-.748	-.748	0	%100
14	M43	Z	-.432	-.432	0	%100
15	M46	X	-1.169	-1.169	0	%100
16	M46	Z	-.675	-.675	0	%100
17	M51B	X	-.86	-.86	0	%100
18	M51B	Z	-.497	-.497	0	%100
19	M52B	X	-3.442	-3.442	0	%100
20	M52B	Z	-1.987	-1.987	0	%100
21	M76	X	-3.451	-3.451	0	%100
22	M76	Z	-1.992	-1.992	0	%100
23	M77	X	-1.168	-1.168	0	%100
24	M77	Z	-.674	-.674	0	%100
25	M80	X	-1.219	-1.219	0	%100
26	M80	Z	-.704	-.704	0	%100
27	M84	X	-3.451	-3.451	0	%100
28	M84	Z	-1.992	-1.992	0	%100
29	M85	X	-4.671	-4.671	0	%100
30	M85	Z	-2.697	-2.697	0	%100
31	M91	X	-4.875	-4.875	0	%100
32	M91	Z	-2.814	-2.814	0	%100
33	M52A	X	-2.753	-2.753	0	%100
34	M52A	Z	-1.59	-1.59	0	%100
35	M53	X	-.748	-.748	0	%100
36	M53	Z	-.432	-.432	0	%100
37	M54	X	-.748	-.748	0	%100
38	M54	Z	-.432	-.432	0	%100
39	M55	X	-1.169	-1.169	0	%100
40	M55	Z	-.675	-.675	0	%100
41	M58A	X	-3.442	-3.442	0	%100
42	M58A	Z	-1.987	-1.987	0	%100
43	M59A	X	-.86	-.86	0	%100
44	M59A	Z	-.497	-.497	0	%100
45	M63	X	-3.451	-3.451	0	%100
46	M63	Z	-1.992	-1.992	0	%100
47	M64	X	-4.671	-4.671	0	%100
48	M64	Z	-2.697	-2.697	0	%100
49	M66	X	-4.875	-4.875	0	%100
50	M66	Z	-2.814	-2.814	0	%100
51	M68	X	-3.451	-3.451	0	%100
52	M68	Z	-1.992	-1.992	0	%100
53	M69	X	-1.168	-1.168	0	%100
54	M69	Z	-.674	-.674	0	%100
55	M71	X	-1.219	-1.219	0	%100
56	M71	Z	-.704	-.704	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.99	-2.99	0	%100
60	M77A	Z	-1.727	-1.727	0	%100
61	M78	X	-2.99	-2.99	0	%100
62	M78	Z	-1.727	-1.727	0	%100
63	M79A	X	-4.678	-4.678	0	%100
64	M79A	Z	-2.701	-2.701	0	%100
65	M82	X	-.86	-.86	0	%100
66	M82	Z	-.497	-.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	-.86	-.86	0	%100
68	M83A	Z	-.497	-.497	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-1.168	-1.168	0	%100
72	M88A	Z	-.674	-.674	0	%100
73	M90	X	-1.219	-1.219	0	%100
74	M90	Z	-.704	-.704	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-1.168	-1.168	0	%100
78	M93	Z	-.674	-.674	0	%100
79	M95	X	-1.219	-1.219	0	%100
80	M95	Z	-.704	-.704	0	%100
81	M82A	X	-.909	-.909	0	%100
82	M82A	Z	-.525	-.525	0	%100
83	M91B	X	-3.637	-3.637	0	%100
84	M91B	Z	-2.1	-2.1	0	%100
85	M117	X	-2.41	-2.41	0	%100
86	M117	Z	-1.391	-1.391	0	%100
87	MP4A	X	-2.932	-2.932	0	%100
88	MP4A	Z	-1.693	-1.693	0	%100
89	MP2C	X	-3.245	-3.245	0	%100
90	MP2C	Z	-1.874	-1.874	0	%100
91	MP3C	X	-2.932	-2.932	0	%100
92	MP3C	Z	-1.693	-1.693	0	%100
93	MP1C	X	-2.932	-2.932	0	%100
94	MP1C	Z	-1.693	-1.693	0	%100
95	MP4C	X	-2.932	-2.932	0	%100
96	MP4C	Z	-1.693	-1.693	0	%100
97	MP2B	X	-3.245	-3.245	0	%100
98	MP2B	Z	-1.874	-1.874	0	%100
99	MP3B	X	-2.932	-2.932	0	%100
100	MP3B	Z	-1.693	-1.693	0	%100
101	MP1B	X	-2.932	-2.932	0	%100
102	MP1B	Z	-1.693	-1.693	0	%100
103	MP4B	X	-2.932	-2.932	0	%100
104	MP4B	Z	-1.693	-1.693	0	%100
105	M102A	X	-.811	-.811	0	%100
106	M102A	Z	-.468	-.468	0	%100
107	M106	X	-.811	-.811	0	%100
108	M106	Z	-.468	-.468	0	%100
109	M107	X	-3.245	-3.245	0	%100
110	M107	Z	-1.874	-1.874	0	%100
111	M123	X	-.854	-.854	0	%100
112	M123	Z	-.493	-.493	0	%100
113	M124	X	-.854	-.854	0	%100
114	M124	Z	-.493	-.493	0	%100
115	M125	X	-3.414	-3.414	0	%100
116	M125	Z	-1.971	-1.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.575	-1.575	0	%100
2	M1	Z	-2.727	-2.727	0	%100
3	M4	X	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	-.918	-.918	0	%100
5	M10	X	-1.295	-1.295	0	%100
6	M10	Z	-2.243	-2.243	0	%100
7	MP2A	X	-1.874	-1.874	0	%100
8	MP2A	Z	-3.245	-3.245	0	%100
9	MP3A	X	-1.693	-1.693	0	%100
10	MP3A	Z	-2.932	-2.932	0	%100
11	MP1A	X	-1.693	-1.693	0	%100
12	MP1A	Z	-2.932	-2.932	0	%100
13	M43	X	-1.295	-1.295	0	%100
14	M43	Z	-2.243	-2.243	0	%100
15	M46	X	-2.025	-2.025	0	%100
16	M46	Z	-3.508	-3.508	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-1.49	-1.49	0	%100
20	M52B	Z	-2.581	-2.581	0	%100
21	M76	X	-.664	-.664	0	%100
22	M76	Z	-1.15	-1.15	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-.664	-.664	0	%100
28	M84	Z	-1.15	-1.15	0	%100
29	M85	X	-2.022	-2.022	0	%100
30	M85	Z	-3.503	-3.503	0	%100
31	M91	X	-2.111	-2.111	0	%100
32	M91	Z	-3.656	-3.656	0	%100
33	M52A	X	-2.119	-2.119	0	%100
34	M52A	Z	-3.671	-3.671	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-1.49	-1.49	0	%100
42	M58A	Z	-2.581	-2.581	0	%100
43	M59A	X	-1.49	-1.49	0	%100
44	M59A	Z	-2.581	-2.581	0	%100
45	M63	X	-2.656	-2.656	0	%100
46	M63	Z	-4.601	-4.601	0	%100
47	M64	X	-2.022	-2.022	0	%100
48	M64	Z	-3.503	-3.503	0	%100
49	M66	X	-2.111	-2.111	0	%100
50	M66	Z	-3.656	-3.656	0	%100
51	M68	X	-2.656	-2.656	0	%100
52	M68	Z	-4.601	-4.601	0	%100
53	M69	X	-2.022	-2.022	0	%100
54	M69	Z	-3.503	-3.503	0	%100
55	M71	X	-2.111	-2.111	0	%100
56	M71	Z	-3.656	-3.656	0	%100
57	M76A	X	-.53	-.53	0	%100
58	M76A	Z	-.918	-.918	0	%100
59	M77A	X	-1.295	-1.295	0	%100
60	M77A	Z	-2.243	-2.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78	X	-1.295	-1.295	0	%100
62	M78	Z	-2.243	-2.243	0	%100
63	M79A	X	-2.025	-2.025	0	%100
64	M79A	Z	-3.508	-3.508	0	%100
65	M82	X	-1.49	-1.49	0	%100
66	M82	Z	-2.581	-2.581	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.664	-.664	0	%100
70	M87	Z	-1.15	-1.15	0	%100
71	M88A	X	-2.022	-2.022	0	%100
72	M88A	Z	-3.503	-3.503	0	%100
73	M90	X	-2.111	-2.111	0	%100
74	M90	Z	-3.656	-3.656	0	%100
75	M92A	X	-.664	-.664	0	%100
76	M92A	Z	-1.15	-1.15	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-1.575	-1.575	0	%100
84	M91B	Z	-2.727	-2.727	0	%100
85	M117	X	-1.391	-1.391	0	%100
86	M117	Z	-2.41	-2.41	0	%100
87	MP4A	X	-1.693	-1.693	0	%100
88	MP4A	Z	-2.932	-2.932	0	%100
89	MP2C	X	-1.874	-1.874	0	%100
90	MP2C	Z	-3.245	-3.245	0	%100
91	MP3C	X	-1.693	-1.693	0	%100
92	MP3C	Z	-2.932	-2.932	0	%100
93	MP1C	X	-1.693	-1.693	0	%100
94	MP1C	Z	-2.932	-2.932	0	%100
95	MP4C	X	-1.693	-1.693	0	%100
96	MP4C	Z	-2.932	-2.932	0	%100
97	MP2B	X	-1.874	-1.874	0	%100
98	MP2B	Z	-3.245	-3.245	0	%100
99	MP3B	X	-1.693	-1.693	0	%100
100	MP3B	Z	-2.932	-2.932	0	%100
101	MP1B	X	-1.693	-1.693	0	%100
102	MP1B	Z	-2.932	-2.932	0	%100
103	MP4B	X	-1.693	-1.693	0	%100
104	MP4B	Z	-2.932	-2.932	0	%100
105	M102A	X	-1.405	-1.405	0	%100
106	M102A	Z	-2.434	-2.434	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-1.405	-1.405	0	%100
110	M107	Z	-2.434	-2.434	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.478	-1.478	0	%100
114	M124	Z	-2.561	-2.561	0	%100
115	M125	X	-1.478	-1.478	0	%100
116	M125	Z	-2.561	-2.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.906	-.906	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.783	-.783	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-.749	-.749	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.618	-.618	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.618	-.618	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-.783	-.783	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-1.562	-1.562	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-.217	-.217	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-.217	-.217	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-.398	-.398	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-.419	-.419	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-.398	-.398	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-.419	-.419	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-.694	-.694	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.196	-.196	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.196	-.196	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-.391	-.391	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.217	-.217	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-.868	-.868	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-1.172	-1.172	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-.398	-.398	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-.419	-.419	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-1.172	-1.172	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-1.591	-1.591	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-1.676	-1.676	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	-.694	-.694	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.196	-.196	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.196	-.196	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-.391	-.391	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-.868	-.868	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-.217	-.217	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-1.172	-1.172	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-1.591	-1.591	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-1.676	-1.676	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-1.172	-1.172	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-.398	-.398	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-.419	-.419	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-.226	-.226	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-.226	-.226	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-.506	-.506	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-.618	-.618	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.749	-.749	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.618	-.618	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.618	-.618	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-.618	-.618	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.749	-.749	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.618	-.618	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.618	-.618	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.618	-.618	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-.749	-.749	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-.187	-.187	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.187	-.187	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.24	-.24	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.962	-.962	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	0	0	0	%100
116	M125	Z	-.24	-.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.34	.34	0	%100
2	M1	Z	-.588	-.588	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	-.2	-.2	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	-.509	-.509	0	%100
7	MP2A	X	.374	.374	0	%100
8	MP2A	Z	-.648	-.648	0	%100
9	MP3A	X	.309	.309	0	%100
10	MP3A	Z	-.536	-.536	0	%100
11	MP1A	X	.309	.309	0	%100
12	MP1A	Z	-.536	-.536	0	%100
13	M43	X	.294	.294	0	%100
14	M43	Z	-.509	-.509	0	%100
15	M46	X	.586	.586	0	%100
16	M46	Z	-1.015	-1.015	0	%100
17	M51B	X	.325	.325	0	%100
18	M51B	Z	-.564	-.564	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.195	.195	0	%100
22	M76	Z	-.338	-.338	0	%100
23	M77	X	.597	.597	0	%100
24	M77	Z	-1.034	-1.034	0	%100
25	M80	X	.629	.629	0	%100
26	M80	Z	-1.089	-1.089	0	%100
27	M84	X	.195	.195	0	%100
28	M84	Z	-.338	-.338	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.116	.116	0	%100
34	M52A	Z	-.2	-.2	0	%100
35	M53	X	.294	.294	0	%100
36	M53	Z	-.509	-.509	0	%100
37	M54	X	.294	.294	0	%100
38	M54	Z	-.509	-.509	0	%100
39	M55	X	.586	.586	0	%100
40	M55	Z	-1.015	-1.015	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.325	.325	0	%100
44	M59A	Z	-.564	-.564	0	%100
45	M63	X	.195	.195	0	%100
46	M63	Z	-.338	-.338	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.195	.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	-.338	-.338	0	%100
53	M69	X	.597	.597	0	%100
54	M69	Z	-1.034	-1.034	0	%100
55	M71	X	.629	.629	0	%100
56	M71	Z	-1.089	-1.089	0	%100
57	M76A	X	.463	.463	0	%100
58	M76A	Z	-.802	-.802	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.325	.325	0	%100
66	M82	Z	-.564	-.564	0	%100
67	M83A	X	.325	.325	0	%100
68	M83A	Z	-.564	-.564	0	%100
69	M87	X	.781	.781	0	%100
70	M87	Z	-1.353	-1.353	0	%100
71	M88A	X	.597	.597	0	%100
72	M88A	Z	-1.034	-1.034	0	%100
73	M90	X	.629	.629	0	%100
74	M90	Z	-1.089	-1.089	0	%100
75	M92A	X	.781	.781	0	%100
76	M92A	Z	-1.353	-1.353	0	%100
77	M93	X	.597	.597	0	%100
78	M93	Z	-1.034	-1.034	0	%100
79	M95	X	.629	.629	0	%100
80	M95	Z	-1.089	-1.089	0	%100
81	M82A	X	.34	.34	0	%100
82	M82A	Z	-.588	-.588	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	.253	.253	0	%100
86	M117	Z	-.438	-.438	0	%100
87	MP4A	X	.309	.309	0	%100
88	MP4A	Z	-.536	-.536	0	%100
89	MP2C	X	.374	.374	0	%100
90	MP2C	Z	-.648	-.648	0	%100
91	MP3C	X	.309	.309	0	%100
92	MP3C	Z	-.536	-.536	0	%100
93	MP1C	X	.309	.309	0	%100
94	MP1C	Z	-.536	-.536	0	%100
95	MP4C	X	.309	.309	0	%100
96	MP4C	Z	-.536	-.536	0	%100
97	MP2B	X	.374	.374	0	%100
98	MP2B	Z	-.648	-.648	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP1B	X	.309	.309	0	%100
102	MP1B	Z	-.536	-.536	0	%100
103	MP4B	X	.309	.309	0	%100
104	MP4B	Z	-.536	-.536	0	%100
105	M102A	X	.281	.281	0	%100
106	M102A	Z	-.486	-.486	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	-.486	-.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	.361	.361	0	%100
112	M123	Z	-.625	-.625	0	%100
113	M124	X	.361	.361	0	%100
114	M124	Z	-.625	-.625	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.196	.196	0	%100
2	M1	Z	-.113	-.113	0	%100
3	M4	X	.601	.601	0	%100
4	M4	Z	-.347	-.347	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP2A	X	.648	.648	0	%100
8	MP2A	Z	-.374	-.374	0	%100
9	MP3A	X	.536	.536	0	%100
10	MP3A	Z	-.309	-.309	0	%100
11	MP1A	X	.536	.536	0	%100
12	MP1A	Z	-.309	-.309	0	%100
13	M43	X	.17	.17	0	%100
14	M43	Z	-.098	-.098	0	%100
15	M46	X	.338	.338	0	%100
16	M46	Z	-.195	-.195	0	%100
17	M51B	X	.751	.751	0	%100
18	M51B	Z	-.434	-.434	0	%100
19	M52B	X	.188	.188	0	%100
20	M52B	Z	-.108	-.108	0	%100
21	M76	X	1.015	1.015	0	%100
22	M76	Z	-.586	-.586	0	%100
23	M77	X	1.378	1.378	0	%100
24	M77	Z	-.796	-.796	0	%100
25	M80	X	1.452	1.452	0	%100
26	M80	Z	-.838	-.838	0	%100
27	M84	X	1.015	1.015	0	%100
28	M84	Z	-.586	-.586	0	%100
29	M85	X	.345	.345	0	%100
30	M85	Z	-.199	-.199	0	%100
31	M91	X	.363	.363	0	%100
32	M91	Z	-.21	-.21	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	.678	.678	0	%100
36	M53	Z	-.392	-.392	0	%100
37	M54	X	.678	.678	0	%100
38	M54	Z	-.392	-.392	0	%100
39	M55	X	1.353	1.353	0	%100
40	M55	Z	-.781	-.781	0	%100
41	M58A	X	.188	.188	0	%100
42	M58A	Z	-.108	-.108	0	%100
43	M59A	X	.188	.188	0	%100
44	M59A	Z	-.108	-.108	0	%100
45	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	0	0	0	%100
47	M64	X	.345	.345	0	%100
48	M64	Z	-.199	-.199	0	%100
49	M66	X	.363	.363	0	%100
50	M66	Z	-.21	-.21	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	.345	.345	0	%100
54	M69	Z	-.199	-.199	0	%100
55	M71	X	.363	.363	0	%100
56	M71	Z	-.21	-.21	0	%100
57	M76A	X	.601	.601	0	%100
58	M76A	Z	-.347	-.347	0	%100
59	M77A	X	.17	.17	0	%100
60	M77A	Z	-.098	-.098	0	%100
61	M78	X	.17	.17	0	%100
62	M78	Z	-.098	-.098	0	%100
63	M79A	X	.338	.338	0	%100
64	M79A	Z	-.195	-.195	0	%100
65	M82	X	.188	.188	0	%100
66	M82	Z	-.108	-.108	0	%100
67	M83A	X	.751	.751	0	%100
68	M83A	Z	-.434	-.434	0	%100
69	M87	X	1.015	1.015	0	%100
70	M87	Z	-.586	-.586	0	%100
71	M88A	X	.345	.345	0	%100
72	M88A	Z	-.199	-.199	0	%100
73	M90	X	.363	.363	0	%100
74	M90	Z	-.21	-.21	0	%100
75	M92A	X	1.015	1.015	0	%100
76	M92A	Z	-.586	-.586	0	%100
77	M93	X	1.378	1.378	0	%100
78	M93	Z	-.796	-.796	0	%100
79	M95	X	1.452	1.452	0	%100
80	M95	Z	-.838	-.838	0	%100
81	M82A	X	.785	.785	0	%100
82	M82A	Z	-.453	-.453	0	%100
83	M91B	X	.196	.196	0	%100
84	M91B	Z	-.113	-.113	0	%100
85	M117	X	.438	.438	0	%100
86	M117	Z	-.253	-.253	0	%100
87	MP4A	X	.536	.536	0	%100
88	MP4A	Z	-.309	-.309	0	%100
89	MP2C	X	.648	.648	0	%100
90	MP2C	Z	-.374	-.374	0	%100
91	MP3C	X	.536	.536	0	%100
92	MP3C	Z	-.309	-.309	0	%100
93	MP1C	X	.536	.536	0	%100
94	MP1C	Z	-.309	-.309	0	%100
95	MP4C	X	.536	.536	0	%100
96	MP4C	Z	-.309	-.309	0	%100
97	MP2B	X	.648	.648	0	%100
98	MP2B	Z	-.374	-.374	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP1B	X	.536	.536	0	%100
102	MP1B	Z	-.309	-.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	.536	.536	0	%100
104	MP4B	Z	-.309	-.309	0	%100
105	M102A	X	.162	.162	0	%100
106	M102A	Z	-.094	-.094	0	%100
107	M106	X	.648	.648	0	%100
108	M106	Z	-.374	-.374	0	%100
109	M107	X	.162	.162	0	%100
110	M107	Z	-.094	-.094	0	%100
111	M123	X	.833	.833	0	%100
112	M123	Z	-.481	-.481	0	%100
113	M124	X	.208	.208	0	%100
114	M124	Z	-.12	-.12	0	%100
115	M125	X	.208	.208	0	%100
116	M125	Z	-.12	-.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.926	.926	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	.749	.749	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	.618	.618	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	.618	.618	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	.651	.651	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.651	.651	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	1.562	1.562	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	1.194	1.194	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	1.257	1.257	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	1.562	1.562	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	1.194	1.194	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	1.257	1.257	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.231	.231	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	.587	.587	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	.587	.587	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	1.172	1.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M55	Z	0	0	0	%100
41	M58A	X	.651	.651	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	.391	.391	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.194	1.194	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	1.257	1.257	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.391	.391	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.231	.231	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.587	.587	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	.587	.587	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	1.172	1.172	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	.651	.651	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.391	.391	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.391	.391	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	1.194	1.194	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	1.257	1.257	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	.679	.679	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.679	.679	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	.506	.506	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	.618	.618	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	.749	.749	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	.618	.618	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	.618	.618	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	.618	.618	0	%100
96	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP2B	X	.749	.749	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.618	.618	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	.618	.618	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	.618	.618	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	.561	.561	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	.561	.561	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	.721	.721	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.721	.721	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.196	.196	0	%100
2	M1	Z	.113	.113	0	%100
3	M4	X	.601	.601	0	%100
4	M4	Z	.347	.347	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP2A	X	.648	.648	0	%100
8	MP2A	Z	.374	.374	0	%100
9	MP3A	X	.536	.536	0	%100
10	MP3A	Z	.309	.309	0	%100
11	MP1A	X	.536	.536	0	%100
12	MP1A	Z	.309	.309	0	%100
13	M43	X	.17	.17	0	%100
14	M43	Z	.098	.098	0	%100
15	M46	X	.338	.338	0	%100
16	M46	Z	.195	.195	0	%100
17	M51B	X	.188	.188	0	%100
18	M51B	Z	.108	.108	0	%100
19	M52B	X	.751	.751	0	%100
20	M52B	Z	.434	.434	0	%100
21	M76	X	1.015	1.015	0	%100
22	M76	Z	.586	.586	0	%100
23	M77	X	.345	.345	0	%100
24	M77	Z	.199	.199	0	%100
25	M80	X	.363	.363	0	%100
26	M80	Z	.21	.21	0	%100
27	M84	X	1.015	1.015	0	%100
28	M84	Z	.586	.586	0	%100
29	M85	X	1.378	1.378	0	%100
30	M85	Z	.796	.796	0	%100
31	M91	X	1.452	1.452	0	%100
32	M91	Z	.838	.838	0	%100
33	M52A	X	.601	.601	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	.347	.347	0	%100
35	M53	X	.17	.17	0	%100
36	M53	Z	.098	.098	0	%100
37	M54	X	.17	.17	0	%100
38	M54	Z	.098	.098	0	%100
39	M55	X	.338	.338	0	%100
40	M55	Z	.195	.195	0	%100
41	M58A	X	.751	.751	0	%100
42	M58A	Z	.434	.434	0	%100
43	M59A	X	.188	.188	0	%100
44	M59A	Z	.108	.108	0	%100
45	M63	X	1.015	1.015	0	%100
46	M63	Z	.586	.586	0	%100
47	M64	X	1.378	1.378	0	%100
48	M64	Z	.796	.796	0	%100
49	M66	X	1.452	1.452	0	%100
50	M66	Z	.838	.838	0	%100
51	M68	X	1.015	1.015	0	%100
52	M68	Z	.586	.586	0	%100
53	M69	X	.345	.345	0	%100
54	M69	Z	.199	.199	0	%100
55	M71	X	.363	.363	0	%100
56	M71	Z	.21	.21	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.678	.678	0	%100
60	M77A	Z	.392	.392	0	%100
61	M78	X	.678	.678	0	%100
62	M78	Z	.392	.392	0	%100
63	M79A	X	1.353	1.353	0	%100
64	M79A	Z	.781	.781	0	%100
65	M82	X	.188	.188	0	%100
66	M82	Z	.108	.108	0	%100
67	M83A	X	.188	.188	0	%100
68	M83A	Z	.108	.108	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	.345	.345	0	%100
72	M88A	Z	.199	.199	0	%100
73	M90	X	.363	.363	0	%100
74	M90	Z	.21	.21	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	.345	.345	0	%100
78	M93	Z	.199	.199	0	%100
79	M95	X	.363	.363	0	%100
80	M95	Z	.21	.21	0	%100
81	M82A	X	.196	.196	0	%100
82	M82A	Z	.113	.113	0	%100
83	M91B	X	.785	.785	0	%100
84	M91B	Z	.453	.453	0	%100
85	M117	X	.438	.438	0	%100
86	M117	Z	.253	.253	0	%100
87	MP4A	X	.536	.536	0	%100
88	MP4A	Z	.309	.309	0	%100
89	MP2C	X	.648	.648	0	%100
90	MP2C	Z	.374	.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	.536	.536	0	%100
92	MP3C	Z	.309	.309	0	%100
93	MP1C	X	.536	.536	0	%100
94	MP1C	Z	.309	.309	0	%100
95	MP4C	X	.536	.536	0	%100
96	MP4C	Z	.309	.309	0	%100
97	MP2B	X	.648	.648	0	%100
98	MP2B	Z	.374	.374	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP1B	X	.536	.536	0	%100
102	MP1B	Z	.309	.309	0	%100
103	MP4B	X	.536	.536	0	%100
104	MP4B	Z	.309	.309	0	%100
105	M102A	X	.162	.162	0	%100
106	M102A	Z	.094	.094	0	%100
107	M106	X	.162	.162	0	%100
108	M106	Z	.094	.094	0	%100
109	M107	X	.648	.648	0	%100
110	M107	Z	.374	.374	0	%100
111	M123	X	.208	.208	0	%100
112	M123	Z	.12	.12	0	%100
113	M124	X	.208	.208	0	%100
114	M124	Z	.12	.12	0	%100
115	M125	X	.833	.833	0	%100
116	M125	Z	.481	.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.34	.34	0	%100
2	M1	Z	.588	.588	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	.2	.2	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	.509	.509	0	%100
7	MP2A	X	.374	.374	0	%100
8	MP2A	Z	.648	.648	0	%100
9	MP3A	X	.309	.309	0	%100
10	MP3A	Z	.536	.536	0	%100
11	MP1A	X	.309	.309	0	%100
12	MP1A	Z	.536	.536	0	%100
13	M43	X	.294	.294	0	%100
14	M43	Z	.509	.509	0	%100
15	M46	X	.586	.586	0	%100
16	M46	Z	1.015	1.015	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.325	.325	0	%100
20	M52B	Z	.564	.564	0	%100
21	M76	X	.195	.195	0	%100
22	M76	Z	.338	.338	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	.195	.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M84	Z	.338	.338	0	%100
29	M85	X	.597	.597	0	%100
30	M85	Z	1.034	1.034	0	%100
31	M91	X	.629	.629	0	%100
32	M91	Z	1.089	1.089	0	%100
33	M52A	X	.463	.463	0	%100
34	M52A	Z	.802	.802	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	.325	.325	0	%100
42	M58A	Z	.564	.564	0	%100
43	M59A	X	.325	.325	0	%100
44	M59A	Z	.564	.564	0	%100
45	M63	X	.781	.781	0	%100
46	M63	Z	1.353	1.353	0	%100
47	M64	X	.597	.597	0	%100
48	M64	Z	1.034	1.034	0	%100
49	M66	X	.629	.629	0	%100
50	M66	Z	1.089	1.089	0	%100
51	M68	X	.781	.781	0	%100
52	M68	Z	1.353	1.353	0	%100
53	M69	X	.597	.597	0	%100
54	M69	Z	1.034	1.034	0	%100
55	M71	X	.629	.629	0	%100
56	M71	Z	1.089	1.089	0	%100
57	M76A	X	.116	.116	0	%100
58	M76A	Z	.2	.2	0	%100
59	M77A	X	.294	.294	0	%100
60	M77A	Z	.509	.509	0	%100
61	M78	X	.294	.294	0	%100
62	M78	Z	.509	.509	0	%100
63	M79A	X	.586	.586	0	%100
64	M79A	Z	1.015	1.015	0	%100
65	M82	X	.325	.325	0	%100
66	M82	Z	.564	.564	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.195	.195	0	%100
70	M87	Z	.338	.338	0	%100
71	M88A	X	.597	.597	0	%100
72	M88A	Z	1.034	1.034	0	%100
73	M90	X	.629	.629	0	%100
74	M90	Z	1.089	1.089	0	%100
75	M92A	X	.195	.195	0	%100
76	M92A	Z	.338	.338	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.34	.34	0	%100
84	M91B	Z	.588	.588	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M117	X	.253	.253	0	%100
86	M117	Z	.438	.438	0	%100
87	MP4A	X	.309	.309	0	%100
88	MP4A	Z	.536	.536	0	%100
89	MP2C	X	.374	.374	0	%100
90	MP2C	Z	.648	.648	0	%100
91	MP3C	X	.309	.309	0	%100
92	MP3C	Z	.536	.536	0	%100
93	MP1C	X	.309	.309	0	%100
94	MP1C	Z	.536	.536	0	%100
95	MP4C	X	.309	.309	0	%100
96	MP4C	Z	.536	.536	0	%100
97	MP2B	X	.374	.374	0	%100
98	MP2B	Z	.648	.648	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP1B	X	.309	.309	0	%100
102	MP1B	Z	.536	.536	0	%100
103	MP4B	X	.309	.309	0	%100
104	MP4B	Z	.536	.536	0	%100
105	M102A	X	.281	.281	0	%100
106	M102A	Z	.486	.486	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	.281	.281	0	%100
110	M107	Z	.486	.486	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.361	.361	0	%100
114	M124	Z	.625	.625	0	%100
115	M125	X	.361	.361	0	%100
116	M125	Z	.625	.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.906	.906	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.783	.783	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	.749	.749	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.618	.618	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.618	.618	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.783	.783	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	1.562	1.562	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	.217	.217	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.217	.217	0	%100
21	M76	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	.398	.398	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	.419	.419	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	.398	.398	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	.419	.419	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	.694	.694	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.196	.196	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.196	.196	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	.391	.391	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.217	.217	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	.868	.868	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	1.172	1.172	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	.398	.398	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	.419	.419	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	1.172	1.172	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	1.591	1.591	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	1.676	1.676	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	.694	.694	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.196	.196	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	.196	.196	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	.391	.391	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	.868	.868	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	.217	.217	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	1.172	1.172	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	1.591	1.591	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	1.676	1.676	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	1.172	1.172	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	.398	.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	0	0	0	%100
80	M95	Z	.419	.419	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	.226	.226	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	.226	.226	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	.506	.506	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	.618	.618	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.749	.749	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.618	.618	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.618	.618	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.618	.618	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.749	.749	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.618	.618	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.618	.618	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.618	.618	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	.749	.749	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	.187	.187	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.187	.187	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.24	.24	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.962	.962	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.24	.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.34	-.34	0	%100
2	M1	Z	.588	.588	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	.2	.2	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	.509	.509	0	%100
7	MP2A	X	-.374	-.374	0	%100
8	MP2A	Z	.648	.648	0	%100
9	MP3A	X	-.309	-.309	0	%100
10	MP3A	Z	.536	.536	0	%100
11	MP1A	X	-.309	-.309	0	%100
12	MP1A	Z	.536	.536	0	%100
13	M43	X	-.294	-.294	0	%100
14	M43	Z	.509	.509	0	%100
15	M46	X	-.586	-.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	1.015	1.015	0	%100
17	M51B	X	-.325	-.325	0	%100
18	M51B	Z	.564	.564	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.195	-.195	0	%100
22	M76	Z	.338	.338	0	%100
23	M77	X	-.597	-.597	0	%100
24	M77	Z	1.034	1.034	0	%100
25	M80	X	-.629	-.629	0	%100
26	M80	Z	1.089	1.089	0	%100
27	M84	X	-.195	-.195	0	%100
28	M84	Z	.338	.338	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.116	-.116	0	%100
34	M52A	Z	.2	.2	0	%100
35	M53	X	-.294	-.294	0	%100
36	M53	Z	.509	.509	0	%100
37	M54	X	-.294	-.294	0	%100
38	M54	Z	.509	.509	0	%100
39	M55	X	-.586	-.586	0	%100
40	M55	Z	1.015	1.015	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-.325	-.325	0	%100
44	M59A	Z	.564	.564	0	%100
45	M63	X	-.195	-.195	0	%100
46	M63	Z	.338	.338	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.195	-.195	0	%100
52	M68	Z	.338	.338	0	%100
53	M69	X	-.597	-.597	0	%100
54	M69	Z	1.034	1.034	0	%100
55	M71	X	-.629	-.629	0	%100
56	M71	Z	1.089	1.089	0	%100
57	M76A	X	-.463	-.463	0	%100
58	M76A	Z	.802	.802	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-.325	-.325	0	%100
66	M82	Z	.564	.564	0	%100
67	M83A	X	-.325	-.325	0	%100
68	M83A	Z	.564	.564	0	%100
69	M87	X	-.781	-.781	0	%100
70	M87	Z	1.353	1.353	0	%100
71	M88A	X	-.597	-.597	0	%100
72	M88A	Z	1.034	1.034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M90	X	-.629	-.629	0	%100
74	M90	Z	1.089	1.089	0	%100
75	M92A	X	-.781	-.781	0	%100
76	M92A	Z	1.353	1.353	0	%100
77	M93	X	-.597	-.597	0	%100
78	M93	Z	1.034	1.034	0	%100
79	M95	X	-.629	-.629	0	%100
80	M95	Z	1.089	1.089	0	%100
81	M82A	X	-.34	-.34	0	%100
82	M82A	Z	.588	.588	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-.253	-.253	0	%100
86	M117	Z	.438	.438	0	%100
87	MP4A	X	-.309	-.309	0	%100
88	MP4A	Z	.536	.536	0	%100
89	MP2C	X	-.374	-.374	0	%100
90	MP2C	Z	.648	.648	0	%100
91	MP3C	X	-.309	-.309	0	%100
92	MP3C	Z	.536	.536	0	%100
93	MP1C	X	-.309	-.309	0	%100
94	MP1C	Z	.536	.536	0	%100
95	MP4C	X	-.309	-.309	0	%100
96	MP4C	Z	.536	.536	0	%100
97	MP2B	X	-.374	-.374	0	%100
98	MP2B	Z	.648	.648	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP1B	X	-.309	-.309	0	%100
102	MP1B	Z	.536	.536	0	%100
103	MP4B	X	-.309	-.309	0	%100
104	MP4B	Z	.536	.536	0	%100
105	M102A	X	-.281	-.281	0	%100
106	M102A	Z	.486	.486	0	%100
107	M106	X	-.281	-.281	0	%100
108	M106	Z	.486	.486	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-.361	-.361	0	%100
112	M123	Z	.625	.625	0	%100
113	M124	X	-.361	-.361	0	%100
114	M124	Z	.625	.625	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.196	-.196	0	%100
2	M1	Z	.113	.113	0	%100
3	M4	X	-.601	-.601	0	%100
4	M4	Z	.347	.347	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP2A	X	-.648	-.648	0	%100
8	MP2A	Z	.374	.374	0	%100
9	MP3A	X	-.536	-.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	.309	.309	0	%100
11	MP1A	X	-.536	-.536	0	%100
12	MP1A	Z	.309	.309	0	%100
13	M43	X	-.17	-.17	0	%100
14	M43	Z	.098	.098	0	%100
15	M46	X	-.338	-.338	0	%100
16	M46	Z	.195	.195	0	%100
17	M51B	X	-.751	-.751	0	%100
18	M51B	Z	.434	.434	0	%100
19	M52B	X	-.188	-.188	0	%100
20	M52B	Z	.108	.108	0	%100
21	M76	X	-1.015	-1.015	0	%100
22	M76	Z	.586	.586	0	%100
23	M77	X	-1.378	-1.378	0	%100
24	M77	Z	.796	.796	0	%100
25	M80	X	-1.452	-1.452	0	%100
26	M80	Z	.838	.838	0	%100
27	M84	X	-1.015	-1.015	0	%100
28	M84	Z	.586	.586	0	%100
29	M85	X	-.345	-.345	0	%100
30	M85	Z	.199	.199	0	%100
31	M91	X	-.363	-.363	0	%100
32	M91	Z	.21	.21	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-.678	-.678	0	%100
36	M53	Z	.392	.392	0	%100
37	M54	X	-.678	-.678	0	%100
38	M54	Z	.392	.392	0	%100
39	M55	X	-1.353	-1.353	0	%100
40	M55	Z	.781	.781	0	%100
41	M58A	X	-.188	-.188	0	%100
42	M58A	Z	.108	.108	0	%100
43	M59A	X	-.188	-.188	0	%100
44	M59A	Z	.108	.108	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-.345	-.345	0	%100
48	M64	Z	.199	.199	0	%100
49	M66	X	-.363	-.363	0	%100
50	M66	Z	.21	.21	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-.345	-.345	0	%100
54	M69	Z	.199	.199	0	%100
55	M71	X	-.363	-.363	0	%100
56	M71	Z	.21	.21	0	%100
57	M76A	X	-.601	-.601	0	%100
58	M76A	Z	.347	.347	0	%100
59	M77A	X	-.17	-.17	0	%100
60	M77A	Z	.098	.098	0	%100
61	M78	X	-.17	-.17	0	%100
62	M78	Z	.098	.098	0	%100
63	M79A	X	-.338	-.338	0	%100
64	M79A	Z	.195	.195	0	%100
65	M82	X	-.188	-.188	0	%100
66	M82	Z	.108	.108	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	-.751	-.751	0	%100
68	M83A	Z	.434	.434	0	%100
69	M87	X	-1.015	-1.015	0	%100
70	M87	Z	.586	.586	0	%100
71	M88A	X	-.345	-.345	0	%100
72	M88A	Z	.199	.199	0	%100
73	M90	X	-.363	-.363	0	%100
74	M90	Z	.21	.21	0	%100
75	M92A	X	-1.015	-1.015	0	%100
76	M92A	Z	.586	.586	0	%100
77	M93	X	-1.378	-1.378	0	%100
78	M93	Z	.796	.796	0	%100
79	M95	X	-1.452	-1.452	0	%100
80	M95	Z	.838	.838	0	%100
81	M82A	X	-.785	-.785	0	%100
82	M82A	Z	.453	.453	0	%100
83	M91B	X	-.196	-.196	0	%100
84	M91B	Z	.113	.113	0	%100
85	M117	X	-.438	-.438	0	%100
86	M117	Z	.253	.253	0	%100
87	MP4A	X	-.536	-.536	0	%100
88	MP4A	Z	.309	.309	0	%100
89	MP2C	X	-.648	-.648	0	%100
90	MP2C	Z	.374	.374	0	%100
91	MP3C	X	-.536	-.536	0	%100
92	MP3C	Z	.309	.309	0	%100
93	MP1C	X	-.536	-.536	0	%100
94	MP1C	Z	.309	.309	0	%100
95	MP4C	X	-.536	-.536	0	%100
96	MP4C	Z	.309	.309	0	%100
97	MP2B	X	-.648	-.648	0	%100
98	MP2B	Z	.374	.374	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP1B	X	-.536	-.536	0	%100
102	MP1B	Z	.309	.309	0	%100
103	MP4B	X	-.536	-.536	0	%100
104	MP4B	Z	.309	.309	0	%100
105	M102A	X	-.162	-.162	0	%100
106	M102A	Z	.094	.094	0	%100
107	M106	X	-.648	-.648	0	%100
108	M106	Z	.374	.374	0	%100
109	M107	X	-.162	-.162	0	%100
110	M107	Z	.094	.094	0	%100
111	M123	X	-.833	-.833	0	%100
112	M123	Z	.481	.481	0	%100
113	M124	X	-.208	-.208	0	%100
114	M124	Z	.12	.12	0	%100
115	M125	X	-.208	-.208	0	%100
116	M125	Z	.12	.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.926	-.926	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-.749	-.749	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-.618	-.618	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-.618	-.618	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-.651	-.651	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-.651	-.651	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-1.562	-1.562	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-1.194	-1.194	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-1.257	-1.257	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-1.562	-1.562	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-1.194	-1.194	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-1.257	-1.257	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.231	-.231	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-.587	-.587	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-.587	-.587	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-1.172	-1.172	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.651	-.651	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-.391	-.391	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.194	-1.194	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-1.257	-1.257	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.391	-.391	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-.231	-.231	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-.587	-.587	0	%100
60	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78	X	-.587	-.587	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-1.172	-1.172	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-.651	-.651	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.391	-.391	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-.391	-.391	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-1.194	-1.194	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-1.257	-1.257	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-.679	-.679	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-.679	-.679	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-.506	-.506	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-.618	-.618	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-.749	-.749	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-.618	-.618	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-.618	-.618	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-.618	-.618	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-.749	-.749	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.618	-.618	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-.618	-.618	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-.618	-.618	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-.561	-.561	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-.561	-.561	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-.721	-.721	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.721	-.721	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.196	-.196	0	%100
2	M1	Z	-.113	-.113	0	%100
3	M4	X	-.601	-.601	0	%100
4	M4	Z	-.347	-.347	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP2A	X	-.648	-.648	0	%100
8	MP2A	Z	-.374	-.374	0	%100
9	MP3A	X	-.536	-.536	0	%100
10	MP3A	Z	-.309	-.309	0	%100
11	MP1A	X	-.536	-.536	0	%100
12	MP1A	Z	-.309	-.309	0	%100
13	M43	X	-.17	-.17	0	%100
14	M43	Z	-.098	-.098	0	%100
15	M46	X	-.338	-.338	0	%100
16	M46	Z	-.195	-.195	0	%100
17	M51B	X	-.188	-.188	0	%100
18	M51B	Z	-.108	-.108	0	%100
19	M52B	X	-.751	-.751	0	%100
20	M52B	Z	-.434	-.434	0	%100
21	M76	X	-1.015	-1.015	0	%100
22	M76	Z	-.586	-.586	0	%100
23	M77	X	-.345	-.345	0	%100
24	M77	Z	-.199	-.199	0	%100
25	M80	X	-.363	-.363	0	%100
26	M80	Z	-.21	-.21	0	%100
27	M84	X	-1.015	-1.015	0	%100
28	M84	Z	-.586	-.586	0	%100
29	M85	X	-1.378	-1.378	0	%100
30	M85	Z	-.796	-.796	0	%100
31	M91	X	-1.452	-1.452	0	%100
32	M91	Z	-.838	-.838	0	%100
33	M52A	X	-.601	-.601	0	%100
34	M52A	Z	-.347	-.347	0	%100
35	M53	X	-.17	-.17	0	%100
36	M53	Z	-.098	-.098	0	%100
37	M54	X	-.17	-.17	0	%100
38	M54	Z	-.098	-.098	0	%100
39	M55	X	-.338	-.338	0	%100
40	M55	Z	-.195	-.195	0	%100
41	M58A	X	-.751	-.751	0	%100
42	M58A	Z	-.434	-.434	0	%100
43	M59A	X	-.188	-.188	0	%100
44	M59A	Z	-.108	-.108	0	%100
45	M63	X	-1.015	-1.015	0	%100
46	M63	Z	-.586	-.586	0	%100
47	M64	X	-1.378	-1.378	0	%100
48	M64	Z	-.796	-.796	0	%100
49	M66	X	-1.452	-1.452	0	%100
50	M66	Z	-.838	-.838	0	%100
51	M68	X	-1.015	-1.015	0	%100
52	M68	Z	-.586	-.586	0	%100
53	M69	X	-.345	-.345	0	%100
54	M69	Z	-.199	-.199	0	%100
55	M71	X	-.363	-.363	0	%100
56	M71	Z	-.21	-.21	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	0	0	0	%100
59	M77A	X	-.678	-.678	0	%100
60	M77A	Z	-.392	-.392	0	%100
61	M78	X	-.678	-.678	0	%100
62	M78	Z	-.392	-.392	0	%100
63	M79A	X	-1.353	-1.353	0	%100
64	M79A	Z	-.781	-.781	0	%100
65	M82	X	-.188	-.188	0	%100
66	M82	Z	-.108	-.108	0	%100
67	M83A	X	-.188	-.188	0	%100
68	M83A	Z	-.108	-.108	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-.345	-.345	0	%100
72	M88A	Z	-.199	-.199	0	%100
73	M90	X	-.363	-.363	0	%100
74	M90	Z	-.21	-.21	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-.345	-.345	0	%100
78	M93	Z	-.199	-.199	0	%100
79	M95	X	-.363	-.363	0	%100
80	M95	Z	-.21	-.21	0	%100
81	M82A	X	-.196	-.196	0	%100
82	M82A	Z	-.113	-.113	0	%100
83	M91B	X	-.785	-.785	0	%100
84	M91B	Z	-.453	-.453	0	%100
85	M117	X	-.438	-.438	0	%100
86	M117	Z	-.253	-.253	0	%100
87	MP4A	X	-.536	-.536	0	%100
88	MP4A	Z	-.309	-.309	0	%100
89	MP2C	X	-.648	-.648	0	%100
90	MP2C	Z	-.374	-.374	0	%100
91	MP3C	X	-.536	-.536	0	%100
92	MP3C	Z	-.309	-.309	0	%100
93	MP1C	X	-.536	-.536	0	%100
94	MP1C	Z	-.309	-.309	0	%100
95	MP4C	X	-.536	-.536	0	%100
96	MP4C	Z	-.309	-.309	0	%100
97	MP2B	X	-.648	-.648	0	%100
98	MP2B	Z	-.374	-.374	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP1B	X	-.536	-.536	0	%100
102	MP1B	Z	-.309	-.309	0	%100
103	MP4B	X	-.536	-.536	0	%100
104	MP4B	Z	-.309	-.309	0	%100
105	M102A	X	-.162	-.162	0	%100
106	M102A	Z	-.094	-.094	0	%100
107	M106	X	-.162	-.162	0	%100
108	M106	Z	-.094	-.094	0	%100
109	M107	X	-.648	-.648	0	%100
110	M107	Z	-.374	-.374	0	%100
111	M123	X	-.208	-.208	0	%100
112	M123	Z	-.12	-.12	0	%100
113	M124	X	-.208	-.208	0	%100
114	M124	Z	-.12	-.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	-.833	-.833	0	%100
116	M125	Z	-.481	-.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.34	-.34	0	%100
2	M1	Z	-.588	-.588	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	-.2	-.2	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	-.509	-.509	0	%100
7	MP2A	X	-.374	-.374	0	%100
8	MP2A	Z	-.648	-.648	0	%100
9	MP3A	X	-.309	-.309	0	%100
10	MP3A	Z	-.536	-.536	0	%100
11	MP1A	X	-.309	-.309	0	%100
12	MP1A	Z	-.536	-.536	0	%100
13	M43	X	-.294	-.294	0	%100
14	M43	Z	-.509	-.509	0	%100
15	M46	X	-.586	-.586	0	%100
16	M46	Z	-1.015	-1.015	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-.325	-.325	0	%100
20	M52B	Z	-.564	-.564	0	%100
21	M76	X	-.195	-.195	0	%100
22	M76	Z	-.338	-.338	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-.195	-.195	0	%100
28	M84	Z	-.338	-.338	0	%100
29	M85	X	-.597	-.597	0	%100
30	M85	Z	-1.034	-1.034	0	%100
31	M91	X	-.629	-.629	0	%100
32	M91	Z	-1.089	-1.089	0	%100
33	M52A	X	-.463	-.463	0	%100
34	M52A	Z	-.802	-.802	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.325	-.325	0	%100
42	M58A	Z	-.564	-.564	0	%100
43	M59A	X	-.325	-.325	0	%100
44	M59A	Z	-.564	-.564	0	%100
45	M63	X	-.781	-.781	0	%100
46	M63	Z	-1.353	-1.353	0	%100
47	M64	X	-.597	-.597	0	%100
48	M64	Z	-1.034	-1.034	0	%100
49	M66	X	-.629	-.629	0	%100
50	M66	Z	-1.089	-1.089	0	%100
51	M68	X	-.781	-.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	-1.353	-1.353	0	%100
53	M69	X	-.597	-.597	0	%100
54	M69	Z	-1.034	-1.034	0	%100
55	M71	X	-.629	-.629	0	%100
56	M71	Z	-1.089	-1.089	0	%100
57	M76A	X	-.116	-.116	0	%100
58	M76A	Z	-.2	-.2	0	%100
59	M77A	X	-.294	-.294	0	%100
60	M77A	Z	-.509	-.509	0	%100
61	M78	X	-.294	-.294	0	%100
62	M78	Z	-.509	-.509	0	%100
63	M79A	X	-.586	-.586	0	%100
64	M79A	Z	-1.015	-1.015	0	%100
65	M82	X	-.325	-.325	0	%100
66	M82	Z	-.564	-.564	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.195	-.195	0	%100
70	M87	Z	-.338	-.338	0	%100
71	M88A	X	-.597	-.597	0	%100
72	M88A	Z	-1.034	-1.034	0	%100
73	M90	X	-.629	-.629	0	%100
74	M90	Z	-1.089	-1.089	0	%100
75	M92A	X	-.195	-.195	0	%100
76	M92A	Z	-.338	-.338	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-.34	-.34	0	%100
84	M91B	Z	-.588	-.588	0	%100
85	M117	X	-.253	-.253	0	%100
86	M117	Z	-.438	-.438	0	%100
87	MP4A	X	-.309	-.309	0	%100
88	MP4A	Z	-.536	-.536	0	%100
89	MP2C	X	-.374	-.374	0	%100
90	MP2C	Z	-.648	-.648	0	%100
91	MP3C	X	-.309	-.309	0	%100
92	MP3C	Z	-.536	-.536	0	%100
93	MP1C	X	-.309	-.309	0	%100
94	MP1C	Z	-.536	-.536	0	%100
95	MP4C	X	-.309	-.309	0	%100
96	MP4C	Z	-.536	-.536	0	%100
97	MP2B	X	-.374	-.374	0	%100
98	MP2B	Z	-.648	-.648	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP1B	X	-.309	-.309	0	%100
102	MP1B	Z	-.536	-.536	0	%100
103	MP4B	X	-.309	-.309	0	%100
104	MP4B	Z	-.536	-.536	0	%100
105	M102A	X	-.281	-.281	0	%100
106	M102A	Z	-.486	-.486	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	-.281	-.281	0	%100
110	M107	Z	-.486	-.486	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.361	-.361	0	%100
114	M124	Z	-.625	-.625	0	%100
115	M125	X	-.361	-.361	0	%100
116	M125	Z	-.625	-.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	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	M82	Y	-1.812	-4.256	0	.832
12	M82	Y	-4.256	-6.773	.832	1.665
13	M82	Y	-6.773	-7.943	1.665	2.497
14	M82	Y	-7.943	-6.32	2.497	3.329
15	M82	Y	-6.32	-3.329	3.329	4.162
16	M83A	Y	-3.33	-6.293	0	.832
17	M83A	Y	-6.293	-7.874	.832	1.665
18	M83A	Y	-7.874	-6.636	1.665	2.497
19	M83A	Y	-6.636	-4.066	2.497	3.329
20	M83A	Y	-4.066	-1.597	3.329	4.162
21	M51B	Y	-1.808	-4.259	0	.832
22	M51B	Y	-4.259	-6.771	.832	1.665
23	M51B	Y	-6.771	-7.938	1.665	2.497
24	M51B	Y	-7.938	-6.325	2.497	3.329
25	M51B	Y	-6.325	-3.336	3.329	4.162
26	M52B	Y	-3.33	-6.292	0	.832
27	M52B	Y	-6.292	-7.874	.832	1.665
28	M52B	Y	-7.874	-6.635	1.665	2.497
29	M52B	Y	-6.635	-4.064	2.497	3.329
30	M52B	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/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.195	-8.131	0	.832
2	M58A	Y	-8.131	-13.273	.832	1.665
3	M58A	Y	-13.273	-15.747	1.665	2.497
4	M58A	Y	-15.747	-12.586	2.497	3.329
5	M58A	Y	-12.586	-6.66	3.329	4.162
6	M59A	Y	-6.657	-12.641	0	.832
7	M59A	Y	-12.641	-15.885	.832	1.665
8	M59A	Y	-15.885	-13.547	1.665	2.497
9	M59A	Y	-13.547	-8.512	2.497	3.329
10	M59A	Y	-8.512	-3.624	3.329	4.162
11	M82	Y	-3.624	-8.512	0	.832
12	M82	Y	-8.512	-13.547	.832	1.665

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M82	Y	-13.547	-15.885	1.665	2.497
14	M82	Y	-15.885	-12.641	2.497	3.329
15	M82	Y	-12.641	-6.657	3.329	4.162
16	M83A	Y	-6.66	-12.586	0	.832
17	M83A	Y	-12.586	-15.747	.832	1.665
18	M83A	Y	-15.747	-13.273	1.665	2.497
19	M83A	Y	-13.273	-8.131	2.497	3.329
20	M83A	Y	-8.131	-3.195	3.329	4.162
21	M51B	Y	-3.617	-8.518	0	.832
22	M51B	Y	-8.518	-13.541	.832	1.665
23	M51B	Y	-13.541	-15.876	1.665	2.497
24	M51B	Y	-15.876	-12.649	2.497	3.329
25	M51B	Y	-12.649	-6.672	3.329	4.162
26	M52B	Y	-6.659	-12.584	0	.832
27	M52B	Y	-12.584	-15.749	.832	1.665
28	M52B	Y	-15.749	-13.271	1.665	2.497
29	M52B	Y	-13.271	-8.127	2.497	3.329
30	M52B	Y	-8.127	-3.202	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	N139	N141	N118	N117	Y	Two Way	-.005
3	N87B	N87C	N6	N7	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	-.01
2	N139	N141	N118	N117	Y	Two Way	-.01
3	N87B	N87C	N6	N7	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	923.736	10	2331.602	13	2539.077	1	4.962	13	1.586	4	.342	4
2		min	-930.053	4	403.555	7	-2664.478	7	-.22	7	-1.591	10	-.19	10
3	N87D	max	2275.694	9	2356.002	21	1199.318	3	.206	2	1.443	12	.095	3
4		min	-2381.425	3	411.577	3	-1130.705	9	-2.385	20	-1.448	6	-4.42	21
5	N115	max	2171.122	11	2470.827	17	1670.691	1	-.098	12	1.726	8	4.309	17
6		min	-2059.933	5	508.675	11	-1617.408	7	-2.875	30	-1.726	2	-.096	11
7	Totals:	max	5095.666	10	6696.142	15	5219.671	1						
8		min	-5095.672	4	2283.49	74	-5219.669	7						

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

	Member	Shape	Code Che...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	PIPE_3.0	.147	7.552	8	.062	4.818		8	28250....	65205	5.749	5.749	2...	H1-1b
2	M4	HSS4X4X4	.311	0	13	.076	0	y	15	124657...	139518	16.181	16.181	3...	H1-1b
3	M10	HSS4X4X4	.163	2.375	14	.060	2.375	y	14	136263...	139518	16.181	16.181	1...	H1-1b
4	MP2A	PIPE_2.5	.300	4.188	9	.104	1.188		6	37773....	50715	3.596	3.596	2...	H1-1b
5	MP3A	PIPE_2.0	.347	4.188	5	.113	4.188		2	20866....	32130	1.872	1.872	2...	H1-1b
6	MP1A	PIPE_2.0	.247	4.188	9	.108	1.188		6	20866....	32130	1.872	1.872	2...	H1-1b
7	M43	HSS4X4X4	.164	0	24	.054	0	y	24	136263...	139518	16.181	16.181	1...	H1-1b
8	M46	PL1/2x6	.217	.516	12	.142	.516	y	10	66009....	97200	1.012	12.15	1...	H1-1b

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

	Member	Shape	Code Che...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
9	M51B	L2x2x3	.179	4.162	2	.011	4.162	y	17	9823.1...	23392.8	.558	1.092	1...	H2-1
10	M52B	L2x2x3	.149	4.162	12	.014	4.162	y	21	9823.1...	23392.8	.558	1.094	1...	H2-1
11	M76	PL3/8x6	.170	.219	1	.176	0	y	18	70647....	72900	.57	9.113	1...	H1-1b
12	M77	PL3/8x6	.374	.167	8	.453	0	y	14	71583....	72900	.57	9.113	1...	H1-1b
13	M80	PL1/2x6	.085	.112	7	.126	0	y	11	96757....	97200	1.012	12.15	1...	H1-1b
14	M84	PL3/8x6	.226	0	12	.283	0	y	20	70647....	72900	.57	9.113	1...	H1-1b
15	M85	PL3/8x6	.319	.167	7	.451	0	y	24	71583....	72900	.57	9.113	1...	H1-1b
16	M91	PL1/2x6	.092	.112	1	.128	.112	y	9	96757....	97200	1.012	12.15	1...	H1-1b
17	M52A	HSS4X4X4	.312	0	21	.075	0	y	23	124657...	139518	16.181	16.181	3...	H1-1b
18	M53	HSS4X4X4	.163	2.375	22	.060	2.375	y	22	136263...	139518	16.181	16.181	1...	H1-1b
19	M54	HSS4X4X4	.167	0	20	.055	0	y	20	136263...	139518	16.181	16.181	1...	H1-1b
20	M55	PL1/2x6	.224	.516	8	.149	.516	y	6	66009....	97200	1.012	12.15	1...	H1-1b
21	M58A	L2x2x3	.170	4.162	10	.011	4.162	y	13	9823.1...	23392.8	.558	1.094	1...	H2-1
22	M59A	L2x2x3	.150	4.162	8	.014	4.162	y	17	9823.1...	23392.8	.558	1.092	1...	H2-1
23	M63	PL3/8x6	.172	.219	9	.178	0	y	13	70647....	72900	.57	9.113	1...	H1-1b
24	M64	PL3/8x6	.355	.167	4	.455	0	y	22	71583....	72900	.57	9.113	1...	H1-1b
25	M66	PL1/2x6	.081	.112	9	.139	0	y	7	96757....	97200	1.012	12.15	1...	H1-1b
26	M68	PL3/8x6	.235	0	8	.286	0	y	16	70647....	72900	.57	9.113	1...	H1-1b
27	M69	PL3/8x6	.317	.167	2	.459	0	y	20	71583....	72900	.57	9.113	1...	H1-1b
28	M71	PL1/2x6	.091	.112	9	.131	.112	y	5	96757....	97200	1.012	12.15	1...	H1-1b
29	M76A	HSS4X4X4	.320	0	19	.099	0	y	43	124657...	139518	16.181	16.181	3...	H1-1b
30	M77A	HSS4X4X4	.161	2.375	18	.060	2.375	y	18	136263...	139518	16.181	16.181	1...	H1-1b
31	M78	HSS4X4X4	.166	0	16	.054	0	y	16	136263...	139518	16.181	16.181	1...	H1-1b
32	M79A	PL1/2x6	.219	.516	4	.169	.516	y	26	66009....	97200	1.012	12.15	1...	H1-1b
33	M82	L2x2x3	.158	4.162	6	.011	4.162	y	21	9823.1...	23392.8	.558	1.092	1...	H2-1
34	M83A	L2x2x3	.147	4.162	4	.014	4.162	y	13	9823.1...	23392.8	.558	1.094	1...	H2-1
35	M87	PL3/8x6	.172	0	8	.177	0	y	21	70647....	72900	.57	9.113	1...	H1-1b
36	M88A	PL3/8x6	.321	.167	12	.453	0	y	19	71583....	72900	.57	9.113	1...	H1-1b
37	M90	PL1/2x6	.077	.112	11	.183	0	y	27	96757....	97200	1.012	12.15	1...	H1-1b
38	M92A	PL3/8x6	.230	0	4	.287	0	y	24	70647....	72900	.57	9.113	1...	H1-1b
39	M93	PL3/8x6	.307	.167	10	.456	0	y	16	71583....	72900	.57	9.113	1...	H1-1b
40	M95	PL1/2x6	.085	.112	5	.136	.112	y	1	96757....	97200	1.012	12.15	1...	H1-1b
41	M82A	PIPE_3.0	.144	7.552	16	.068	4.818		2	28250....	65205	5.749	5.749	2...	H1-1b
42	M91B	PIPE_3.0	.150	7.552	1	.059	4.818		12	28250....	65205	5.749	5.749	2...	H1-1b
43	M117	PIPE_2.0	.056	1.5	7	.042	1.5		5	28843....	32130	1.872	1.872	1...	H1-1b
44	MP4A	PIPE_2.0	.278	4.188	5	.104	1.188		7	20866....	32130	1.872	1.872	2...	H1-1b
45	MP2C	PIPE_2.5	.321	3.688	6	.108	3.688		2	37773....	50715	3.596	3.596	2...	H1-1b
46	MP3C	PIPE_2.0	.375	3.688	1	.090	3.688		3	20866....	32130	1.872	1.872	2...	H1-1b
47	MP1C	PIPE_2.0	.234	3.688	6	.090	.688		2	20866....	32130	1.872	1.872	2...	H1-1b
48	MP4C	PIPE_2.0	.293	3.688	1	.095	1.938		2	20866....	32130	1.872	1.872	2...	H1-1b
49	MP2B	PIPE_2.5	.334	3.688	2	.095	.688		11	37773....	50715	3.596	3.596	1...	H1-1b
50	MP3B	PIPE_2.0	.355	3.688	9	.088	3.688		11	20866....	32130	1.872	1.872	2...	H1-1b
51	MP1B	PIPE_2.0	.248	3.688	1	.083	3.688		12	20866....	32130	1.872	1.872	1...	H1-1b
52	MP4B	PIPE_2.0	.282	3.688	9	.084	3.688		10	20866....	32130	1.872	1.872	2...	H1-1b
53	M102A	PIPE_2.5	.197	3.906	8	.085	2.214		7	14558....	50715	3.596	3.596	2...	H1-1b
54	M106	PIPE_2.5	.165	3.906	4	.077	2.344		2	14558....	50715	3.596	3.596	2...	H1-1b
55	M107	PIPE_2.5	.175	3.906	12	.065	2.344		10	14558....	50715	3.596	3.596	2...	H1-1b
56	M123	L3X3X4	.283	2.332	7	.030	.073	y	6	41360....	46656	1.688	3.756	2...	H2-1
57	M124	L3X3X4	.257	0	3	.027	0	y	9	41360....	46656	1.688	3.756	2...	H2-1
58	M125	L3X3X4	.329	0	7	.033	0	y	1	41360....	46656	1.688	3.756	2...	H2-1

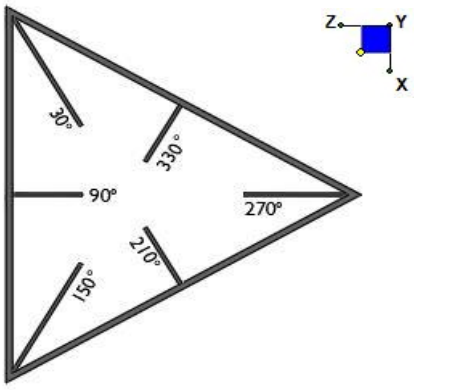
Client:	VERIZON WIRELESS	Date:	12/16/2021
Site Name:	NEWTOWN SE CT		
Project No.	21777745A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

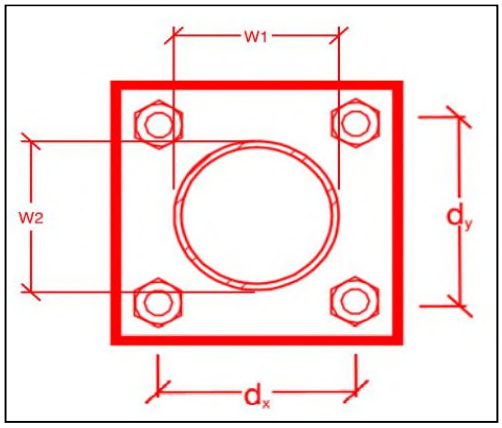
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N115	150
N3	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	7
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	20.0
Required Shear Strength (kips):	7.0
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**24.1%***
Shear Capacity Overall:	**14.1%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.91
Plate Bending Capacity:	**43.9%**
Weld Capacity:	**52.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	13.3
$Phi*Mn_{xx}$ *(kip-in)*:	31.6
Mu_{yy} *(kip-in)*:	0.6
$Phi*Mn_{yy}$ *(kip-in)*:	31.6

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Site Information	Site ID:	467769-VZW / NEWTOWN SE CT
	Site Name:	NEWTOWN SE CT
	Carrier Name:	Verizon Wireless
	Address:	151 Berkshire Road Newtown, Connecticut 06470 Fairfield County
	Latitude:	41.397500°
	Longitude:	-73.235833°
Structure Information	Tower Type:	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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: CT13057

CARRIER SITE NAME: NEWTOWN SE CT
CARRIER SITE NUMBER: 467769
FUZE ID: 15625771

151 BERKSHIRE ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY

LATITUDE: 41.397500° N
LONGITUDE: 73.235833° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 607.44'

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 = .206
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 #: 10107268
VZW LOCATION CODE (PSLC): 467769
ANALYSIS DATE: 12/17/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE:	JOB NUMBER:
AS SHOWN	21777745A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	12/17/2021	ISSUED FOR CONSTRUCTION	FAC	DH
0	10/11/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.12.17 15:39:46-04'00'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
NEWTOWN SE CT
467769
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY

MADISON
135 New Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN 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	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	504	504
1		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	34
1		VZWSMART-P40-238X048	48" LONG, PIPE 2 SCH40 (2.375"OD x 0.154" THK)		11	11
3		VZWSMART-P40-278X072	72" LONG, PIPE 2.5 SCH40 (2.375"OD x 0.154" THK)		35	105

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	SITE PRO 1	SP219-H	PIPE MOUNT ASSEMBLY	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.	13	39
					TOTAL:	699

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.

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

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MASER CONSULTING C.T. C.O.A. #: PC.0000131
www.colliersengineering.com

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SCALE: AS SHOWN
JOB NUMBER: 21777745A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	12/17/2021	ISSUED FOR CONSTRUCTION	FAC	DH
0	10/11/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT · DEREK R. HARTZELL · 32710 · LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.12.17 15:39:51-04'00'

SITE NAME:
NEWTOWN SE CT
467769
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY

MADISON
135 New Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN 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

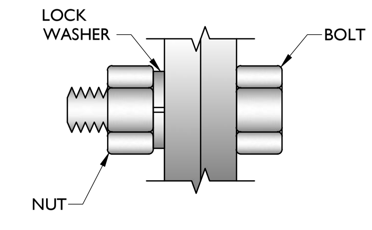
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING 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

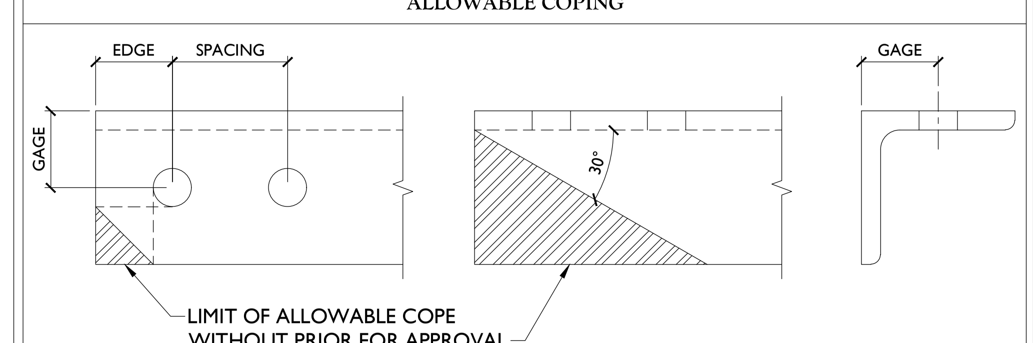


TYP. BOLT ASSEMBLY

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.

ALLOWABLE COPING



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-	-	-	-	-
1	12/17/2021	ISSUED FOR CONSTRUCTION	FAC	DH
0	10/11/2021	ISSUED FOR CONSTRUCTION	FAC	PMA

STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER

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SITE NAME:
NEWTOWN SE CT
467769
151 BERKSHIRE ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY

MADISON
135 New Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN CT, P.C.
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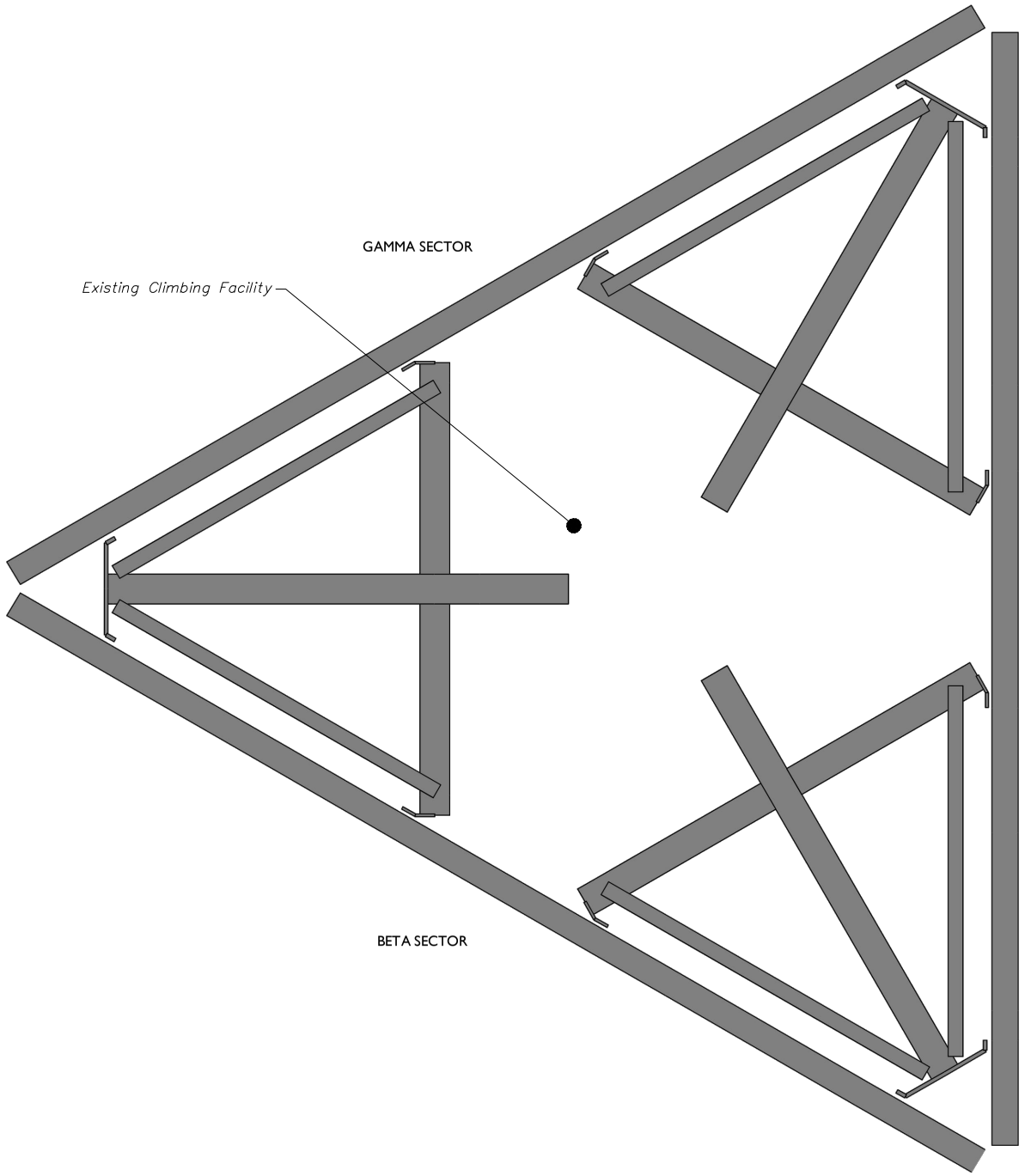
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



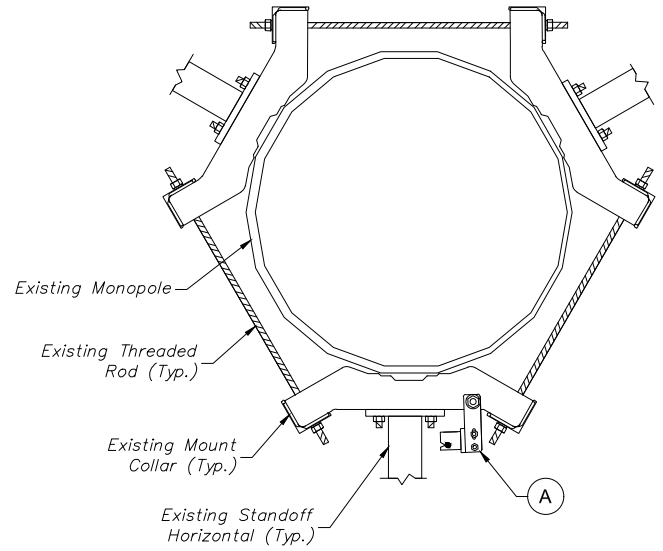
1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS ON 4/16/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (136'-6") ARE NOT IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

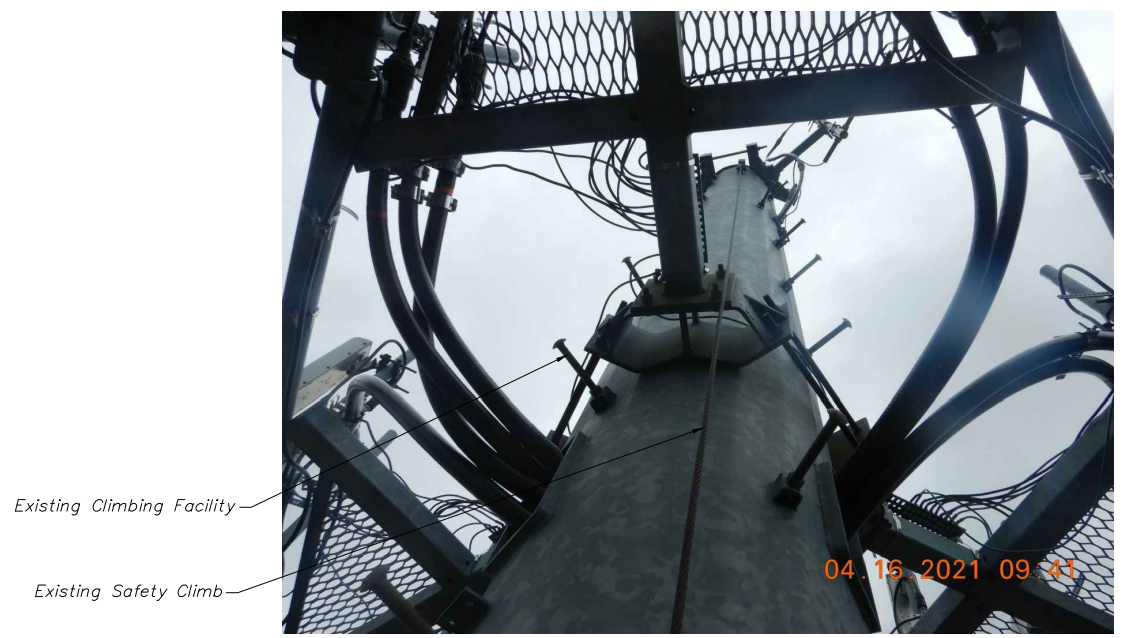
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND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



ITEM #	QTY	PART NUMBER	DESCRIPTIONS
A	1	H42-0501-06	WIRE ROPE GUIDE (PERFECT VISION OR EQUIV)

2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.



CLIMBING FACILITY PHOTO

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FAIRFIELD COUNTY

MADISON
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Madison, CT 06443
Phone: 860.395.0055
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

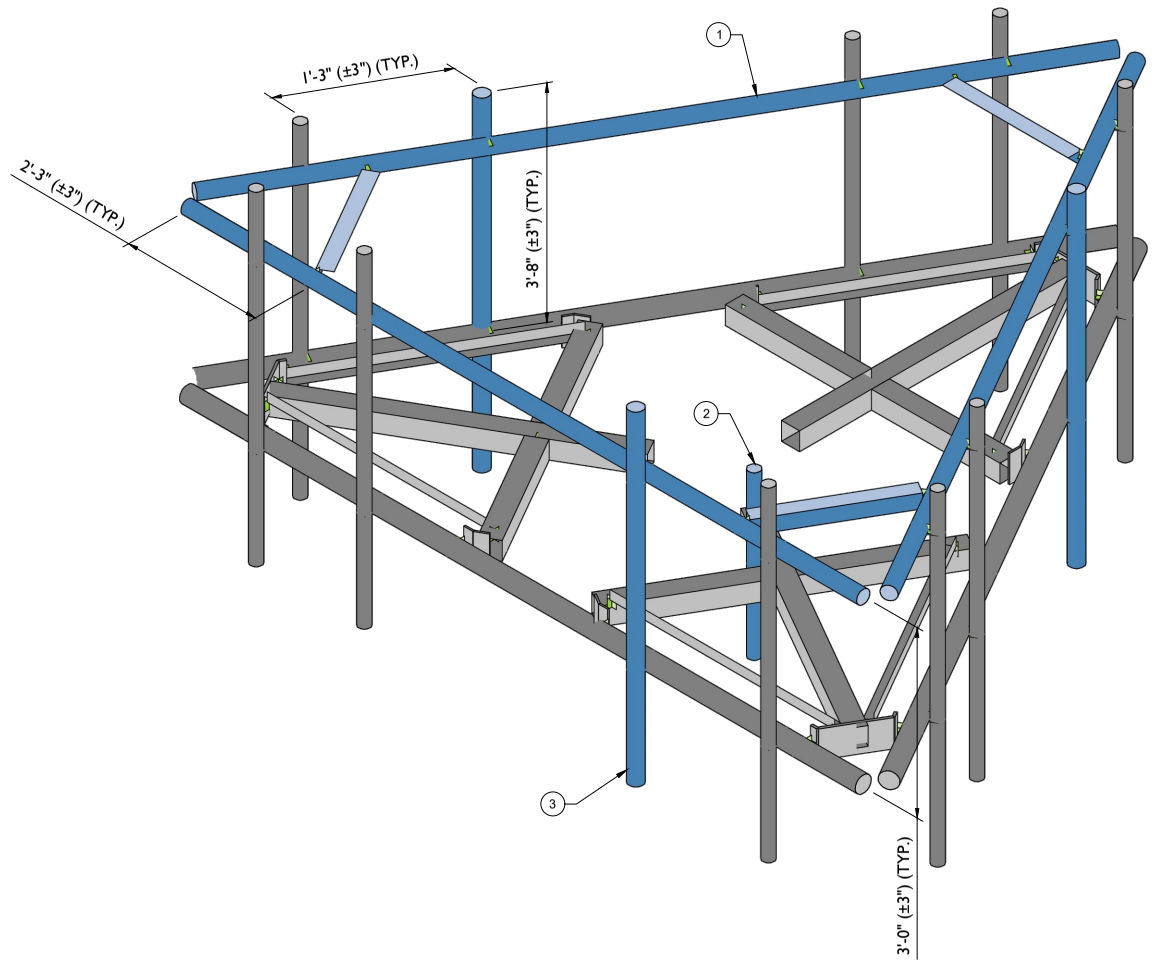
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	136'-6"	1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
2		1	48" LONG, PIPE 2 SCH40 (2.375"OD x 0.154" THK)	CONTRACTOR TO TRIM MOUNT PIPE TO 36" IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH BACK TO BACK CROSSOVER PLATE (PART #: VZWSMART-MSK6).
3		3	72" LONG, PIPE 2.5 SCH40 (2.375"OD x 0.154" THK)	CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH PIPE MOUNT ASSEMBLY (PART #: SITE PRO 1 - SP219-H, OR EOR APPROVED EQUAL.)

NOTES.

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

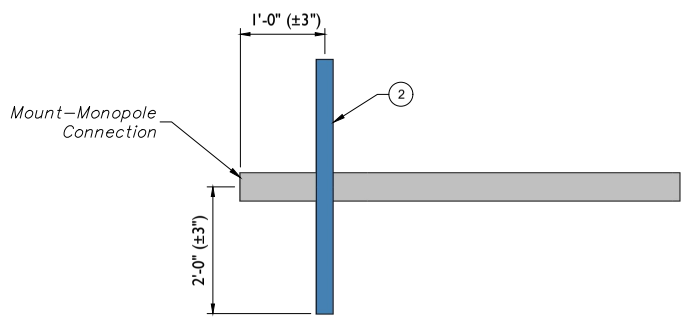
CONTRACTOR TO INSPECT SAFETY CLIMB WIRE ROPE/ALL STEP PEGS FOR RUST AND REPLACE AS NECESSARY.

CONTRACTOR SHALL INSPECT ALL RUSTED MOUNT CONNECTION HARDWARE. IF MATERIAL LOSS IS DISCOVERED CONTRACTOR SHALL REPLACE THE DAMAGED CONNECTION WITH NEW GALVANIZED PARTS OF THE SAME SIZE AND GRADE OR HIGHER. OTHERWISE CONTRACTOR SHALL WIRE BRUSH CLEAN ALL RUSTED MOUNT MEMBERS/THREADED RODS AND PROTECT WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE).



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW

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MADISON
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SHEET TITLE :

MODIFICATION DETAILS

SHEET NUMBER :

SS-1

MOUNT PHOTO 3

MOUNT PHOTO 4

MOUNT PHOTO 1

MOUNT PHOTO 2

SHEET NUMBER:
SS-2

SHEET TITLE:
MOUNT PHOTOS

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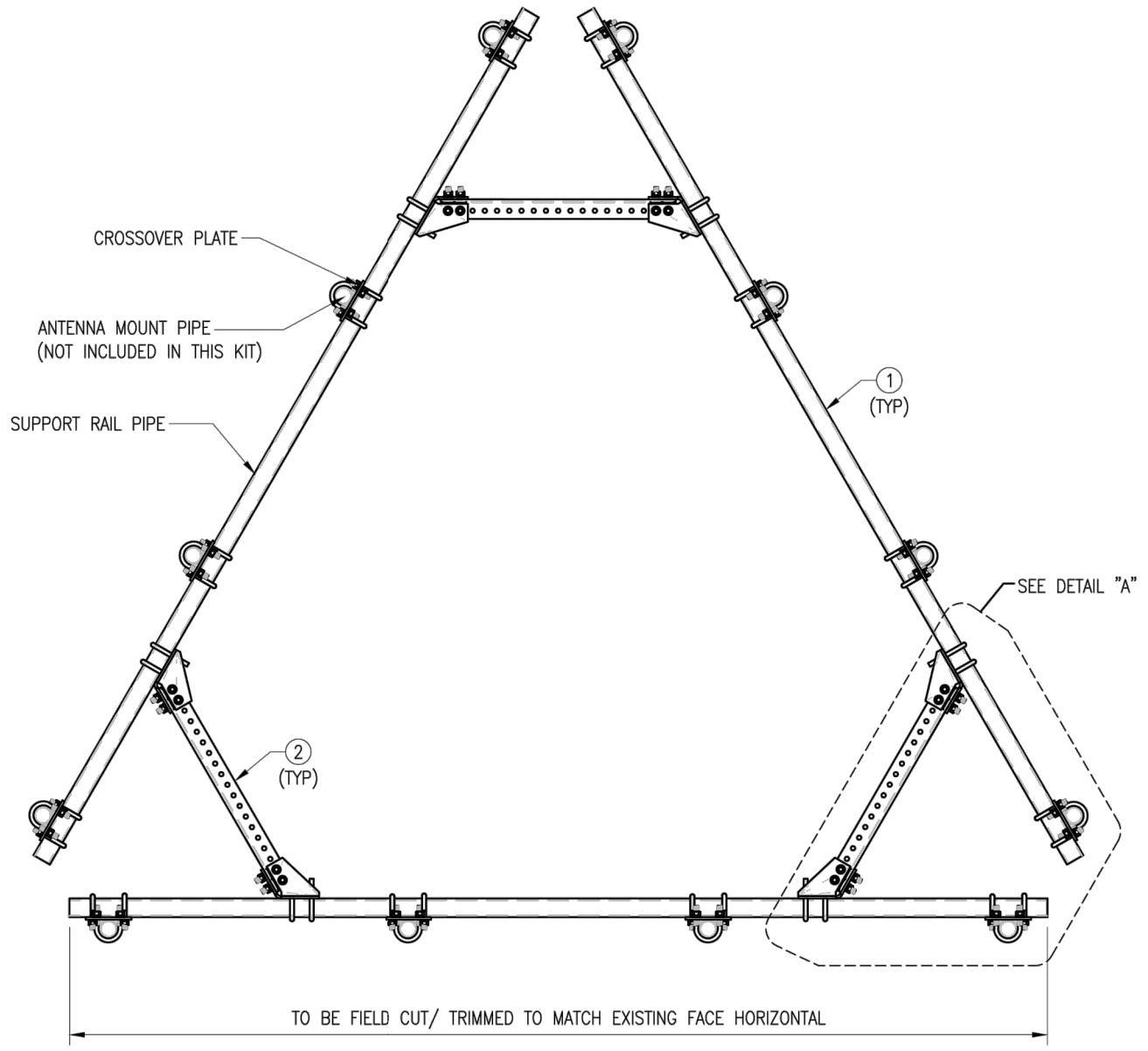
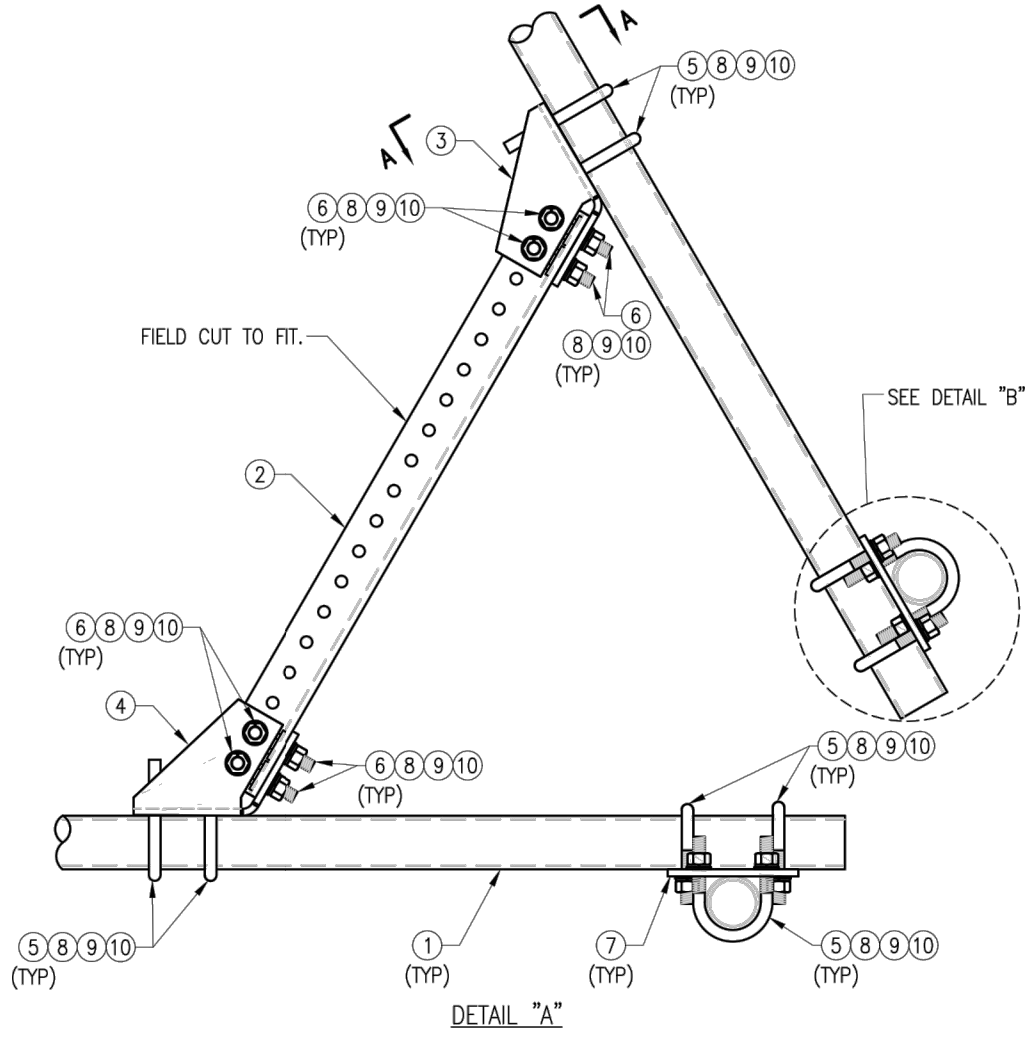
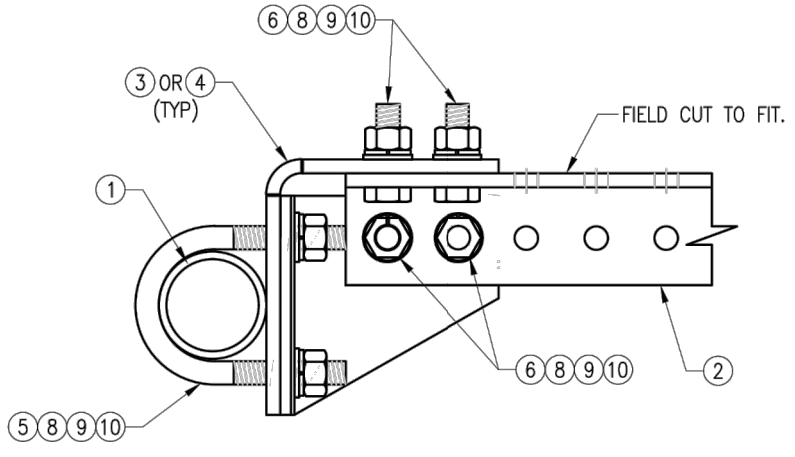


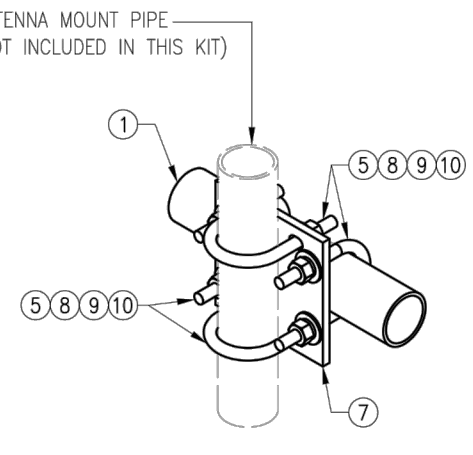
PLAN VIEW



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" I.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

VzW
SMART Tool©
Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

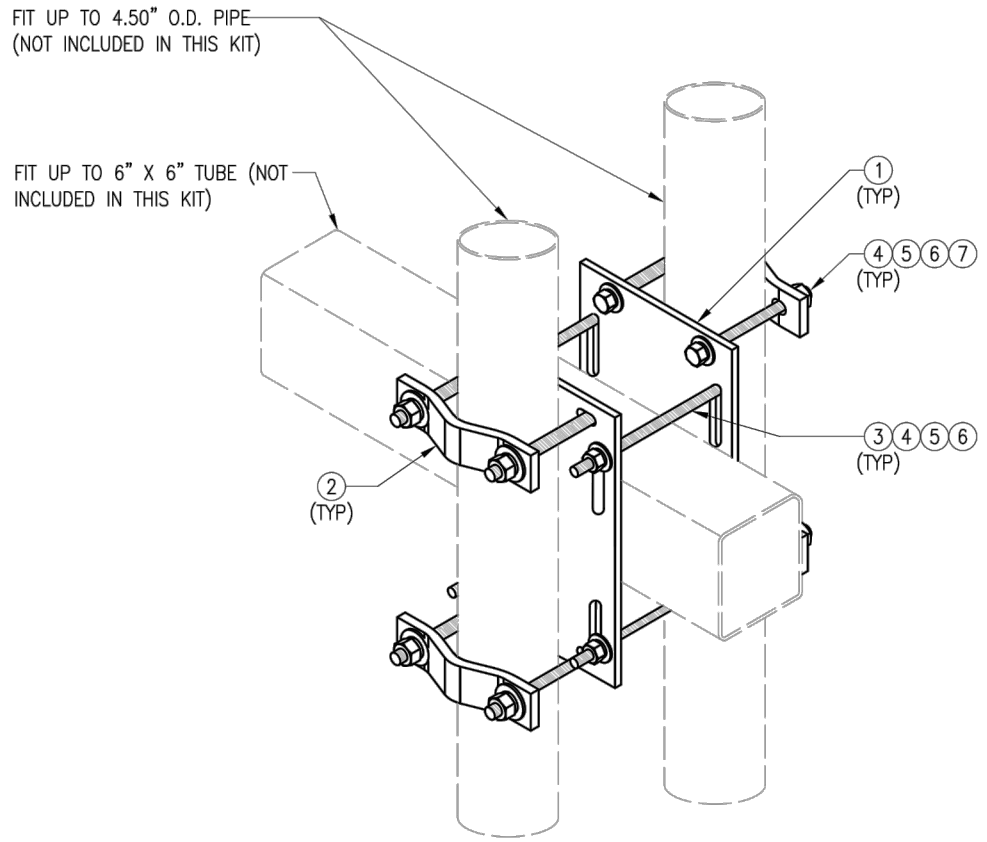
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1

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	PL375–8512	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

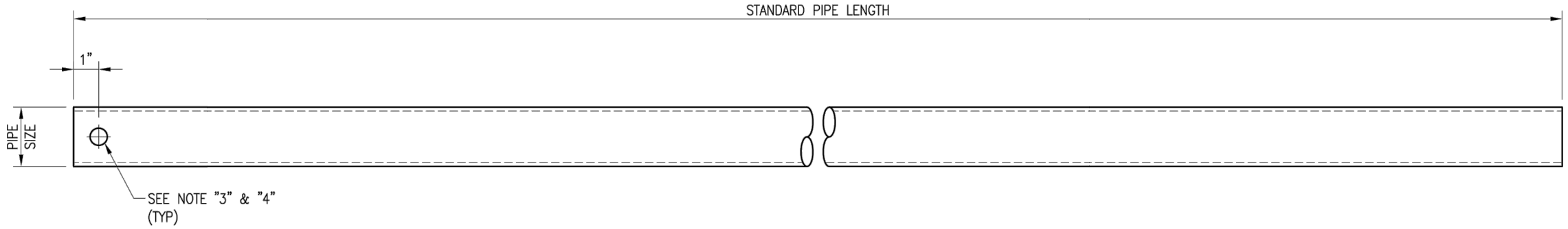
DRAWN BY: SK | CHECKED BY: BT/KW

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
0	FIRST ISSUE	BT	08/04/21

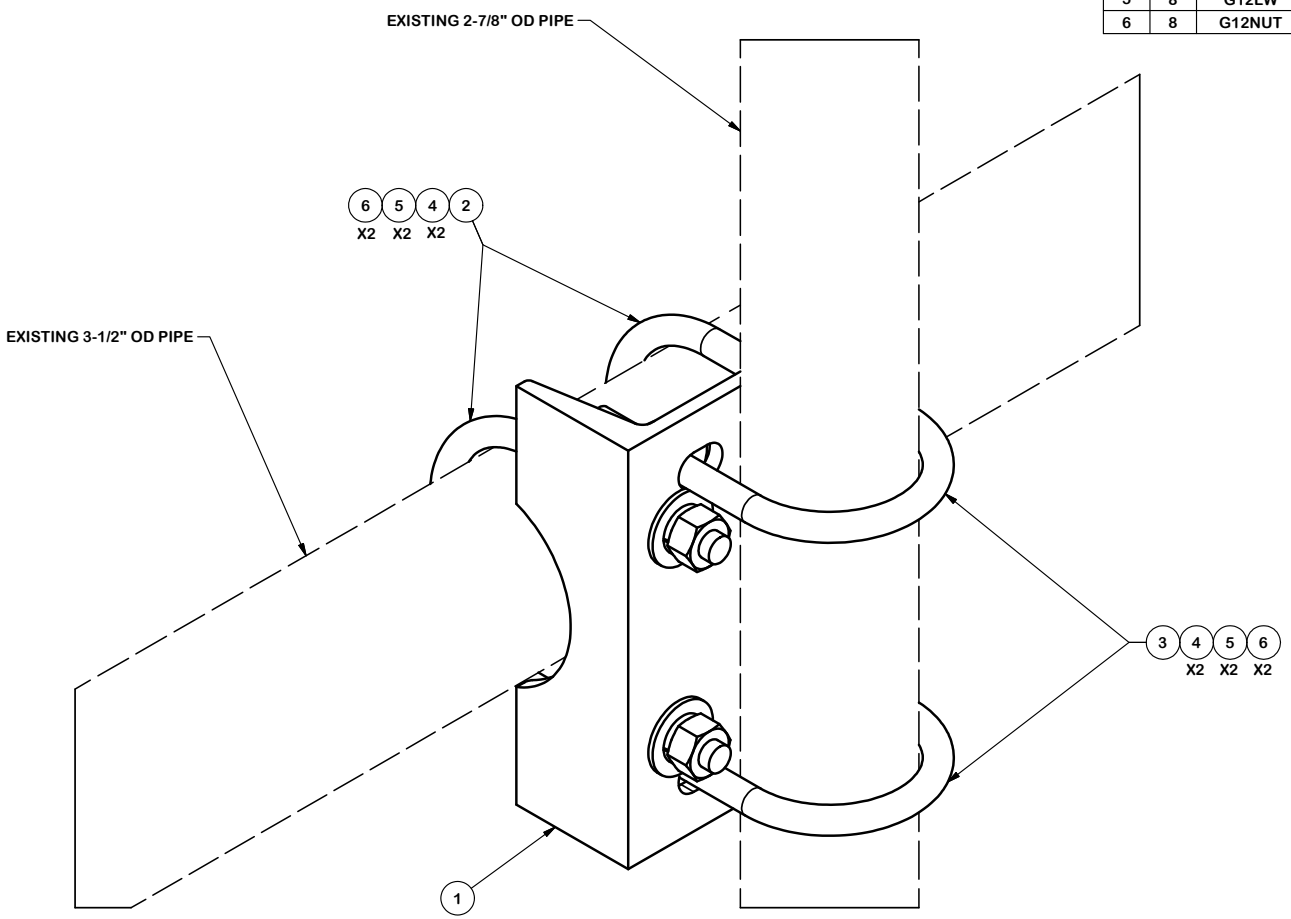
SHEET TITLE:

VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART–PIPE

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.66	1.31
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.61



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

REVISION HISTORY				
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REDRAWN IN INV, UPDATED VIEWS & TABLE		KC8	8-21-2012

DESCRIPTION: 2-7/8" TO 3-1/2" PIPE MOUNT ASSEMBLY

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
4518	BMC 6/3/2009		SP219-H

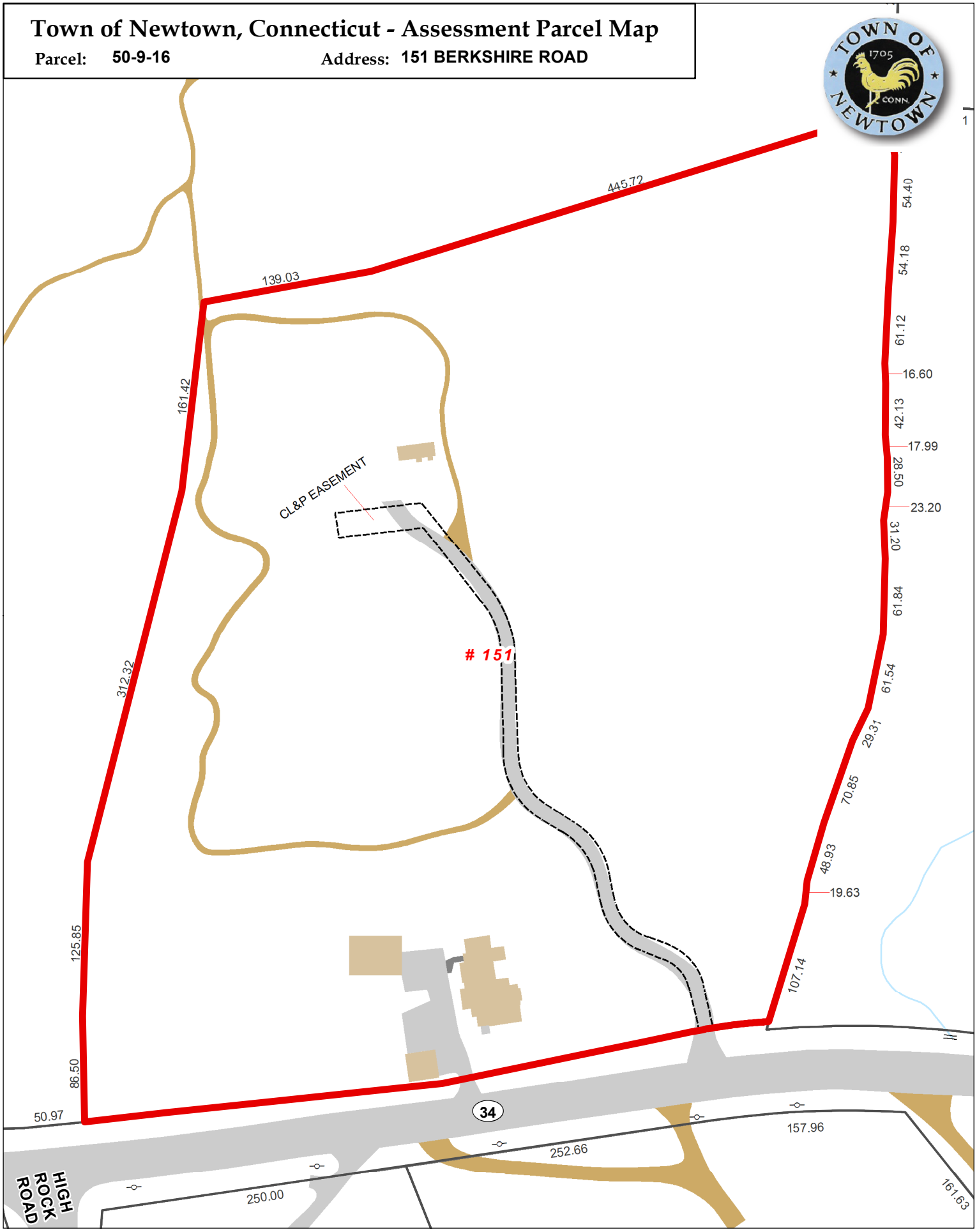
CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 2/18/2013	SP219-H

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

ATTACHMENT 5

Town of Newtown, Connecticut - Assessment Parcel Map

Parcel: 50-9-16 **Address:** 151 BERKSHIRE ROAD



Approximate Scale:

0 25 50 75 100 Feet

N W E S

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Newtown and its mapping contractors assume no legal responsibility for the information contained herein.

Map Produced Nov 2020

Town of Newtown, CT

Property Listing Report

Map Block Lot	50-9-16	Account	00713000

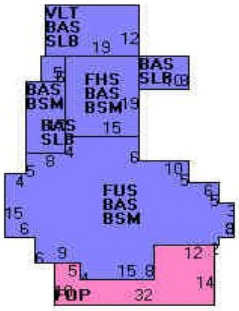
Property Information

Property Location	151 BERKSHIRE ROAD
Owner	ULIASZ MARNIE & HILL TRACY
Co-Owner	
Mailing Address	151 BERKSHIRE ROAD SANDY HOOK CT 06482
Land Use	1010 Single Family
Land Class	R
Zoning Code	R-2
Census Tract	
Sub Lot	

Neighborhood	090
Acreage	9.36
Utilities	Well,Septic
Lot Setting/Desc	
Survey Map	
TC Survey Numbers	

Photo

Sketch



Primary Construction Details

Year Built	1900
Stories	2.00
Building Style	Colonial
Building Use	Residential
Building Condition	B
Floors	Hardwood
Total Rooms	11

Bedrooms	4 Bedrooms
Full Bathrooms	2
Half Bathrooms	0
Bath Style	Typical
Kitchen Style	Old Style
Roof Style	Gable
Roof Cover	Asphalt/F Glas

Exterior Walls	Clapboard
Interior Walls	Drywall
Heating Type	Hot Water
Heating Fuel	Oil
AC Type	None
Gross Bldg Area	5615
Total Living Area	3114

Report Created On 3/14/2022

Town of Newtown, CT

Property Listing Report | Map Block Lot **50-9-16** | Account **00713000**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	265080	185560
Extras	0	0
Outbuildings	22100	15470
Land	164881	102810
Total	452061	303840

Outbuilding and Extra Items

Type	Description
1S Barn W/Loft	1260 S.F.
Garage	440 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1851	1851
Basement	1513	0
Finished Half Story	285	171
Open Porch	308	0
Finished Upper Story	1092	1092
Slab	338	0
Vaulted Ceiling	228	0
Total Area	5615	3114

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
ULIASZ MARNIE & HILL TRACY	1070/1063	9/2/2015	0
ULIAZ MARIE & HILL TRACY	1060/ 469	2/10/2015	190000
SBA TOWERS V LLC	1035/1004	7/29/2013	675000
FRIEDMAN KEVIN D & KELLY KATHY	0527/0870	12/25/2009	

Report Created On **3/14/2022**

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

NEWTOWN SE

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 03/16/2022 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.	Daniel Rosenthal, First Selectman Town of Newtown 8 Primrose Street Newtown, CT 06470				
2.	George Benson, Director of Planning Town of Newtown 8 Primrose Street Newtown, CT 06470				
3.	Marnie Uliasz and Tracy Hill 151 Berkshire Road Sandy Hook, CT 06482				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
MAR 16 2022
USPS

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

See Reverse for Instructions