

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

December 13, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification
12 Carpenter Road (a/k/a 14 Carpenter Road), Bolton, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco’s use of the tower were approved by the Siting Council (“Council”) in May of 2007 (Docket No 323). A copy of the Council’s Docket No. 323 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) Samsung MT6407-77A antennas, three (3) NHH-65B-R2B antennas and three (3) NHHSS-65B-R2B antennas. Cellco also intends to remove six (6) existing remote radio heads (“RRHs”) and install nine (9) new RRHs. All new equipment will be installed on Cellco’s existing antenna platform. A set of project plans showing Cellco’s proposed facility modifications and specification for Cellco’s new antennas and RRHs are included in Attachment 2. Cellco refers to this facility as its Manchester 2 telecommunications facility.

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 the Town’s Chief Executive Officer 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 replacement antennas will be installed on Cellco's existing antenna platform.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative general power density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts 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).

Melanie A. Bachman, Esq.
December 13, 2021
Page 3

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

Enclosures

Copy to:

Pamela Sawyer, First Selectman
Patrice Carson, Director of Community Development
Terry Lee Veo, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 323 - MCF Communications bg, Inc. and } Omnipoint Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the } construction, maintenance and operation of a telecommunications facility located at 12 Carpenter Road, Bolton, Connecticut. }	Connecticut Siting Council May 22, 2007
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Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to MCF Communications bg, Inc. and Omnipoint Communications, Inc., hereinafter referred to as the Certificate Holders, for a telecommunications facility at 12 Carpenter Road, Bolton, 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 Omnipoint Communications, Inc. and other entities, both public and private, but such tower shall not exceed a height of 140 feet above ground level. The height at the top of the antennas shall not exceed 140 feet above ground level.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Bolton for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
 - b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Bolton public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Bolton. Any proposed modifications to this Decision and Order shall likewise be so served.
9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
10. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

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

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

MCF Communications bg, Inc. and
Omnipoint Communications, Inc.

Intervenor

Sprint Nextel Corporation

Intervenor

Cellco Partnership d/b/a Verizon Wireless

Representative

Julie Kohler, Esq.
Carrie Larson, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604

Representative

Thomas Regan
Brown Rudnick Berlack Israels LLP
City Place I, 185 Asylum Avenue
Hartford, CT 06103-3402

Representative

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

ATTACHMENT 2



SITE NAME: MANCHESTER 2 CT

12 CARPENTER ROAD
BOLTON, CT 06043
TOWN OF BOLTON
TOLLAND COUNTY



Know what's below.
Call before you dig.

SITE INFORMATION

SITE ADDRESS: 12 CARPENTER ROAD
BOLTON, CT 06043

LATITUDE (NAD 83): N 41°-46'-44.70" (41.779083°)
LONGITUDE (NAD 83): W 72°-27'-55.10" (-72.465306°)

JURISDICTION: TOWN OF BOLTON
TOLLAND COUNTY

PARCEL NUMBER: 2321449

PROPERTY OWNER: VEO TERRY L
23 BOLTON CENTER ROAD
BOLTON, CT 06043

TOWER OWNER: SBA COMMUNICATIONS CORPORATION
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307

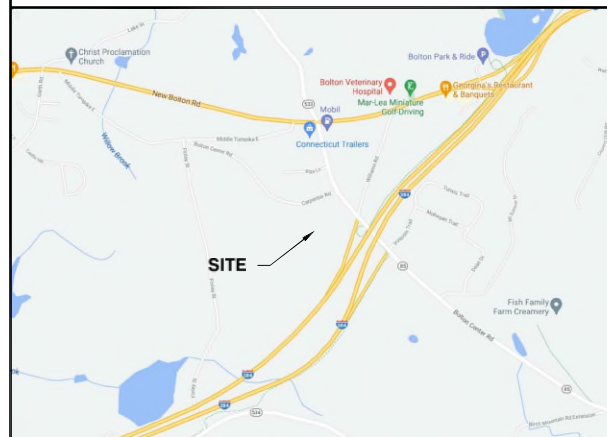
VZW SITE ID: 324286

STRUCTURE TYPE: MONOPOLE

CONSTRUCTION TYPE: II B

USE GROUP: U

VICINITY MAP



SITE



DRAWING INDEX

T-1	TITLE SHEET
C-1	COMPOUND PLAN
C-2	ELEVATION
A-1	EXISTING ANTENNA PLAN & SCHEDULE
A-2	PROPOSED ANTENNA PLAN & SCHEDULE
A-3	ANTENNA DETAILS & PLUMBING DIAGRAM
A-4	EQUIPMENT SPECIFICATIONS & DETAILS
A-5	SCOPE OF WORK
G-1	GROUNDING DETAILS & NOTES

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.

SCOPE OF WORK

PROJECT CONSISTS OF INSTALLING: (3) PROPOSED DUAL ANTENNA MOUNT(S), (9) PROPOSED ANTENNA(S), (12) PROPOSED RRU(S), (2) PROPOSED OVP(S), AND (2) PROPOSED 6X12 HYBRID CABLE(S) TO AN EXISTING WIRELESS TELECOMMUNICATIONS FACILITY.

PROJECT CONSISTS OF REMOVING: (9) EXISTING ANTENNA(S), (6) EXISTING RRU(S), (1) EXISTING OVP, AND (1) EXISTING 6X12 HYBRID CABLE TO AN EXISTING 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

APPROVAL BLOCK

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

PROJECT TEAM

APPLICANT: CELCO PARTNERSHIP d/b/a
VERIZON WIRELESS
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

PROJECT MANAGEMENT FIRM: NETWORK BUILDING & CONSULTING, LLC.
6095 MARSHALEE DRIVE
SUITE 300
ELK RIDGE, MD 21075

ENGINEERING FIRM: NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
(978) 856-8308

ENGINEER



NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE
SUITE 303
CHELMSFORD, MA 01824
(978) 856-8308

APPLICANT



118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

MANCHESTER_2_CT
12 CARPENTER ROAD
BOLTON, CT 06043
TOWN OF BOLTON
TOLLAND COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/24/21	FINAL CD	CWE

PROFESSIONAL STAMP



ENGINEER

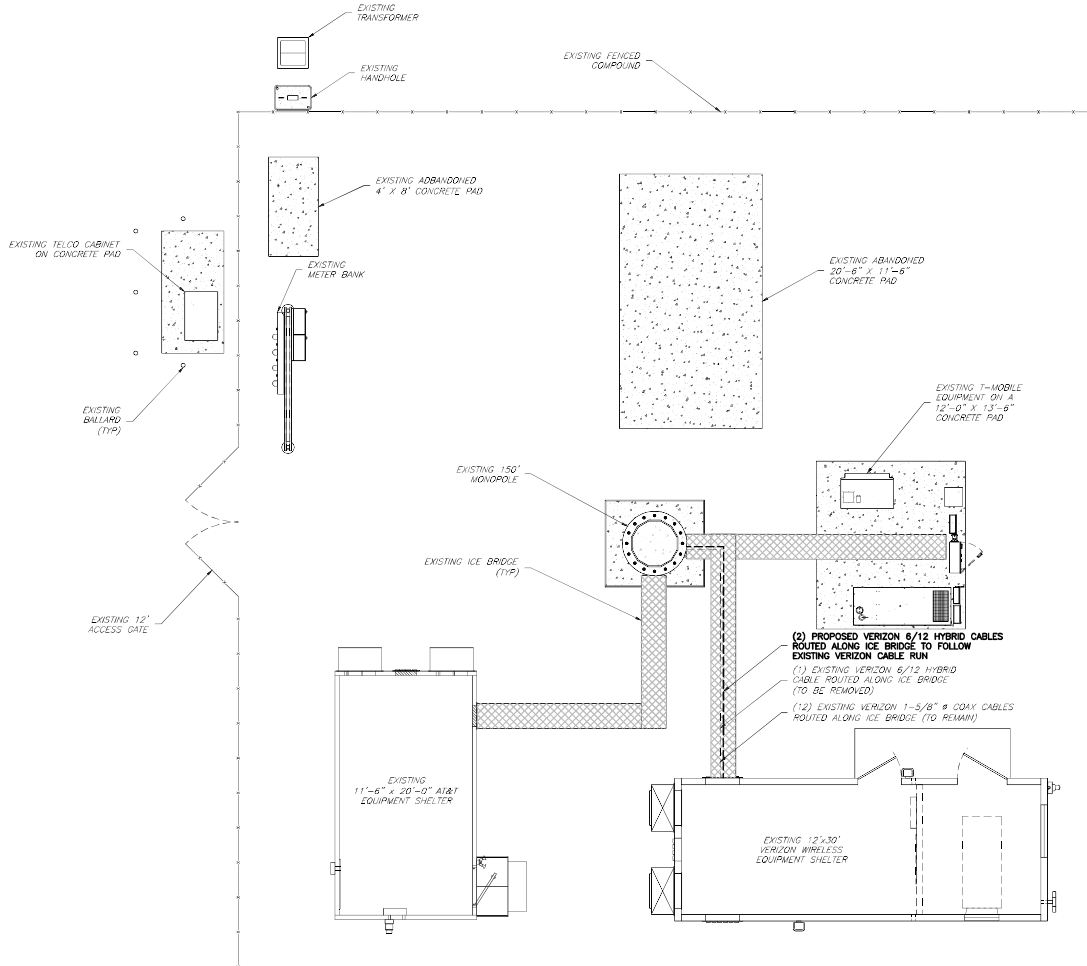
DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

SHEET TITLE

TITLE SHEET

SHEET NUMBER

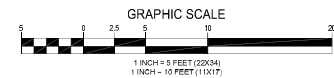
T-1



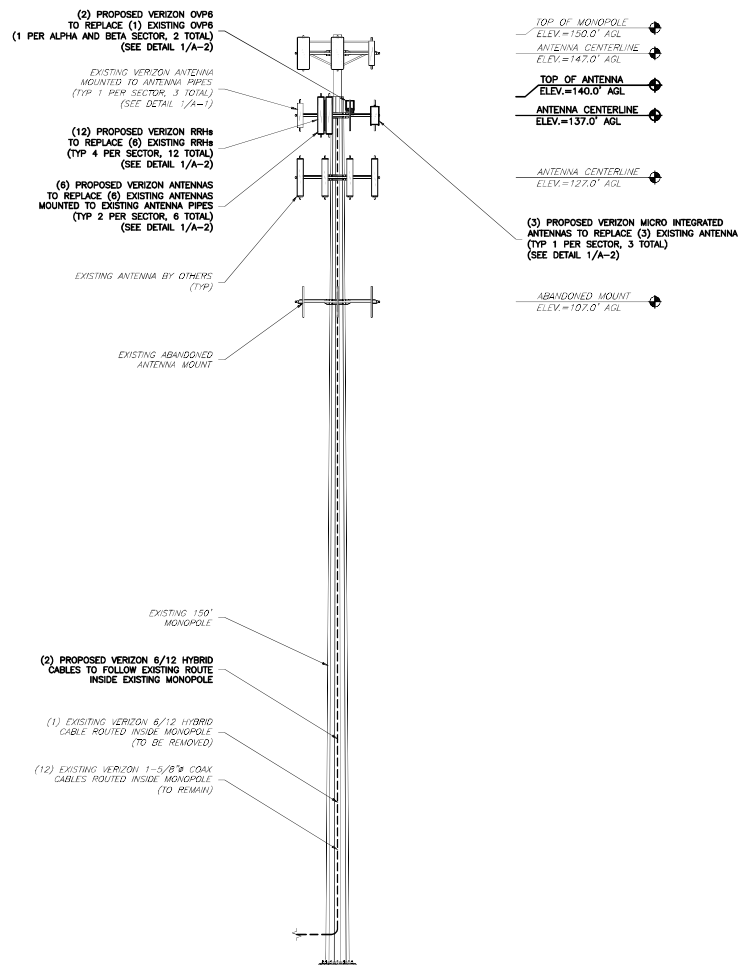
1 COMPOUND PLAN
C-1
SCALE: 1" = 5' (22X34)
SCALE: 1" = 10' (11X17)

GENERAL NOTES

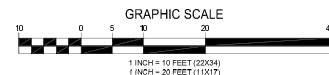
1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL 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.

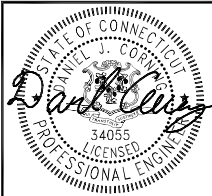


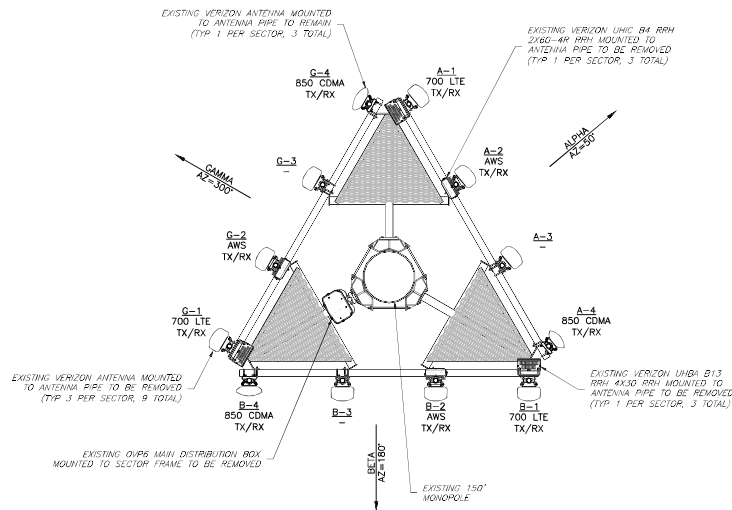
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1
C-2 ELEVATION
SCALE: 1" = 10' (22X34)
SCALE: 1" = 20' (11X17)



ENGINEER	 TOTALLY COMMITTED. NB+C ENGINEERING SERVICES, L.L.C. 100 WINDMILL DRIVE SOUTH DART CHILMARK, MA 01913 (978) 858-3000												
APPLICANT	 verizon 118 FLANDERS ROAD FLOOR 3 WESTBOROUGH, MA 01581												
SITE INFORMATION	MANCHESTER_2_CT 12 CARPENTER ROAD BOLTON, CT 06043 TOWN OF BOLTON TOLLAND COUNTY												
DESIGN RECORD	<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>08/24/21</td> <td>FINAL CD</td> <td>CWE</td> </tr> </tbody> </table>	REVISIONS				REV	DATE	DESCRIPTION	BY	0	08/24/21	FINAL CD	CWE
REVISIONS													
REV	DATE	DESCRIPTION	BY										
0	08/24/21	FINAL CD	CWE										
PROFESSIONAL STAMP													
ENGINEER	DANIEL J. CORNING, P.E. CT PROFESSIONAL ENGINEER LIC. #34055												
SHEET TITLE	ELEVATION												
SHEET NUMBER	C-2												



1
A-1
NTS
EXISTING ANTENNA ORIENTATION PLAN

EXISTING ANTENNA & RRH SCHEDULE										
ANTENNA POSITION	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	DOWN TILT		RRH QUANTITY & MODEL	TECHNOLOGY	CABLE SIZE, LENGTH & QUANTITY	
					MECH	ELEC				
A-1	ANDREW	SBVHH-1D85B	137.00'	50°	0°	2°	(1) UHBA B13 RRH 4x30	700 LTE	(2) 1-5/8"ø COAX (180'±)	SHARED THROUGH HYBRIFLEX
A-2	ANTEL	BXA-70063-6C°	137.00'	50°	0°	2°	(1) UHIC B4 RRH 2X60-4R	AWS		
A-3	ANDREW	SBVHH-1D85B	137.00'	50°	-	-	-	-		
A-4	ANTEL	BXA-70063-6C°	137.00'	50°	4°	2°	-	850 CDMA		
B-1	ANDREW	SBVHH-1D85B	137.00'	180°	0°	2°	(1) UHBA B13 RRH 4x30	700 LTE	(2) 1-5/8"ø COAX (180'±)	(1) 6/12 HYBRID CABLE (180'±)
B-2	ANTEL	BXA-70063-6C°	137.00'	180°	0°	0°	(1) UHIC B4 RRH 2X60-4R	AWS		
B-3	ANDREW	SBVHH-1D85B	137.00'	180°	-	-	-	-		
B-4	AMPHENOL	BXA-70060-6B°	137.00'	180°	3°	0°	-	850 CDMA		
G-1	ANDREW	SBVHH-1D85B	137.00'	300°	0°	12°	(1) UHBA B13 RRH 4x30	700 LTE	(2) 1-5/8"ø COAX (180'±)	SHARED THROUGH HYBRIFLEX
G-2	ANTEL	BXA-70063-6C°	137.00'	300°	0°	6°	(1) UHIC B4 RRH 2X60-4R	AWS		
G-3	ANDREW	SBVHH-1D85B	137.00'	300°	-	-	-	-		
G-4	AMPHENOL	BXA-70060-6B°	137.00'	300°	6°	0°	-	850 CDMA		

NOTES:
1. PLANS PREPARED PER RF SHEET DATED 07/09/2021. 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
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
100 WILLOW DRIVE
SUITE 101
CHELSEA, MA 01860
(978) 855-3000

APPLICANT

verizon
118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

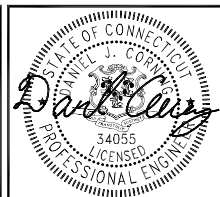
MANCHESTER_2_CT
12 CARPENTER ROAD
BOLTON, CT 06043
TOWN OF BOLTON
TOLLAND COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/24/21	FINAL CDG	CWE

PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

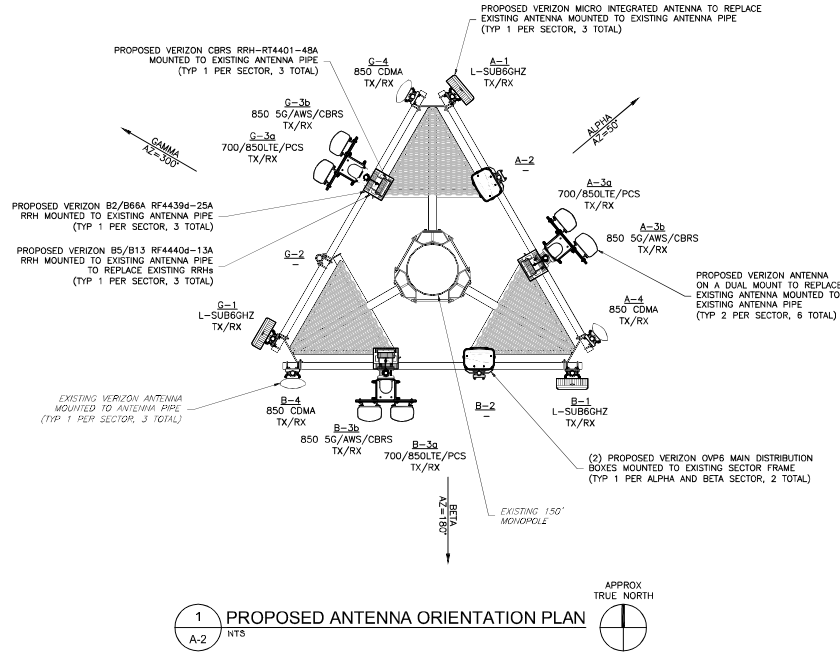
**EXISTING
ANTENNA PLAN
& SCHEDULE**

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.



PROPOSED ANTENNA & RRH SCHEDULE

ANTENNA POSITION	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	DOWN TILT MECH ELEC	RRH QUANTITY & MODEL	TECHNOLOGY	CABLE SIZE, LENGTH & QUANTITY
A-1	SAMSUNG	MT6407-77A	137.00'	50'	0' 6'	INTEGRATED IN ANTENNA	nL-Sub6	(2) 1-5/8" COAX CABLES (180.00'±)
A-2	-	-	-	-	-	-	-	-
A-3a	COMMSCOPE	NHH-658-R2B	137.00'	50'	0' 0' 2' 1"	(1) RF44400-13A (1) RF44390-25A (1) CBRS RRH-RT4401-48A	700/850 PCS/AWS CBRS	(1) 6/12 HYBRID CABLE (180.00'±)
A-3b	COMMSCOPE	NHHSS-658-R2BTO	137.00'	50'	0' 0' 0' 2' 1" 0'	(1) CBRS RRH-RT4401-48A	-	-
A-4	ANTEL	BXA-70063-4CF	137.00'	50'	4' 2'	-	850 CDMA	-
B-1	SAMSUNG	MT6407-77A	137.00'	180'	0' 6'	INTEGRATED IN ANTENNA	nL-Sub6	(2) 1-5/8" COAX CABLES (180.00'±)
B-2	-	-	-	-	-	-	-	-
B-3a	COMMSCOPE	NHH-658-R2B	137.00'	180'	0' 0' 2' 1"	(1) RF44400-13A (1) RF44390-25A (1) CBRS RRH-RT4401-48A	700/850 PCS/AWS CBRS	(1) 6/12 HYBRID CABLE (180.00'±)
B-3b	COMMSCOPE	NHHSS-658-R2BTO	137.00'	180'	0' 0' 0' 2' 1" 0'	(1) CBRS RRH-RT4401-48A	-	-
B-4	AMPHENOL	BXA-70080-6BF	137.00'	180'	0' 3'	-	850 CDMA	-
G-1	SAMSUNG	MT6407-77A	137.00'	300'	0' 6'	INTEGRATED IN ANTENNA	nL-Sub6	(2) 1-5/8" COAX CABLES (180.00'±)
G-2	-	-	-	-	-	-	-	-
G-3a	COMMSCOPE	NHH-658-R2B	137.00'	300'	0' 0' 12' 6"	(1) RF44400-13A (1) RF44390-25A (1) CBRS RRH-RT4401-48A	700/850 PCS/AWS CBRS	SHARED THROUGH HYBRID CABLE
G-3b	COMMSCOPE	NHHSS-658-R2BTO	137.00'	300'	0' 0' 0' 12' 6" 0'	(1) CBRS RRH-RT4401-48A	-	-
G-4	AMPHENOL	BXA-70080-6BF	137.00'	300'	6' 0'	-	850 CDMA	-

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

NB+C
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
100 WILLOW DRIVE
SUITE 101
WESTBOROUGH, MA 01581
(978) 855-3000

APPLICANT

verizon

118 FLANDERS ROAD
FLOOR 3
WESTBOROUGH, MA 01581

SITE INFORMATION

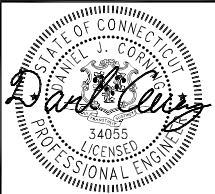
MANCHESTER_2_CT
12 CARPENTER ROAD
BOLTON, CT 06043
TOWN OF BOLTON
TOLLAND COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/24/21	FINAL CDG	CWE

PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

**PROPOSED
ANTENNA PLAN
& SCHEDULE**

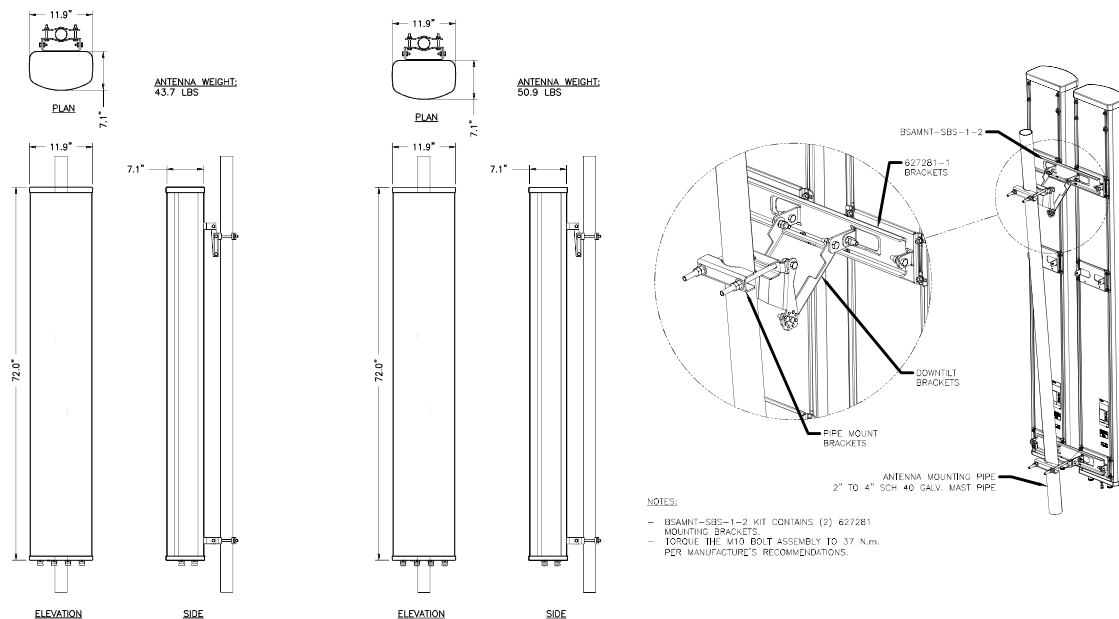
SHEET NUMBER

A-2

EXISTING ANTENNA SPECIFICATIONS						
ANTENNA MANUFACTURER	ANTENNA MODEL	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
ANTEL	BXA-70063-4CF	1	47.33"	11.17"	5.0"	9.9 LBS
AMPHENDL	BXA-70060-6BF	2	71.00"	8.00"	5.75"	18.0 LBS
ANTEL	*BXA-70063-6CF	3	71.0"	11.2"	6.0"	17.0 LBS
ANDREW	*SBNHSS-1D65B	6	72.75"	11.75"	7.08"	49.6 LBS

* TO BE REMOVED

PROPOSED ANTENNA SPECIFICATIONS						
ANTENNA MANUFACTURER	ANTENNA MODEL	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
COMMSCOPE	NHH-65B-R2B	3	72.0"	11.9"	7.1"	43.7 LBS
COMMSCOPE	NHHSS-65B-R2BT0	3	72.0"	11.9"	7.1"	50.9 LBS
SAMSUNG	MT6407-77A	3	35.12"	16.06"	5.51"	81.5 LBS

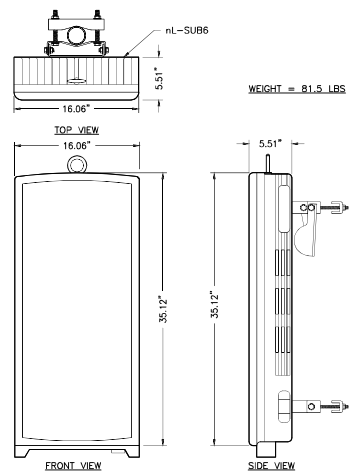


- NOTES:
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 6272B1 MOUNTING BRACKETS.
 - TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURER'S RECOMMENDATIONS.

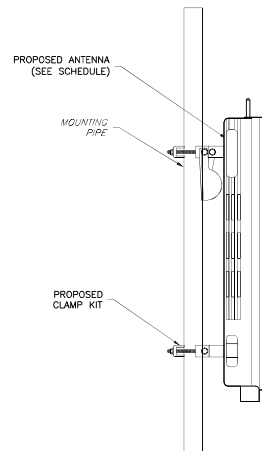
1 NHH-65B-R2B ANTENNA DETAILS
A-3 NTS

2 NHHSS-65B-R2BT0 ANTENNA DETAILS
A-3 NTS

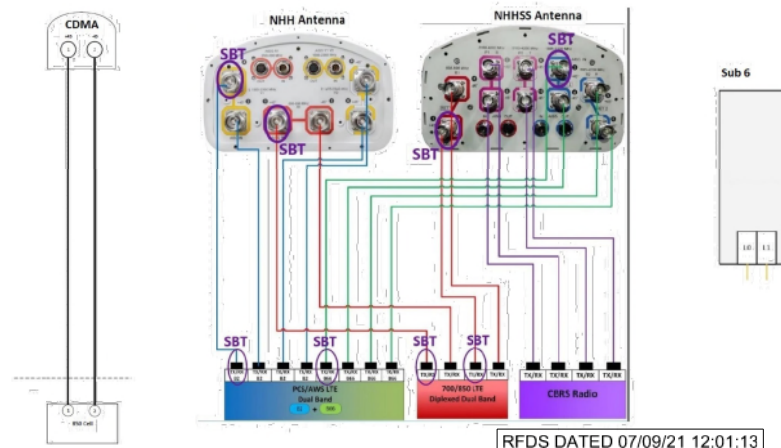
3 DUAL ANTENNA MOUNTING DETAILS
A-3 NTS



4 MT6407-77A INTEGRATED ANTENNA
A-3 NTS



5 ANTENNA MOUNTING DETAILS
A-3 NTS



RFDS DATED 07/09/21 12:01:13

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

**ANTENNA DETAILS
& PLUMBING
DIAGRAM**

A-3

EXISTING RRH EQUIPMENT SPECIFICATIONS							
MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
LUCENT	* UHBA B13 RRH 4x30	MONOPOLE	3	21.60"	12"	9.0"	56.7 LBS
LUCENT	* B4-JWS 2x60-4R	MONOPOLE	3	36.6"	10.6"	5.25"	55.0 LBS

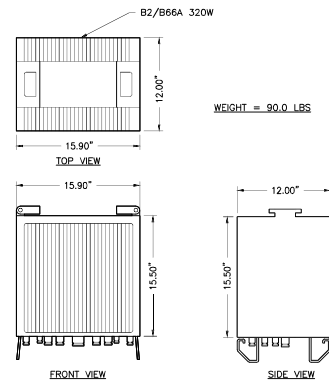
* TO BE REMOVED

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
SAMSUNG	CBRS RRH-RT4401-48A	MONOPOLE	3	13.9"	8.6"	5.6"	22.0 LBS

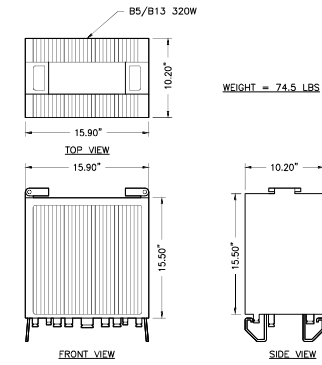
EXISTING DISTRIBUTION EQUIPMENT SPECIFICATIONS							
MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RAYCAP	* RC3DC-3315-PF-48 (OVP6)	MONOPOLE	1	-	-	-	-

* TO BE REMOVED

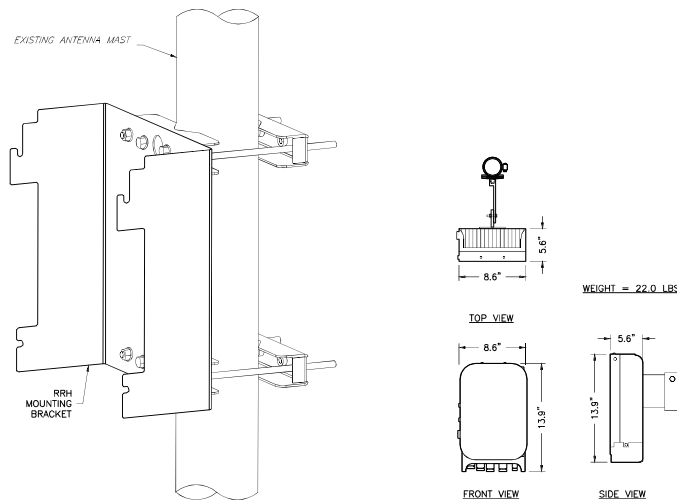
PROPOSED DISTRIBUTION EQUIPMENT SPECIFICATIONS							
MANUFACTURER	MODEL #	LOCATION	QUANTITY	HEIGHT	WIDTH	DEPTH	WEIGHT
RAYCAP	RC3DC-3315-PF-48 (OVP6)	MONOPOLE	2	28.93"	15.73"	10.3"	32.0 LBS



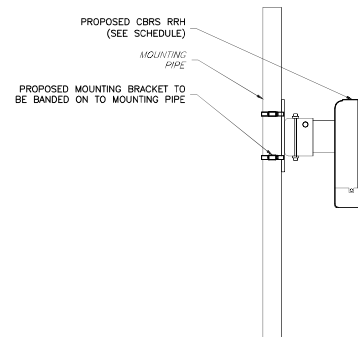
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A-4 NTS



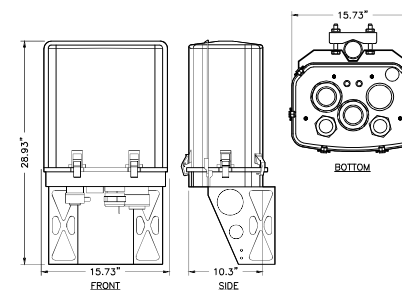
2 B5/B13 RF4440D-13A (REMOTE RADIO HEAD)
A-4 NTS



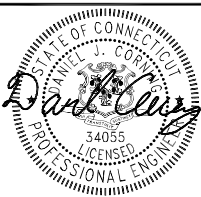
4 CBRs RT4401-48A RRH
A-4 NTS



5 CBRs RRH MOUNTING DETAILS
A-4 NTS



6 OVP6 DISTRIBUTION BOX DETAIL
A-4 NTS

ENGINEER	 TOTALLY COMMITTED. NB+C ENGINEERING SERVICES, LLC. 100 RIVINGTON DRIVE SUITE 301 WESTBOROUGH, MA 01581 (978) 855-3000											
APPLICANT	 118 FLANDERS ROAD FLOOR 3 WESTBOROUGH, MA 01581											
SITE INFORMATION	MANCHESTER_2_CT 12 CARPENTER ROAD BOLTON, CT 06043 TOWN OF BOLTON TOLLAND COUNTY											
DESIGN RECORD	<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>09/24/21</td> <td>FINAL CDL</td> </tr> </tbody> </table>			REVISIONS			REV	DATE	DESCRIPTION	0	09/24/21	FINAL CDL
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PROFESSIONAL STAMP												
ENGINEER	DANIEL J. CORNING, P.E. CT PROFESSIONAL ENGINEER LIC. #34055											
SHEET TITLE	EQUIPMENT SPECIFICATIONS & DETAILS											
SHEET NUMBER	A-4											

VERIZON WIRELESS CONTRACTOR SCOPE OF WORK

MOP FOR RET INSTALLS

- 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 ALPHA AND BETA SECTORS ON THE PLATFORM STANDOFF.
- VERIZON WIRELESS CONTRACTOR IS TO INSTALL (2) RUNS OF 6/12 HYBRID CABLE FROM THE PROPOSED MAIN DISTRIBUTION BOXES (BOTTOM) TO THE MAIN DISTRIBUTION BOXES (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 SUPPLY AND INSTALL 1/2" ANTENNA JUMPERS FROM EACH PROPOSED REMOTE RADIO HEAD UNIT (RRH) TO THE PROPOSED ANTENNAS IN ALL SECTORS (16 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.
- 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 RFV01DU-D1A 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 RFV01DU-D2A 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 (2) EXTRA FIBER CABLE TO THE SECONDARY OPT2 PORT.
- CBRS 1/1 HYBRID CABLE MUST BE CONNECTED TO OPT1 PORT AND (1) EXTRA FIBER CABLE TO THE SECONDARY OPT2 PORT.

ANTENNA CREW

- REVIEW ANTENNA SCHEDULE WITH CELL TECH
- FOR EACH SECTOR, LAY ANTENNAS OUT ON THE GROUND AS THEY WILL BE INSTALLED ACCORDING TO THE ANTENNA SCHEDULE
- LABELLED EACH ANTENNA WITH FACE AND POSITION WITH A SHARPIE (EX:"ALPHA-4")
- LABEL ALL MOTORS WITH SHARPIE WITH BAND AND TECHNOLOGY (EX:"700LTE", "AWSLTE","PCSLTE","850VOICE", ETC)
- CONNECT ALL AISG CABLES (INCLUDING JUMPERS THAT WILL BE USED IN FINAL ASSEMBLY) PER THE ANTENNA SCHEDULE
 - WHEN DAISY CHAINING IS INEVITABLE, AS A GENERAL RULE...
 - KEEP LOW AND HIGH BANDS ON SEPARATE AISG CHAINS AS MUCH AS POSSIBLE
 - MINIMIZE AMOUNT OF MOTORS PER CHAIN AS MUCH AS POSSIBLE (MAX IS 6)
 - 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.
- 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")
- GIVE A SOFTCOPY OF THE RET DEPLOYMENT FORM TO VZW CELL TECH AND GC/CONSULTANT (EITHER BY EMAIL OR USB STICK)
- 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)
 - COPY AND PASTE "RET FRIENDLY NAME" FROM SPREADSHEET (COLUMN A) TO THE "SECTOR ID" FIELD OF EACH MOTOR
 - POPULATE "SET RET TILT"
 - POPULATE "MECHANICAL TILT"
- CALIBRATE ALL MOTORS
- DISCONNECT NECESSARY AISG JUMPERS TO TRANSPORT ANTENNAS SAFELY TO ASSEMBLY
- INSTALL ANTENNAS ACCORDING TO THE ANTENNA SCHEDULE, USING THE SHARPIE LABELS AS REFERENCE
- RECONNECT ALL AISG JUMPERS
- BEFORE PLUGGING INTO EACH RRH, CONNECT MAIN AISG CABLE INTO CONTROLLER TO ENSURE ALL MOTORS ARE STILL SEEN IN THE DAISY CHAIN
- PLUG AISG INTO RRH AND NOTIFY VZW TECH OF COMPLETION

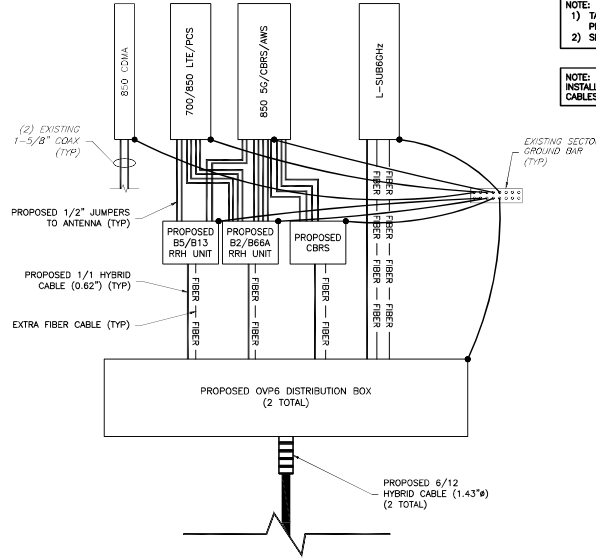
VZW TECH (USER HELP GUIDE: \\WIN-VZWNET\NORTHEAST\PAPM_IMPLEMENTATION\SYSTEM PERFORMANCE\USERS\MOSERGA\RET\)

15. POWER ON RADIO EQUIPMENT AND RUN ANY NECESSARY WOS

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

ENGINEER	 NB+C ENGINEERING SERVICES, LLC. 100 WINDY HILL DRIVE BOLTON, CT 06043 (860) 855-3000																																																
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ANTENNA LOCATION FROM BEHIND (TYP PER SECTOR ONLY)

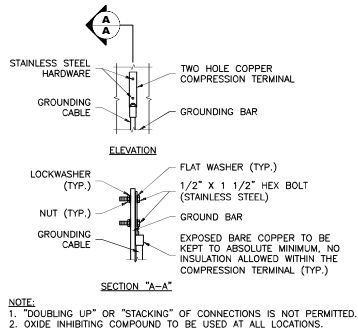


NOTE:
1) TAG ALL EXISTING AND PROPOSED CABLES/JUMPERS PER VERIZON SPECIFICATIONS (SEE RF SCHEDULE).
2) SEE A-1 & A-2 FOR CABLE LENGTHS.

NOTE:
INSTALL GROUNDING KIT TO ALL PROPOSED HYBRID FEEDER CABLES.

1 GROUNDING RISER DIAGRAM

G-1 NTS



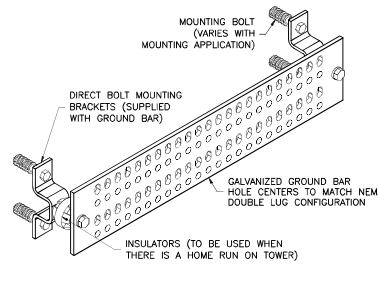
NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

3 GROUND BAR CONNECTION DETAIL

G-1 NTS

4 CABLE GROUNDING DETAIL

G-1 NTS

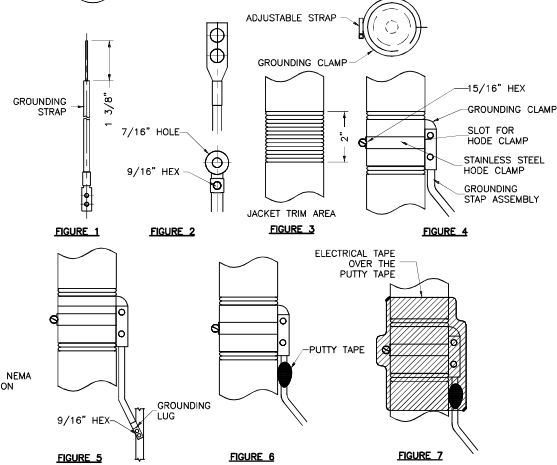


5 GROUND BAR DETAIL

G-1 NTS

2 CADWELD GROUNDING CONNECTION DETAILS

G-1 NTS

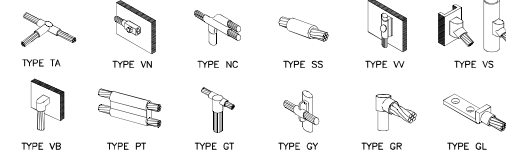


6 GROUNDING STRAP WEATHERPROOFING DETAIL

G-1 NTS

GROUNDING NOTES

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- 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.
- 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.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- 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.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- 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.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.



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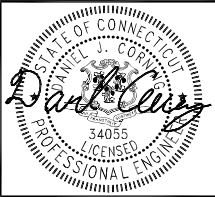
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0	09/24/21	FINAL CDL	CWE

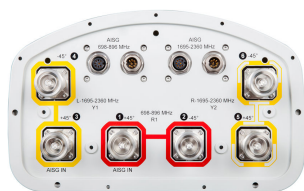


DANIEL J. CORNING, P.E.
CT PROFESSIONAL ENGINEER LIC. #34055

GROUNDING DETAILS & NOTES

G-1

NHH-65B-R2B



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

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

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.26 m ² 2.799 ft ²
Effective Projective Area (EPA), lateral	0.22 m ² 2.368 ft ²
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

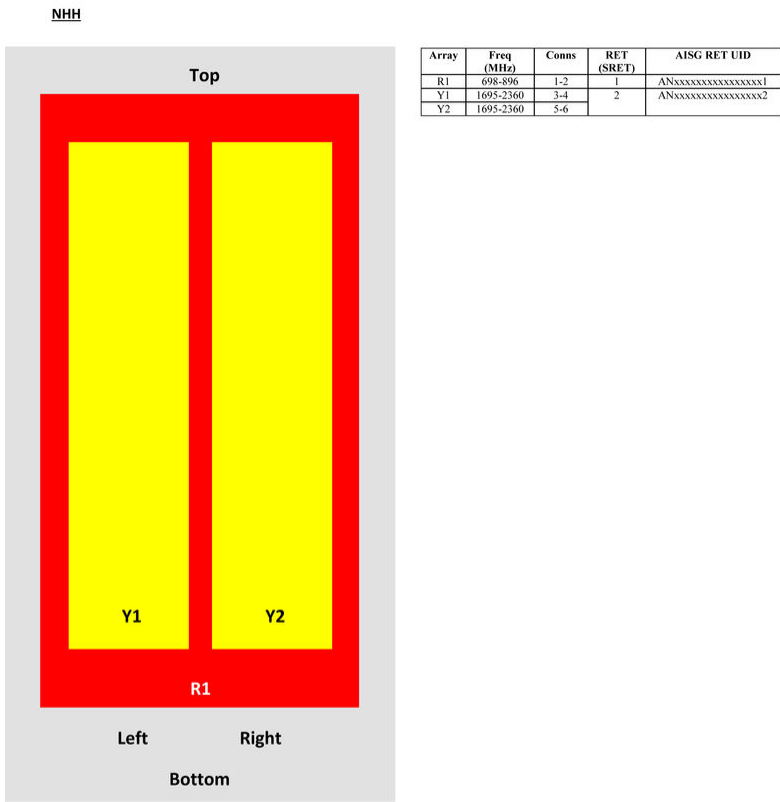
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male

Dimensions

Width	301 mm 11.85 in
Length	1828 mm 71.969 in
Depth	180 mm 7.087 in

Array Layout

NHH-65B-R2B



View from the front of the antenna
(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

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

Remote Electrical Tilt (RET) Information, Electrical

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

NHH-65B-R2B

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	300	300	300	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0° 14.4 7° 14.6 14° 14.3	0° 14.7 7° 14.7 14° 14.1	0° 17.2 4° 17.3 7° 17.3	0° 17.6 4° 17.7 7° 17.7	0° 18.0 4° 18.2 7° 18.1	0° 18.3 4° 18.5 7° 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19
CPR at Sector, dB	10	7	16	13	11	4

Material Specifications

Radiator Material

Low loss circuit board

NHH-65B-R2B

Reflector Material	Aluminum
Mechanical Specifications	
Wind Loading at Velocity, frontal	278.0 N @ 150 km/h 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	230.0 N @ 150 km/h 51.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	120.7 lbf @ 150 km/h 537.0 N @ 150 km/h
Wind Speed, maximum	241 km/h 149.75 mph

Packaging and Weights

Width, packed	409 mm 16.102 in
Depth, packed	299 mm 11.772 in
Length, packed	1952 mm 76.85 in
Net Weight, without mounting kit	19.8 kg 43.651 lb
Weight, gross	32.3 kg 71.209 lb

Regulatory Compliance/Certifications

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



Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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CommScope—Proprietary and Confidential. Preliminary specifications are for illustrative purposes only and will be updated prior to publication.



10-port sector antenna, 2x 698–896, 4x 1695–2200 and 4x 3100–4200 MHz, 65° HPBW, 2x RETs and 2x SBTs. Both high bands share the same electrical tilt.

- Perfect antenna to add 3.5GHz CBRS to macro sites
- 15dBi max CBRS gain to align with FCC max EIRP limitations
- Low band and mid band performance mirrors the performance of existing NHH hex port antennas
- Narrow beamwidth capacity antenna for higher level of densification and enhanced data throughput
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One LB RET and one HB RET. Both high bands are controlled by one RET to ensure same tilt level for 4x Rx or 4x MIMO
- Interleaved dipole technology providing for attractive, low wind load mechanical package

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	3100–3300	3300–3800	3800–4200
Gain, dBi	14.7	14.7	17.1	17.6	18.4	14.4	14.4	14.5
Beamwidth, Horizontal, degrees	66	61	72	67	64	58	65	60
Beamwidth, Vertical, degrees	12.4	11.1	5.6	5.2	5.0	11.3	10.0	9.0
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	5	5	5
USLS (First Lobe), dB	14	13	15	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	27	29	28	28	28	25	25	25
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	30	30	30
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-140	-140	-140
Input Power per Port at 50°C, maximum, watts	300	300	300	300	300	100	100	100
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

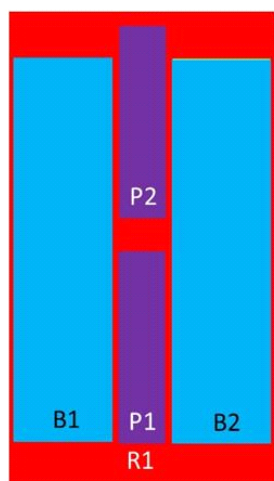
Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	3100–3300	3300–3800	3800–4200
Gain by all Beam Tilts, average, dBi	14.3	14.3	16.6	17.4	17.9	14.2	14.2	14.3
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.4	±0.4	±0.4
Gain by Beam Tilt, average, dBi	0 ° 14.4 7 ° 14.4 14 ° 14.0	0 ° 14.4 7 ° 14.4 14 ° 13.9	0 ° 16.6 3 ° 16.6 7 ° 16.6	0 ° 17.4 3 ° 17.5 7 ° 17.4	0 ° 17.9 3 ° 18.0 7 ° 17.9			
Beamwidth, Horizontal Tolerance, degrees	±2.2	±3.4	±7.2	±4.6	±6.5	±6.6	±6.6	±6.6
Beamwidth, Vertical Tolerance, degrees	±0.8	±0.7	±0.3	±0.2	±0.3	±0.4	±0.4	±0.4

NHHSS-65B-R2B

USLS, beampeak to 20° above beampeak, dB	13	14	14	14	14	14	14	14
Front-to-Back Total Power at 180° ± 30°, dB	23	22	24	26	25	25	25	25
CPR at Boresight, dB	22	21	18	20	20	20	20	20
CPR at Sector, dB	10	6	6	6	5	5	5	5

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxxxxx1
B1	1695-2200	3-4	2	ANxxxxxxxxxxxxxxxxxx2
B2	1695-2200	5-6		
P1	3100-4200	7-8	n/a	n/a
P2	3100-4200	9-10	n/a	n/a

Left
Bottom
Right

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

General Specifications

Operating Frequency Band	1695 – 2200 MHz 3100 – 4200 MHz 698 – 896 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN

Mechanical Specifications

RF Connector Quantity, total	10
RF Connector Quantity, low band	2
RF Connector Quantity, high band	8
RF Connector Interface	4.3-10 Female
Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket

page 2 of 4
November 12, 2019

NHHSS-65B-R2B

Radiator Material	Aluminum Low loss circuit board
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	278.0 N @ 150 km/h 63.6 lbf @ 150 km/h
Wind Loading, lateral	230.0 N @ 150 km/h 51.7 lbf @ 150 km/h
Wind Loading, maximum	120.7 lbf @ 150 km/h
Effective Projected Area (EPA), frontal	0.26 m ² 2.80 ft ²
Effective Projected Area (EPA), lateral	0.22 m ² 2.37 ft ²
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	1828.0 mm 72.0 in
Width	301.0 mm 11.9 in
Depth	181.0 mm 7.1 in
Net Weight, without mounting kit	21.8 kg 48.1 lb

Remote Electrical Tilt (RET) Information

Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 Port 3
Internal RET	High band (1) Low band (1)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	10 W
Protocol	3GPP/AISG 2.0 (Single RET)
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male

Packed Dimensions

Length	1952.0 mm 76.9 in
Width	409.0 mm 16.1 in
Depth	299.0 mm 11.8 in
Shipping Weight	34.3 kg 75.6 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)



Included Products

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

* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance

SAMSUNG

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

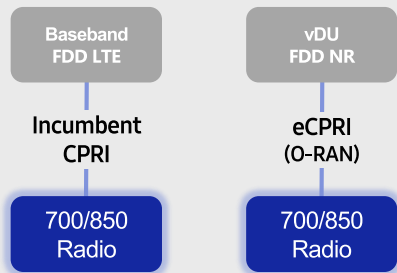


Youtube
www.youtube.com/samsung5g

Points of Differentiation

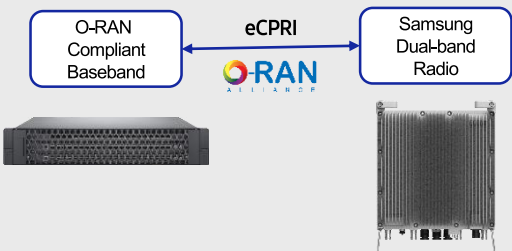
Continuous Migration

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

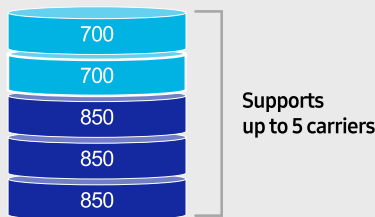
A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments. Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

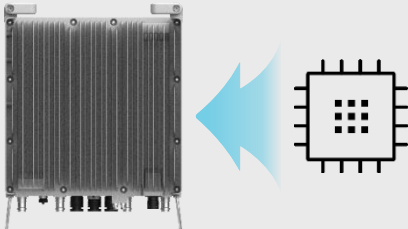
The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

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

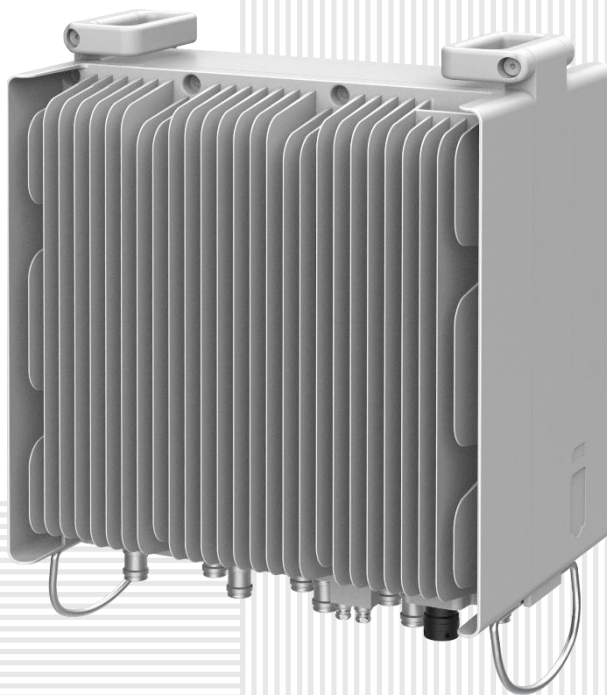
SAMSUNG

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.

Model Code RF4439d-25A



Homepage
samsungnetworks.com

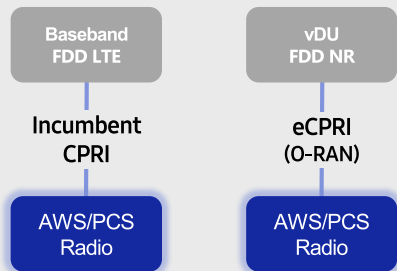


Youtube
www.youtube.com/samsung5g

Points of Differentiation

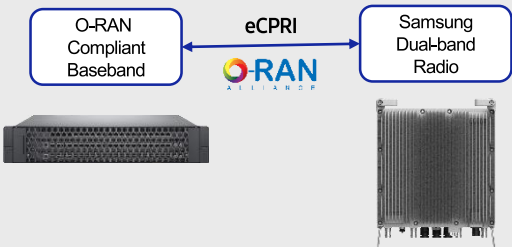
Continuous Migration

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

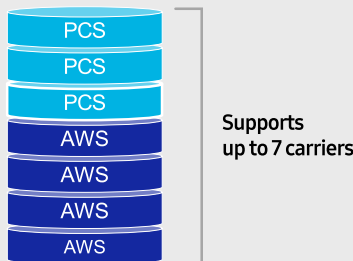
A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments. Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

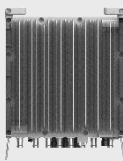
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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.



- 2 FH connectivity
- O-RAN capability
- More carriers and spectrum

Same as an incumbent radio volume

Technical Specifications

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

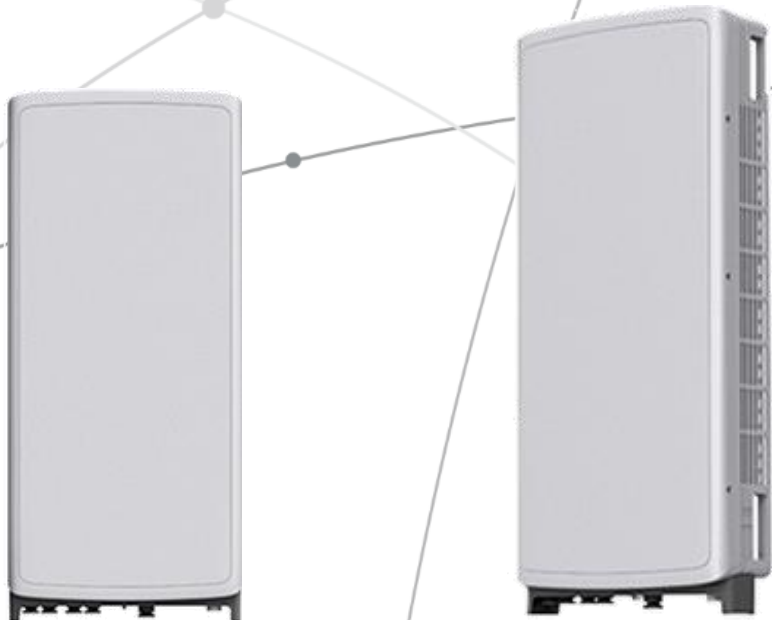
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



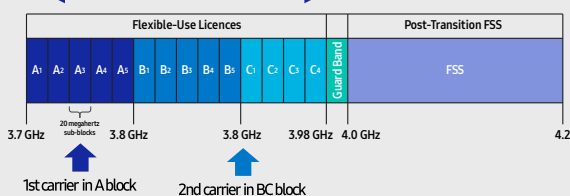
Points of Differentiation

Wide Bandwidth

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

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

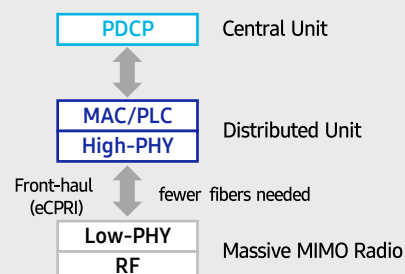
C-Band spectrum supported by Massive MIMO Radio



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.

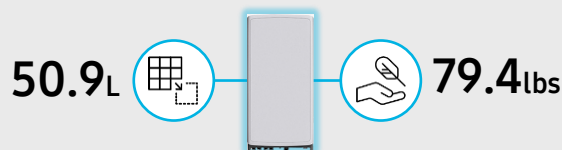
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

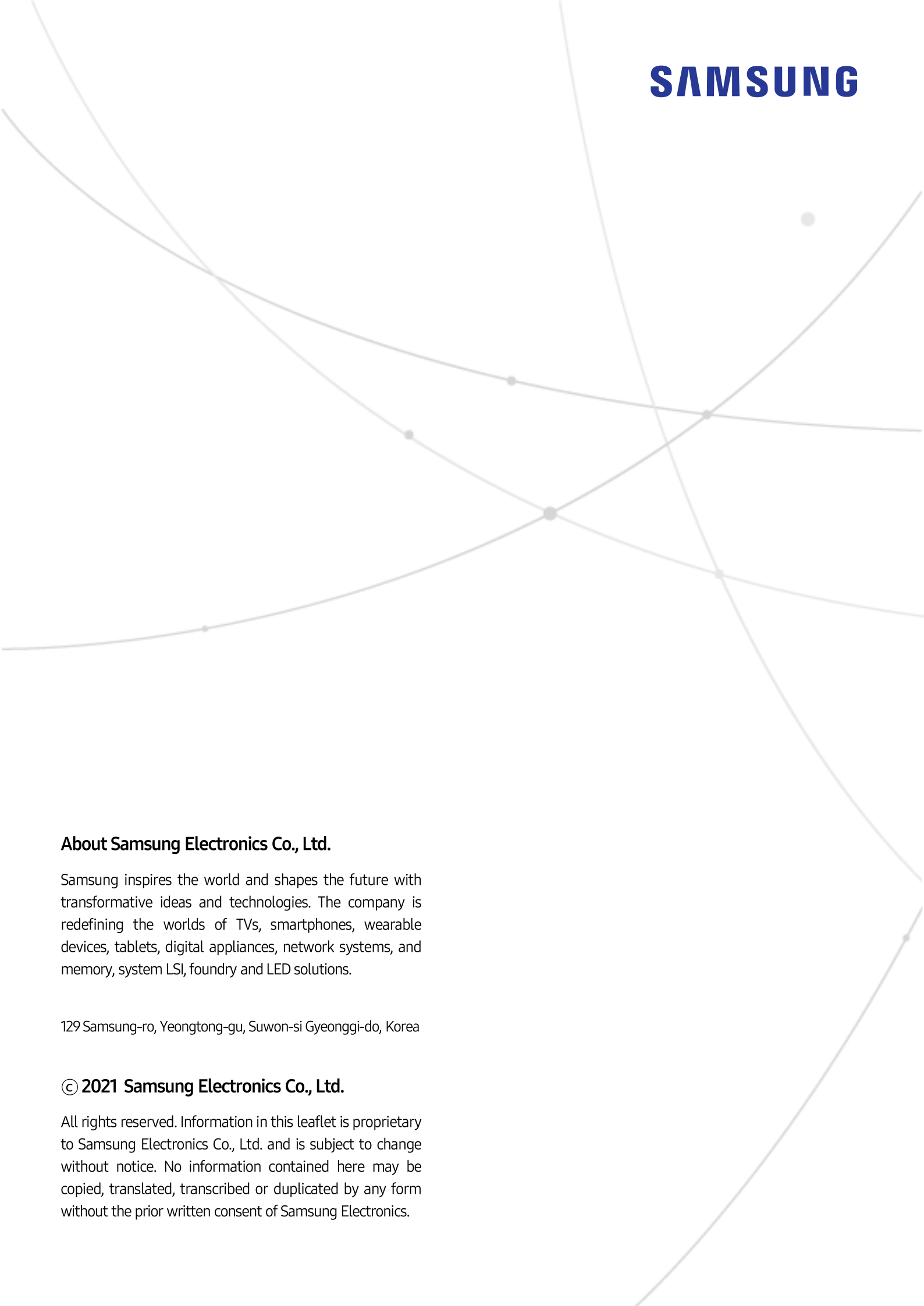
Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. Despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

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

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Specifications

The table below outlines the main specifications of the RRH.

Table 1. Specifications

Item	RT4401-48A
Air Technology	LTE
Band	Band 48 (3.5 GHz)
Operating Frequency (MHz)	3550 to 3700
RF Chain	4TX/4RX
Input Power	-48 V DC (-38 to -57 V DC, 1 SKU), with clip-on AC-DC converter (Option)
Dimension (W × D × H) (mm)	8.55 in. (217.4) × 4.15 in. (105.5) × 13.91 in. (353.5) * RRH only 11.39 in. (289.4) × 5.45 in. (138.5) × 16.16 in. (410.5) * with Clip-on antenna, AC-DC power unit
Cooling	Natural convection
Unwanted Emission	3GPP 36.104 Category A [B48]: FCC 47 CFR 96.41 e)
Spectrum Analyzer	TX/RX Support
Antenna Type	Integrated (Clip-on) antenna (Option), External antenna (Option)
Operating Humidity	5 to 100 [%] (RH), condensing, not to exceed 30 g/m ³ absolute humidity
Altitude	-60 to 1,800 m
Earthquake	Telcordia Earthquake Risk Zone4 (Telcordia GR-63-CORE)
Vibration in Use	Office Vibration
Transportation Vibration	Transportation Vibration
Noise	Fanless (natural convection cooling)
Wind Resistance	Telcordia GR-487-CORE, Section 3.34
EMC	FCC Title 47, CFR Part 96
Safety	UL 60950-1 2nd ED

Item	RT4401-48A
	UL 62368-1
	UL 60950-22
RF	FCC Title 47, CFR Part 96

The table below outlines the AC/DC power unit specifications of the RRH system.

ATTACHMENT 3

	General	Power	Density					
Site Name: Manchester 2 (Bolton)								
Tower Height: Verizon @ 137ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	FREQ.	CALC. POWER DENS	MAX. PERMISS.EXP.	FRACTION MPE	Total
*Sprint	12	100	117	851	0.035025094	0.567333333	0.62%	
*T-Mobile	2	2334	126.5	1900	0.115611431	1	1.16%	
*T-Mobile	4	1167	126.5	1900	0.115611431	1	1.16%	
*T-Mobile	1	865	126.5	700	0.021423284	0.466666667	0.46%	
*Pocket (now MetroPCS)	3	631	97	2130	0.082207578	1	0.82%	
*AT&T	1	2323	150	850	0.040287308	0.566666667	0.71%	
*AT&T	1	1663	150	1900	0.028841065	1	0.29%	
*AT&T	1	2951	150	700	0.051178582	0.466666667	1.10%	
*AT&T	1	3837	150	2100	0.066544297	1	0.67%	
*AT&T	1	1476	150	700	0.0256	0.466666667	0.55%	
*AT&T	1	3664	150	1900	0.0635	1	0.64%	
*AT&T	1	1000	150	850	0.0173	0.566666667	0.31%	
*AT&T	1	1000	150	850	0.0173	0.566666667	0.31%	
VZW 700	4	671	137	751	0.0051	0.5007	1.03%	
VZW CDMA	2	424	137	877.26	0.0016	0.5848	0.28%	
VZW PCS	4	1482	137	1975	0.0114	1.0000	1.14%	
VZW AWS	4	1396	137	2120	0.0107	1.0000	1.07%	
VZW CBRS	4	35	137	3530	0.0003	1.0000	0.03%	
VZW CBAND	2	21627	137	3730.08	0.0829	1.0000	8.29%	
								20.59%
* Source: Siting Council								

ATTACHMENT 4



Tower Engineering Solutions

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

Structural Analysis Report

Existing 140-ft Nudd Corporation Monopole Plus a Proposed 10-ft Extension

Customer Name: SBA Communications Corp

Customer Site Number: CT11558-A

Customer Site Name: Bolton 2, CT

Carrier Name: Verizon (App#: 171320, V1)

Carrier Site ID / Name: 468217 / Manchester 2 CT

Site Location: 12 Carpenter Road

Bolton, Connecticut

Tolland County

Latitude: 41.779083

Longitude: -72.465303

Analysis Result:

Max Structural Usage: 82.6% [Pass]

Max Foundation Usage: 74.0% [Pass]

Additional Usage Caused by Mount Modification: +2.7%



Report Prepared By: Morteza Shakeri



Tower Engineering Solutions

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Max Foundation Usage: 74.0% [Pass]

Additional Usage Caused by Mount Modification: +2.7%

Report Prepared By: Morteza Shakeri

Introduction

The purpose of this report is to summarize the analysis results on the 150 ft Nudd Corporation Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Fred A Nudd Corporation Project #207-13312, dated September 5, 2007
Foundation Drawing	Fred A Nudd Corporation Project #207-13312, dated September 5, 2007
Geotechnical Report	Subsurface Drilling & Remediation Co., Project # 02910, dated 7/24/07 & Original design soil parameters from Fred A. Nudd Corporation
Modification Drawings	TES, Job # 88988, dated 2/11/2020
Mount Analysis	Maser Consulting Connecticut MA, Job # 21777789A, dated 7/29/2021
Mount Modification Drawings	Maser Consulting Connecticut MMCD, Job # 21777789A, dated 7/29/2021

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed $V_{ult} = 125.0$ mph (3-Sec. Gust)/ Nominal Design Wind Speed $V_{asd} = 97.0$ mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	$S_S = 0.178$, $S_1 = 0.063$

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	150.0	3	Cci HPA65R-BU8A Panel	(1) Low Profile Platform [SitePro 1 RMQP-496-HK]	(12) 1 5/8" (1) 3" Conduit [House (1) 1/2" Fiber & (2) 3/4" DC] (4) 3/4" DC (1) 1/2" Fiber	AT&T
2		3	Cci TPA65R-BU8DA-K Panel			
3		3	Cci DMP65R-BU8DA Panel			
4		12	Powerwave LGP21401 TMA			
5		3	Ericsson RRUS 4478 B14			
6		3	Ericsson RRUS 4449 B5/B12			
7		3	Ericsson RRUS 8843 B2 B66A			
8		3	Raycap DC6-48-60-18-8F COVP			
9		1	Nokia 469358A GPS			
-	137.0	1	Antel - BXA-70063-4CF-EDIN-X - Panel	Low Profile Platform	(12) 1 5/8" (3) 1 5/8" Hybrid	Verizon
-		3	Antel - BXA-70063-6CF-2 - Panel			
-		2	Antel - BXA-70080-6BF - Panel			
-		1	DB-T1-6Z-8AB-0Z			
-		1	Generic GPS			
-		3	Alcatel-Lucent - RRH2x60-700U - TTA			
-		3	Alcatel-Lucent - RRH2X60-AWS - TTA			
-		3	Alcatel-Lucent -RRH2x60-PCS-TTA			
-		6	Andrew - SBNHH-1D65B - Panel			
19	126.5	3	Ericsson - AIR 21, 1.3M, B2A B4P - Panel	Low Profile Platform	(12) 1 5/8" (1) 1 5/8" Hybrid	T-Mobile
20		3	Ericsson - AIR 21, 1.3M, B4A B2P - Panel			
21		3	KRY 112 144/1			
22		3	Andrew - LNX-6515DS-A1M - Panel			
23		3	S11B12			

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
10	137.0	3	Commscope NHH-65B-R2B - Panel	Low Profile Platform w/ (1) Support Rail Kit [VZWSMART VZWSMART-PLK1], (3) Crossover Plate [VZWSMART VZWSMART-MSK2], (3) New Mount Pipe & (3) Side by Side Bracket [Commscope BSAMNT-SBS-1-2]	(12) 1 5/8" (3) 1 5/8" Hybrid (1) 1"	Verizon
11		3	Commscope NHHSS-65B-R2B - Panel			
12		3	Samsung MT6407-77A - Panel			
13		2	Antel - Ante BXA-70080-6BF-EDIN-0 - Panel			
14		1	Antel - BXA-70063-4CF-EDIN-0-FP - Panel			
15		3	Samsung LTE AWS/PCS RF4439D 25A - RRU			
16		3	Samsung LTE 700/850 MHz RF4440d-13A - RRU			
17		3	Samsung LTE CBRS RT4401 48A - RRU			
18		2	RFS DB-T1-6Z-8AB-0Z - OVP			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	82.6%	57.6%	56.5%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	3543.1	31.0	44.1

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.7558 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC**. Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.
2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.
3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.
4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 82.57% at 94.6ft

Structure: CT11558-A-SBA
Site Name: Bolton 2, CT
Height: 150.00 (ft)
Base Elev: 1.000 (ft)

Code: EIA/TIA-222-G
Exposure: C
Gh: 1.1

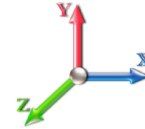
11/4/2021

Page: 1



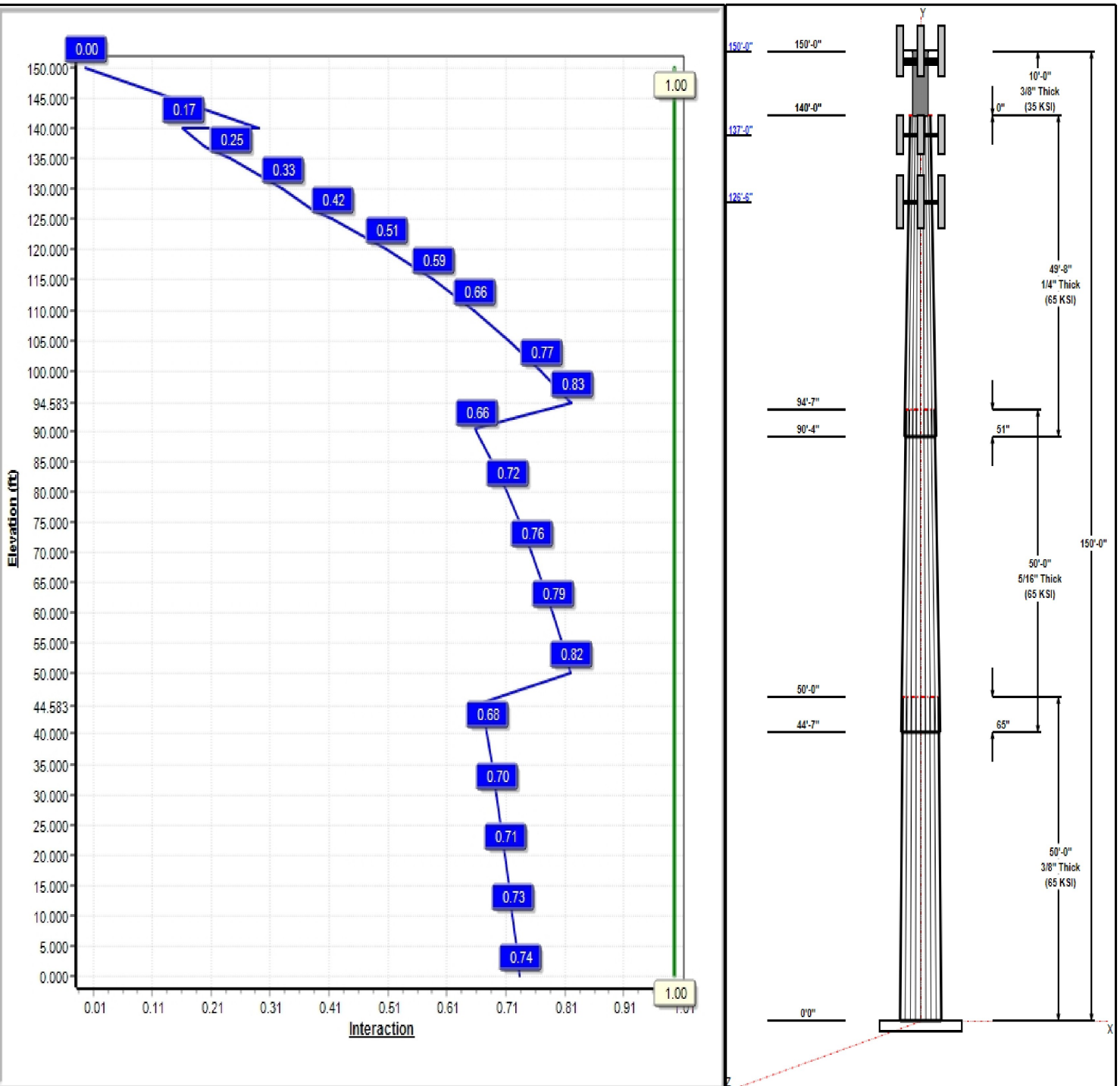
Dead Load Factor: 1.20
Wind Load Factor: 1.60

Load Case : 1.2D + 1.6W 97 mph Wind



Iterations: 24

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Structure: CT11558-A-SBA

Type: Custom
Site Name: Bolton 2, CT
Height: 150.00 (ft)
Base Elev: 1.00 (ft)

Base Shape: 18 Sided
Taper: 0.25256

11/4/2021

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Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	50.00	43.00	55.63	0.375		0.25256	65
2	50.00	32.36	44.99	0.313	Slip	0.25256	65
3	49.67	21.39	33.94	0.250	Slip	0.25256	65
4	10.00	18.00	18.00	0.375	Butt	0.00000	35

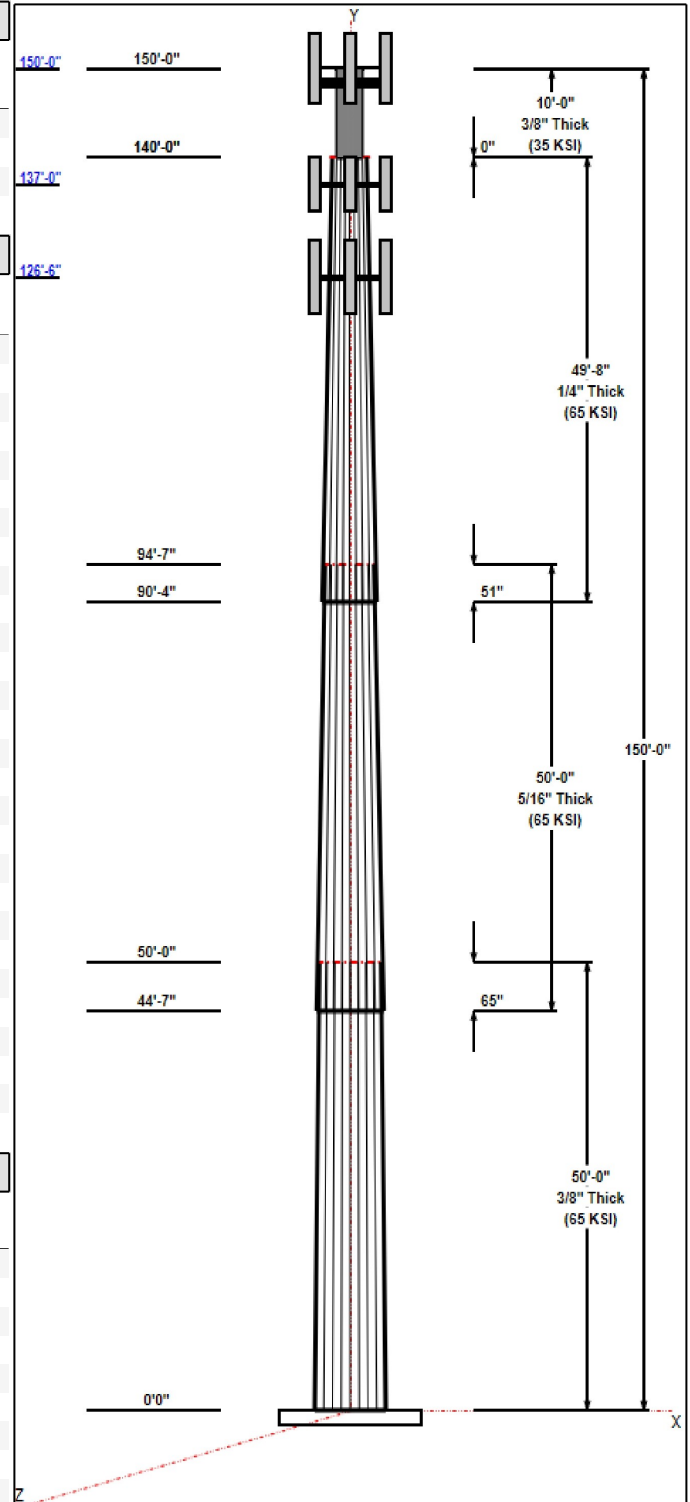
Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
150.00	150.00	12	LGP21401	AT&T
150.00	150.00	3	Raycap DC6-48-60-18-8F	AT&T
150.00	153.00	1	Lightning Rod	
150.00	150.00	1	Low Profile Platform	AT&T
150.00	150.00	1	Nokia 469358A GPS	AT&T
150.00	150.00	3	HPA65R-BU8A	AT&T
150.00	150.00	3	TPA65R-BU8DA-K	AT&T
150.00	150.00	3	DMP65R-BU8DA	AT&T
150.00	150.00	3	RRUS 4478 B14	AT&T
150.00	150.00	3	RRUS 4449 B5/B12	AT&T
150.00	150.00	3	RRUS 8843 B2 B66A	AT&T
137.00	137.00	2	BXA-70080-6BF	Verizon
137.00	137.00	1	BXA-70063-4CF-EDIN-X	Verizon
137.00	137.00	1	Low Profile Platform-flat	Verizon
137.00	137.00	2	DB-T1-6Z-8AB-0Z	Verizon
137.00	137.00	3	NHH-65B-R2B	Verizon
137.00	137.00	3	NHHSS-65B-R2B	Verizon
137.00	137.00	3	MT6407-77A	Verizon
137.00	137.00	1	MS-HRECP	Verizon
137.00	137.00	3	LTE AWS/PCS RF4439D	Verizon
137.00	137.00	3	LTE 700/850 MHz	Verizon
137.00	137.00	3	Samsung LTE CBRS	Verizon
126.50	126.50	3	S11B12	T-Mobile
126.50	126.50	3	AIR 21, 1.3M, B2A B4P	T-Mobile
126.50	126.50	3	AIR 21, 1.3M, B4A B2P	T-Mobile
126.50	126.50	3	KRY 112 144/1	T-Mobile
126.50	126.50	3	LNK-6515DS-A1M	T-Mobile
126.50	126.50	1	Low Profile Platform-flat	T-Mobile

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	150.00	Inside	1 5/8" Coax	AT&T
0.00	150.00	Inside	1/2" Fiber	AT&T
0.00	150.00	Inside	3" Conduit	AT&T
0.00	150.00	Inside	3/4" DC	AT&T
0.00	139.00	Inside	Safety Cable	
0.00	139.00	Inside	Step bolts (ladder)	
0.00	137.00	Inside	1 5/8" Coax	Verizon
0.00	137.00	Inside	1 5/8" Hybrid	Verizon
0.00	137.00	Inside	1"	Verizon
0.00	126.50	Inside	1 5/8" Coax	T-Mobile
0.00	126.50	Inside	1 5/8" Hybrid	T-Mobile

Anchor Bolts



Structure: CT11558-A-SBA

Type: Custom	Base Shape: 18 Sided	11/4/2021
Site Name: Bolton 2, CT	Taper: 0.00000	
Height: 150.00 (ft)		
Base Elev: 1.00 (ft)		Page: 3



Qty	Specifications	Grade (ksi)	Arrangement
20	2.00" F1554 105	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.5000	68.0	50.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 97 mph Wind	3543.1	31.0	44.1
0.9D + 1.6W 97 mph Wind	3499.2	31.0	33.0
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1081.3	9.3	76.5
1.2D + 1.0E	265.7	2.1	44.1
0.9D + 1.0E	262.1	2.1	33.1
1.0D + 1.0W 60 mph Wind	842.1	7.4	36.8

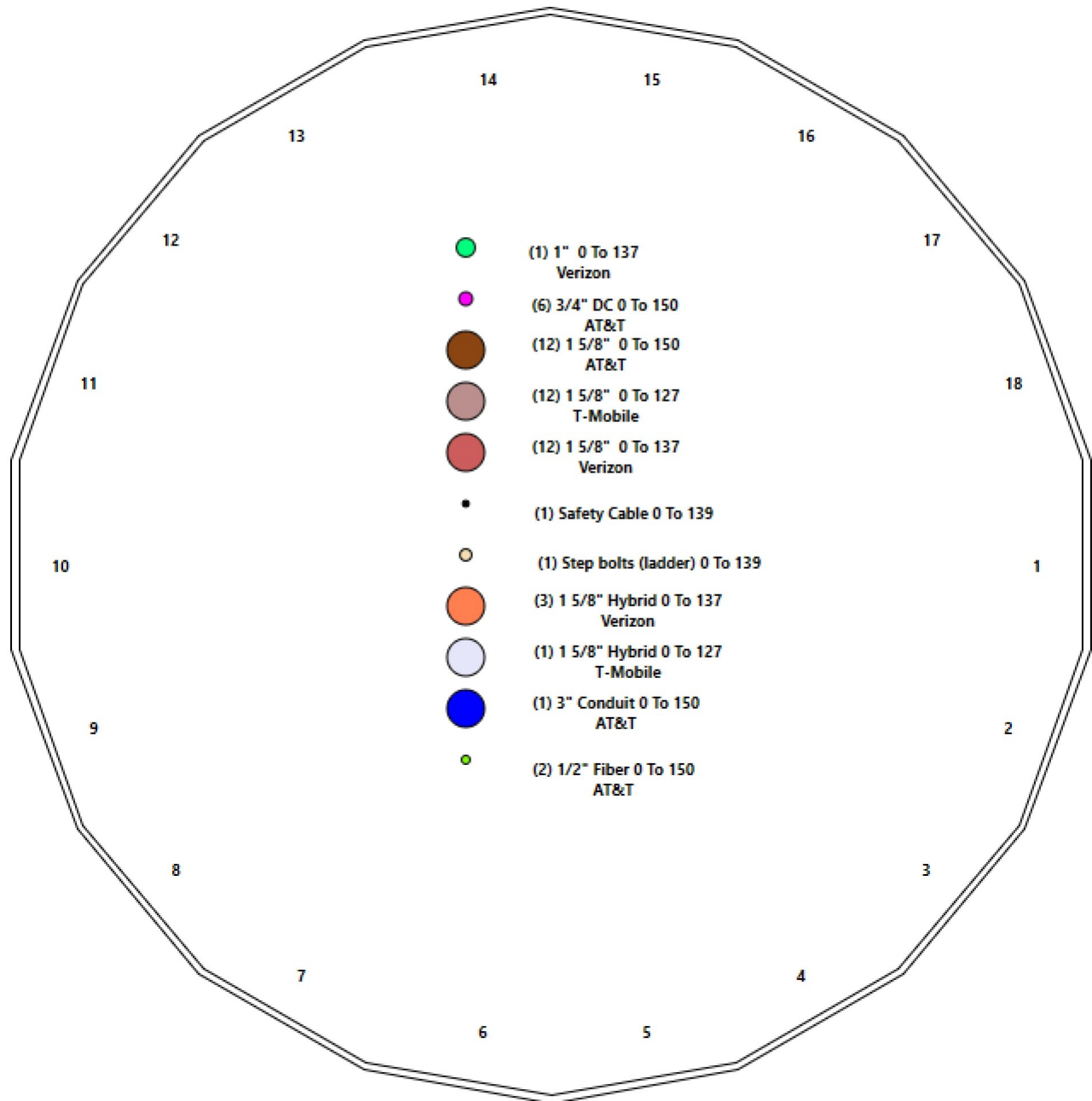
Structure: CT11558-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Bolton 2, CT
Height: 150.00 (ft)

11/4/2021



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Shaft Properties

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021	
Site Name: Bolton 2, CT	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 1.000 (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	50.000	0.3750	65		0.00	9,910
2	18	50.000	0.3125	65	Slip	65.00	6,474
3	18	49.667	0.2500	65	Slip	51.00	3,676
4	R	10.000	0.3750	35	Flange	0.00	707
Total Shaft Weight:							20,766

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	55.63	0.00	65.76	25361.36	24.74	148.33	43.00	50.00	50.73	11643.2	18.81	114.6	0.252562
2	44.99	44.58	44.31	11175.30	23.97	143.97	32.36	94.58	31.79	4125.27	16.85	103.5	0.252562
3	33.94	90.33	26.73	3831.80	22.52	135.74	21.39	140.00	16.78	947.29	13.68	85.57	0.252562
4	18.00	140.0	20.76	806.88	0.00	48.00	18.00	150.00	20.76	806.88	0.00	48.00	0.000000

Load Summary

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	150.00	LGP21401	12	14.10	1.29	0.50	47.46	2.405	0.50	0.00	0.00
2	150.00	Raycap DC6-48-60-18-8F COVP	3	32.80	0.92	0.67	117.88	1.504	0.67	0.00	0.00
3	150.00	Lightning Rod	1	5.00	0.50	1.00	32.94	2.829	1.00	0.00	3.00
4	150.00	Low Profile Platform [RMQP-496-HK]	1	2380.00	43.00	1.00	5705.10	83.050	1.00	0.00	0.00
5	150.00	Nokia 469358A GPS	1	1.30	0.06	0.67	5.80	0.276	0.67	0.00	0.00
6	150.00	HPA65R-BU8A	3	54.00	11.23	0.86	431.36	13.465	0.86	0.00	0.00
7	150.00	TPA65R-BU8DA-K	3	87.10	15.87	0.72	613.33	20.337	0.72	0.00	0.00
8	150.00	DMP65R-BU8DA	3	95.70	16.30	0.83	621.93	20.337	0.83	0.00	0.00
9	150.00	RRUS 4478 B14	3	59.40	1.65	0.67	114.73	2.342	0.67	0.00	0.00
10	150.00	RRUS 4449 B5/B12	3	73.00	1.97	0.67	146.23	2.700	0.67	0.00	0.00
11	150.00	RRUS 8843 B2 B66A	3	72.00	1.64	0.67	134.50	2.303	0.67	0.00	0.00
12	137.00	BXA-70080-6BF	2	18.00	5.76	0.87	185.51	8.897	0.87	0.00	0.00
13	137.00	BXA-70063-4CF-EDIN-X	1	9.90	4.72	0.73	144.57	7.164	0.73	0.00	0.00
14	137.00	Low Profile Platform-flat	1	1100.00	25.00	1.00	2369.20	52.692	1.00	0.00	0.00
15	137.00	DB-T1-6Z-8AB-0Z	2	44.00	4.80	0.67	245.17	5.980	0.67	0.00	0.00
16	137.00	NHH-65B-R2B	3	43.70	8.08	0.83	326.95	9.826	0.83	0.00	0.00
17	137.00	NHHSS-65B-R2B	3	48.10	8.08	0.83	331.35	9.826	0.83	0.00	0.00
18	137.00	MT6407-77A	3	79.40	4.69	0.70	248.37	5.962	0.70	0.00	0.00
19	137.00	MS-HRECP	1	514.00	12.25	1.00	1320.56	28.080	1.00	0.00	0.00
20	137.00	LTE AWS/PCS RF4439D 25A	3	74.70	1.87	0.67	184.02	2.652	0.67	0.00	0.00
21	137.00	LTE 700/850 MHz RF4440d-13A	3	70.30	1.87	0.67	174.96	2.652	0.67	0.00	0.00
22	137.00	Samsung LTE CBRS RT4401 48A	3	18.60	0.99	0.67	55.22	1.547	0.67	0.00	0.00
23	126.50	S11B12	3	50.70	2.52	0.67	176.12	3.398	0.67	0.00	0.00
24	126.50	AIR 21, 1.3M, B2A B4P	3	91.50	6.09	0.86	326.63	7.559	0.86	0.00	0.00
25	126.50	AIR 21, 1.3M, B4A B2P	3	90.40	6.09	0.86	325.53	7.559	0.86	0.00	0.00
26	126.50	KRY 112 144/1	3	11.00	0.41	0.67	25.14	1.033	0.67	0.00	0.00
27	126.50	LNx-6515DS-A1M	3	49.80	11.47	0.80	350.93	15.756	0.80	0.00	0.00
28	126.50	Low Profile Platform-flat	1	1100.00	25.00	1.00	2359.19	52.473	1.00	0.00	0.00
Totals:			77	8,710.00			27,483.78				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	150.00	(12) 1 5/8" Coax	0.00	Inside
0.00	150.00	(2) 1/2" Fiber	0.00	Inside
0.00	150.00	(1) 3" Conduit	0.00	Inside
0.00	150.00	(6) 3/4" DC	0.00	Inside
0.00	139.00	(1) Safety Cable	0.00	Inside
0.00	139.00	(1) Step bolts (ladder)	0.00	Inside
0.00	137.00	(12) 1 5/8" Coax	0.00	Inside
0.00	137.00	(3) 1 5/8" Hybrid	0.00	Inside
0.00	137.00	(1) 1"	0.00	Inside
0.00	126.50	(12) 1 5/8" Coax	0.00	Inside
0.00	126.50	(1) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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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	55.625	65.759	25361.4	24.74	148.33	72.3	898.0	0.0
5.00		0.3750	54.362	64.256	23661.8	24.15	144.97	73.0	857.3	1106.0
10.00		0.3750	53.099	62.753	22039.9	23.56	141.60	73.7	817.5	1080.5
15.00		0.3750	51.837	61.250	20493.9	22.96	138.23	74.4	778.7	1054.9
20.00		0.3750	50.574	59.747	19021.9	22.37	134.86	75.1	740.8	1029.3
25.00		0.3750	49.311	58.244	17622.2	21.78	131.50	75.8	703.9	1003.7
30.00		0.3750	48.048	56.741	16292.8	21.18	128.13	76.5	667.9	978.2
35.00		0.3750	46.785	55.238	15032.1	20.59	124.76	77.2	632.8	952.6
40.00		0.3750	45.523	53.735	13838.1	19.99	121.39	77.9	598.7	927.0
44.58	Bot - Section 2	0.3750	44.365	52.357	12800.8	19.45	118.31	78.5	568.3	827.3
45.00		0.3750	44.260	52.232	12709.1	19.40	118.03	78.6	565.6	136.9
50.00	Top - Section 1	0.3125	43.622	42.956	10179.8	23.20	139.59	0.0	0.0	1617.4
55.00		0.3125	42.359	41.703	9315.1	22.49	135.55	74.9	433.1	720.2
60.00		0.3125	41.096	40.451	8500.7	21.78	131.51	75.8	407.4	698.9
65.00		0.3125	39.833	39.198	7735.3	21.07	127.47	76.6	382.5	677.6
70.00		0.3125	38.571	37.946	7017.2	20.35	123.43	77.5	358.3	656.3
75.00		0.3125	37.308	36.693	6345.1	19.64	119.39	78.3	335.0	635.0
80.00		0.3125	36.045	35.441	5717.2	18.93	115.34	79.1	312.4	613.6
85.00		0.3125	34.782	34.188	5132.3	18.22	111.30	80.0	290.6	592.3
90.00		0.3125	33.519	32.936	4588.6	17.50	107.26	80.8	269.6	571.0
90.33	Bot - Section 3	0.3125	33.435	32.852	4553.8	17.46	106.99	80.9	268.3	37.3
94.58	Top - Section 2	0.2500	32.862	25.877	3477.0	21.77	131.45	0.0	0.0	847.8
95.00		0.2500	32.757	25.793	3443.5	21.69	131.03	75.9	207.1	36.6
100.00		0.2500	31.494	24.791	3057.6	20.80	125.98	76.9	191.2	430.3
105.00		0.2500	30.231	23.789	2701.6	19.91	120.92	78.0	176.0	413.3
110.00		0.2500	28.968	22.787	2374.4	19.02	115.87	79.0	161.4	396.2
115.00		0.2500	27.705	21.785	2074.8	18.13	110.82	80.1	147.5	379.2
120.00		0.2500	26.443	20.783	1801.4	17.24	105.77	81.1	134.2	362.1
125.00		0.2500	25.180	19.781	1553.2	16.35	100.72	82.2	121.5	345.1
126.50		0.2500	24.801	19.480	1483.5	16.08	99.20	82.5	117.8	100.2
130.00		0.2500	23.917	18.779	1329.0	15.46	95.67	82.5	109.4	227.8
135.00		0.2500	22.654	17.777	1127.4	14.57	90.62	82.5	98.0	311.0
137.00		0.2500	22.149	17.376	1052.8	14.21	88.60	82.5	93.6	119.6
140.00	Top - Section 3	0.2500	21.391	16.775	947.3	13.68	85.57	82.5	87.2	174.3
140.00	Bot - Section 4	0.3750	18.000	20.764	806.9	9.12	57.04	35.0	89.7	
145.00		0.3750	18.000	20.764	806.9	0.00	48.00	35.0	89.7	353.3
150.00		0.3750	18.000	20.764	806.9	0.00	48.00	35.0	89.7	353.3

20766.1

Wind Loading - Shaft

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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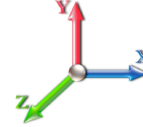


Load Case: 1.2D + 1.6W 97 mph Wind

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	19.450	21.40	420.94	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	411.38	0.650	0.000	5.00	23.267	15.12	517.7	0.0	1327.2
10.00		1.00	0.85	19.450	21.40	401.83	0.650	0.000	5.00	22.733	14.78	505.8	0.0	1296.5
15.00		1.00	0.86	19.690	21.66	394.68	0.650	0.000	5.00	22.199	14.43	500.1	0.0	1265.9
20.00		1.00	0.91	20.851	22.94	396.25	0.650	0.000	5.00	21.665	14.08	516.8	0.0	1235.2
25.00		1.00	0.95	21.810	23.99	395.14	0.650	0.000	5.00	21.130	13.73	527.2	0.0	1204.5
30.00		1.00	0.99	22.632	24.90	392.22	0.650	0.000	5.00	20.596	13.39	533.3	0.0	1173.8
35.00		1.00	1.02	23.356	25.69	387.97	0.650	0.000	5.00	20.062	13.04	536.0	0.0	1143.1
40.00		1.00	1.05	24.004	26.40	382.70	0.650	0.000	5.00	19.527	12.69	536.2	0.0	1112.4
44.58 Bot - Section 2		1.00	1.07	24.546	27.00	377.15	0.650	0.000	4.58	17.431	11.33	489.5	0.0	992.8
45.00		1.00	1.07	24.593	27.05	376.62	0.650	0.000	0.42	1.584	1.03	44.6	0.0	164.3
50.00 Top - Section 1		1.00	1.10	25.133	27.65	369.87	0.650	0.000	5.00	18.723	12.17	538.3	0.0	1940.9
55.00		1.00	1.12	25.633	28.20	367.99	0.650	0.000	5.00	18.189	11.82	533.4	0.0	864.2
60.00		1.00	1.14	26.099	28.71	360.24	0.650	0.000	5.00	17.655	11.48	527.1	0.0	838.7
65.00		1.00	1.16	26.535	29.19	352.08	0.650	0.000	5.00	17.120	11.13	519.7	0.0	813.1
70.00		1.00	1.18	26.946	29.64	343.55	0.650	0.000	5.00	16.586	10.78	511.3	0.0	787.5
75.00		1.00	1.19	27.335	30.07	334.69	0.650	0.000	5.00	16.052	10.43	502.0	0.0	761.9
80.00		1.00	1.21	27.704	30.47	325.54	0.650	0.000	5.00	15.518	10.09	491.8	0.0	736.4
85.00		1.00	1.23	28.056	30.86	316.12	0.650	0.000	5.00	14.983	9.74	480.9	0.0	710.8
90.00		1.00	1.24	28.391	31.23	306.46	0.650	0.000	5.00	14.449	9.39	469.3	0.0	685.2
90.33 Bot - Section 3		1.00	1.24	28.413	31.25	305.81	0.650	0.000	0.33	0.944	0.61	30.7	0.0	44.8
94.58 Top - Section 2		1.00	1.25	28.687	31.56	297.41	0.650	0.000	4.25	12.011	7.81	394.2	0.0	1017.3
95.00		1.00	1.25	28.713	31.58	301.18	0.650	0.000	0.42	1.157	0.75	38.0	0.0	44.0
100.00		1.00	1.27	29.021	31.92	291.12	0.650	0.000	5.00	13.592	8.83	451.3	0.0	516.4
105.00		1.00	1.28	29.318	32.25	280.87	0.650	0.000	5.00	13.058	8.49	438.0	0.0	495.9
110.00		1.00	1.29	29.604	32.56	270.45	0.650	0.000	5.00	12.523	8.14	424.1	0.0	475.5
115.00		1.00	1.31	29.880	32.87	259.86	0.650	0.000	5.00	11.989	7.79	409.8	0.0	455.0
120.00		1.00	1.32	30.147	33.16	249.12	0.650	0.000	5.00	11.455	7.45	395.1	0.0	434.5
125.00		1.00	1.33	30.405	33.45	238.24	0.650	0.000	5.00	10.921	7.10	379.8	0.0	414.1
126.50 Appurtenance(s)		1.00	1.33	30.481	33.53	234.94	0.650	0.000	1.50	3.172	2.06	110.6	0.0	120.2
130.00		1.00	1.34	30.655	33.72	227.22	0.650	0.000	3.50	7.214	4.69	253.0	0.0	273.4
135.00		1.00	1.35	30.898	33.99	216.07	0.650	0.000	5.00	9.852	6.40	348.2	0.0	373.2
137.00 Appurtenance(s)		1.00	1.35	30.993	34.09	211.58	0.650	0.000	2.00	3.791	2.46	134.4	0.0	143.5
140.00 Top - Section 3		1.00	1.36	31.133	34.25	204.80	0.650	0.000	3.00	5.527	3.59	196.8	0.0	209.2
145.00		1.00	1.37	31.362	34.50	170.34	0.600	0.000	5.00	7.500	4.50	248.4	0.0	423.9
150.00 Appurtenance(s)		1.00	1.38	31.586	34.74	170.94	0.600	0.000	5.00	7.500	4.50	250.2	0.0	423.9
Totals:									150.00			13,783.5		24,919.3

Discrete Appurtenance Forces

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

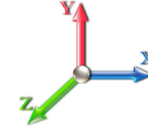


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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Nokia 469358A GPS	1	31.586	34.744	0.60	0.90	0.04	1.56	0.000	0.000	2.01	0.00	0.00
2	150.00	LGP21401	12	31.586	34.744	0.45	0.90	6.97	203.04	0.000	0.000	387.24	0.00	0.00
3	150.00	Raycap DC6-48-60-18-8F	3	31.586	34.744	0.60	0.90	1.66	118.08	0.000	0.000	92.52	0.00	0.00
4	150.00	Lightning Rod	1	31.717	34.888	1.00	1.00	0.50	6.00	0.000	3.000	27.91	0.00	83.73
5	150.00	Low Profile Platform	1	31.586	34.744	1.00	1.00	43.00	2856.00	0.000	0.000	2390.40	0.00	0.00
6	150.00	RRUS 8843 B2 B66A	3	31.586	34.744	0.60	0.90	2.97	259.20	0.000	0.000	164.92	0.00	0.00
7	150.00	HPA65R-BU8A	3	31.586	34.744	0.65	0.75	21.73	194.40	0.000	0.000	1207.99	0.00	0.00
8	150.00	TPA65R-BU8DA-K	3	31.586	34.744	0.54	0.75	25.71	313.56	0.000	0.000	1429.20	0.00	0.00
9	150.00	DMP65R-BU8DA	3	31.586	34.744	0.62	0.75	30.44	344.52	0.000	0.000	1692.19	0.00	0.00
10	150.00	RRUS 4478 B14	3	31.586	34.744	0.60	0.90	2.98	213.84	0.000	0.000	165.93	0.00	0.00
11	150.00	RRUS 4449 B5/B12	3	31.586	34.744	0.60	0.90	3.56	262.80	0.000	0.000	198.11	0.00	0.00
12	137.00	Samsung LTE CBRS	3	30.993	34.092	0.50	0.75	1.49	66.96	0.000	0.000	81.41	0.00	0.00
13	137.00	LTE 700/850 MHz	3	30.993	34.092	0.50	0.75	2.82	253.08	0.000	0.000	153.77	0.00	0.00
14	137.00	LTE AWS/PCS RF4439D	3	30.993	34.092	0.50	0.75	2.82	268.92	0.000	0.000	153.77	0.00	0.00
15	137.00	MS-HRECP	1	30.993	34.092	1.00	1.00	12.25	616.80	0.000	0.000	668.20	0.00	0.00
16	137.00	Low Profile Platform-flat	1	30.993	34.092	1.00	1.00	25.00	1320.00	0.000	0.000	1363.67	0.00	0.00
17	137.00	BXA-70080-6BF	2	30.993	34.092	0.65	0.75	7.52	43.20	0.000	0.000	410.02	0.00	0.00
18	137.00	BXA-70063-4CF-EDIN-X	1	30.993	34.092	0.55	0.75	2.58	11.88	0.000	0.000	140.96	0.00	0.00
19	137.00	MT6407-77A	3	30.993	34.092	0.52	0.75	7.39	285.84	0.000	0.000	402.93	0.00	0.00
20	137.00	DB-T1-6Z-8AB-0Z	2	30.993	34.092	0.50	0.75	4.82	105.60	0.000	0.000	263.13	0.00	0.00
21	137.00	NHH-65B-R2B	3	30.993	34.092	0.62	0.75	15.09	157.32	0.000	0.000	823.08	0.00	0.00
22	137.00	NHHSS-65B-R2B	3	30.993	34.092	0.62	0.75	15.09	173.16	0.000	0.000	823.08	0.00	0.00
23	126.50	Low Profile Platform-flat	1	30.481	33.529	1.00	1.00	25.00	1320.00	0.000	0.000	1341.14	0.00	0.00
24	126.50	LNx-6515DS-A1M	3	30.481	33.529	0.64	0.80	22.02	179.28	0.000	0.000	1181.41	0.00	0.00
25	126.50	KRY 112 144/1	3	30.481	33.529	0.54	0.80	0.66	39.60	0.000	0.000	35.37	0.00	0.00
26	126.50	AIR 21, 1.3M, B4A B2P	3	30.481	33.529	0.69	0.80	12.57	325.44	0.000	0.000	674.31	0.00	0.00
27	126.50	AIR 21, 1.3M, B2A B4P	3	30.481	33.529	0.69	0.80	12.57	329.40	0.000	0.000	674.31	0.00	0.00
28	126.50	S11B12	3	30.481	33.529	0.54	0.80	4.05	182.52	0.000	0.000	217.38	0.00	0.00

Totals: 10,452.00

17,166.39

Total Applied Force Summary

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021	
Site Name: Bolton 2, CT	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 10

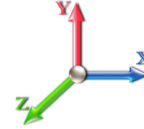


Load Case: 1.2D + 1.6W 97 mph Wind

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		517.73	1643.33	0.00	0.00
10.00		505.84	1612.65	0.00	0.00
15.00		500.05	1581.96	0.00	0.00
20.00		516.77	1551.27	0.00	0.00
25.00		527.20	1520.59	0.00	0.00
30.00		533.26	1489.90	0.00	0.00
35.00		536.04	1459.22	0.00	0.00
40.00		536.24	1428.53	0.00	0.00
44.58		489.47	1282.53	0.00	0.00
45.00		44.58	190.62	0.00	0.00
50.00		538.34	2256.96	0.00	0.00
55.00		533.38	1180.33	0.00	0.00
60.00		527.11	1154.76	0.00	0.00
65.00		519.71	1129.19	0.00	0.00
70.00		511.29	1103.61	0.00	0.00
75.00		501.96	1078.04	0.00	0.00
80.00		491.81	1052.47	0.00	0.00
85.00		480.90	1026.90	0.00	0.00
90.00		469.30	1001.33	0.00	0.00
90.33		30.69	65.85	0.00	0.00
94.58		394.18	1286.03	0.00	0.00
95.00		38.00	70.30	0.00	0.00
100.00		451.26	832.48	0.00	0.00
105.00		437.96	812.02	0.00	0.00
110.00		424.13	791.56	0.00	0.00
115.00		409.82	771.10	0.00	0.00
120.00		395.05	750.65	0.00	0.00
125.00		379.85	730.19	0.00	0.00
126.50	(16) attachments	4234.53	2591.31	0.00	0.00
130.00		253.00	437.63	0.00	0.00
135.00		348.24	607.79	0.00	0.00
137.00	(25) attachments	5418.44	3540.15	0.00	0.00
140.00		196.83	272.84	0.00	0.00
145.00		248.39	524.79	0.00	0.00
150.00	(36) attachments	8008.59	5297.79	0.00	83.73
Totals:		30,949.93	44,126.66	0.00	83.73

Calculated Forces

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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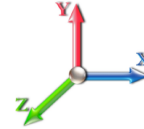


Load Case: 1.2D + 1.6W 97 mph Wind

Iterations 24

Dead Load Factor 1.20

Wind Load Factor 1.60



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	-44.07	-31.03	0.00	-3543.1	0.00	3543.14	4278.74	2139.37	9724.09	4869.27	0.00	0.000	0.000	0.738
5.00	-42.33	-30.65	0.00	-3388.0	0.00	3388.02	4221.33	2110.67	9372.87	4693.40	0.10	-0.194	0.000	0.732
10.00	-40.61	-30.28	0.00	-3234.7	0.00	3234.76	4162.04	2081.02	9023.55	4518.48	0.42	-0.393	0.000	0.726
15.00	-38.92	-29.91	0.00	-3083.3	0.00	3083.37	4100.85	2050.42	8676.44	4344.67	0.94	-0.597	0.000	0.719
20.00	-37.27	-29.51	0.00	-2933.8	0.00	2933.84	4037.77	2018.89	8331.83	4172.11	1.67	-0.806	0.000	0.713
25.00	-35.65	-29.09	0.00	-2786.3	0.00	2786.30	3972.80	1986.40	7990.02	4000.95	2.63	-1.020	0.000	0.706
30.00	-34.06	-28.66	0.00	-2640.8	0.00	2640.84	3905.95	1952.97	7651.31	3831.34	3.82	-1.239	0.000	0.698
35.00	-32.50	-28.22	0.00	-2497.5	0.00	2497.53	3837.20	1918.60	7315.98	3663.43	5.24	-1.463	0.000	0.690
40.00	-30.98	-27.77	0.00	-2356.4	0.00	2356.44	3766.57	1883.28	6984.34	3497.36	6.89	-1.693	0.000	0.682
44.58	-29.66	-27.30	0.00	-2229.1	0.00	2229.18	3700.16	1850.08	6683.83	3346.88	8.62	-1.909	0.000	0.674
45.00	-29.41	-27.31	0.00	-2217.8	0.00	2217.81	3694.04	1847.02	6656.69	3333.29	8.79	-1.930	0.000	0.674
50.00	-27.06	-26.81	0.00	-2081.2	0.00	2081.24	2865.12	1432.56	5102.00	2554.79	10.94	-2.170	0.000	0.824
55.00	-25.78	-26.35	0.00	-1947.2	0.00	1947.20	2813.03	1406.52	4862.15	2434.69	13.35	-2.416	0.000	0.809
60.00	-24.51	-25.90	0.00	-1815.4	0.00	1815.45	2759.06	1379.53	4624.57	2315.72	16.03	-2.704	0.000	0.793
65.00	-23.28	-25.44	0.00	-1685.9	0.00	1685.97	2703.19	1351.60	4389.57	2198.05	19.02	-2.997	0.000	0.776
70.00	-22.08	-24.99	0.00	-1558.7	0.00	1558.76	2645.44	1322.72	4157.45	2081.81	22.32	-3.295	0.000	0.757
75.00	-20.90	-24.53	0.00	-1433.8	0.00	1433.83	2585.79	1292.90	3928.50	1967.17	25.93	-3.598	0.000	0.737
80.00	-19.75	-24.08	0.00	-1311.1	0.00	1311.17	2524.26	1262.13	3703.01	1854.26	29.86	-3.906	0.000	0.715
85.00	-18.63	-23.63	0.00	-1190.7	0.00	1190.77	2460.84	1230.42	3481.29	1743.23	34.12	-4.217	0.000	0.691
90.00	-17.60	-23.14	0.00	-1072.6	0.00	1072.62	2395.53	1197.76	3263.62	1634.24	38.70	-4.531	0.000	0.664
90.33	-17.48	-23.15	0.00	-1064.9	0.00	1064.91	2391.11	1195.55	3249.26	1627.05	39.01	-4.553	0.000	0.662
94.58	-16.17	-22.69	0.00	-966.54	0.00	966.54	1765.27	882.63	2365.96	1184.74	43.19	-4.823	0.000	0.826
95.00	-16.03	-22.70	0.00	-957.09	0.00	957.09	1761.60	880.80	2353.37	1178.43	43.61	-4.850	0.000	0.822
100.00	-15.09	-22.28	0.00	-843.58	0.00	843.58	1716.54	858.27	2203.40	1103.34	48.88	-5.222	0.000	0.774
105.00	-14.19	-21.86	0.00	-732.19	0.00	732.19	1669.59	834.79	2055.83	1029.44	54.54	-5.589	0.000	0.720
110.00	-13.31	-21.44	0.00	-622.92	0.00	622.92	1620.75	810.37	1910.94	956.89	60.58	-5.946	0.000	0.660
115.00	-12.47	-21.02	0.00	-515.74	0.00	515.74	1570.02	785.01	1769.02	885.83	66.98	-6.287	0.000	0.591
120.00	-11.66	-20.60	0.00	-410.66	0.00	410.66	1517.40	758.70	1630.39	816.40	73.73	-6.604	0.000	0.511
125.00	-10.92	-20.17	0.00	-307.65	0.00	307.65	1462.89	731.45	1495.32	748.77	80.79	-6.888	0.000	0.419
126.50	-8.82	-15.68	0.00	-277.39	0.00	277.39	1446.17	723.09	1455.54	728.85	82.96	-6.968	0.000	0.387
130.00	-8.37	-15.40	0.00	-222.52	0.00	222.52	1395.19	697.59	1353.16	677.59	88.12	-7.136	0.000	0.335
135.00	-7.78	-14.99	0.00	-145.53	0.00	145.53	1320.75	660.37	1211.90	606.85	95.69	-7.333	0.000	0.246
137.00	-4.95	-9.17	0.00	-115.54	0.00	115.54	1290.97	645.48	1157.57	579.65	98.77	-7.399	0.000	0.203
140.00	-4.69	-8.95	0.00	-88.03	0.00	88.03	1246.30	623.15	1078.42	540.01	103.43	-7.481	0.000	0.167
140.00	-4.69	-8.95	0.00	-88.03	0.00	88.03	654.06	327.03	470.04	305.83	103.43	-7.481	0.000	0.296
145.00	-4.19	-8.64	0.00	-43.28	0.00	43.28	654.06	327.03	470.04	305.83	111.30	-7.580	0.000	0.149
150.00	0.00	-8.01	0.00	-0.08	0.00	0.08	654.06	327.03	470.04	305.83	119.25	-7.618	0.000	0.001

Wind Loading - Shaft

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 12

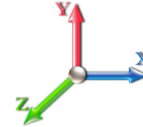


Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	19.450	21.40	420.94	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	411.38	0.650	0.000	5.00	23.267	15.12	517.7	0.0	995.4
10.00		1.00	0.85	19.450	21.40	401.83	0.650	0.000	5.00	22.733	14.78	505.8	0.0	972.4
15.00		1.00	0.86	19.690	21.66	394.68	0.650	0.000	5.00	22.199	14.43	500.1	0.0	949.4
20.00		1.00	0.91	20.851	22.94	396.25	0.650	0.000	5.00	21.665	14.08	516.8	0.0	926.4
25.00		1.00	0.95	21.810	23.99	395.14	0.650	0.000	5.00	21.130	13.73	527.2	0.0	903.4
30.00		1.00	0.99	22.632	24.90	392.22	0.650	0.000	5.00	20.596	13.39	533.3	0.0	880.4
35.00		1.00	1.02	23.356	25.69	387.97	0.650	0.000	5.00	20.062	13.04	536.0	0.0	857.3
40.00		1.00	1.05	24.004	26.40	382.70	0.650	0.000	5.00	19.527	12.69	536.2	0.0	834.3
44.58 Bot - Section 2		1.00	1.07	24.546	27.00	377.15	0.650	0.000	4.58	17.431	11.33	489.5	0.0	744.6
45.00		1.00	1.07	24.593	27.05	376.62	0.650	0.000	0.42	1.584	1.03	44.6	0.0	123.2
50.00 Top - Section 1		1.00	1.10	25.133	27.65	369.87	0.650	0.000	5.00	18.723	12.17	538.3	0.0	1455.6
55.00		1.00	1.12	25.633	28.20	367.99	0.650	0.000	5.00	18.189	11.82	533.4	0.0	648.2
60.00		1.00	1.14	26.099	28.71	360.24	0.650	0.000	5.00	17.655	11.48	527.1	0.0	629.0
65.00		1.00	1.16	26.535	29.19	352.08	0.650	0.000	5.00	17.120	11.13	519.7	0.0	609.8
70.00		1.00	1.18	26.946	29.64	343.55	0.650	0.000	5.00	16.586	10.78	511.3	0.0	590.6
75.00		1.00	1.19	27.335	30.07	334.69	0.650	0.000	5.00	16.052	10.43	502.0	0.0	571.5
80.00		1.00	1.21	27.704	30.47	325.54	0.650	0.000	5.00	15.518	10.09	491.8	0.0	552.3
85.00		1.00	1.23	28.056	30.86	316.12	0.650	0.000	5.00	14.983	9.74	480.9	0.0	533.1
90.00		1.00	1.24	28.391	31.23	306.46	0.650	0.000	5.00	14.449	9.39	469.3	0.0	513.9
90.33 Bot - Section 3		1.00	1.24	28.413	31.25	305.81	0.650	0.000	0.33	0.944	0.61	30.7	0.0	33.6
94.58 Top - Section 2		1.00	1.25	28.687	31.56	297.41	0.650	0.000	4.25	12.011	7.81	394.2	0.0	763.0
95.00		1.00	1.25	28.713	31.58	301.18	0.650	0.000	0.42	1.157	0.75	38.0	0.0	33.0
100.00		1.00	1.27	29.021	31.92	291.12	0.650	0.000	5.00	13.592	8.83	451.3	0.0	387.3
105.00		1.00	1.28	29.318	32.25	280.87	0.650	0.000	5.00	13.058	8.49	438.0	0.0	371.9
110.00		1.00	1.29	29.604	32.56	270.45	0.650	0.000	5.00	12.523	8.14	424.1	0.0	356.6
115.00		1.00	1.31	29.880	32.87	259.86	0.650	0.000	5.00	11.989	7.79	409.8	0.0	341.3
120.00		1.00	1.32	30.147	33.16	249.12	0.650	0.000	5.00	11.455	7.45	395.1	0.0	325.9
125.00		1.00	1.33	30.405	33.45	238.24	0.650	0.000	5.00	10.921	7.10	379.8	0.0	310.6
126.50 Appurtenance(s)		1.00	1.33	30.481	33.53	234.94	0.650	0.000	1.50	3.172	2.06	110.6	0.0	90.2
130.00		1.00	1.34	30.655	33.72	227.22	0.650	0.000	3.50	7.214	4.69	253.0	0.0	205.0
135.00		1.00	1.35	30.898	33.99	216.07	0.650	0.000	5.00	9.852	6.40	348.2	0.0	279.9
137.00 Appurtenance(s)		1.00	1.35	30.993	34.09	211.58	0.650	0.000	2.00	3.791	2.46	134.4	0.0	107.7
140.00 Top - Section 3		1.00	1.36	31.133	34.25	204.80	0.650	0.000	3.00	5.527	3.59	196.8	0.0	156.9
145.00		1.00	1.37	31.362	34.50	170.34	0.600	0.000	5.00	7.500	4.50	248.4	0.0	317.9
150.00 Appurtenance(s)		1.00	1.38	31.586	34.74	170.94	0.600	0.000	5.00	7.500	4.50	250.2	0.0	317.9
Totals:									150.00			13,783.5		18,689.5

Discrete Appurtenance Forces

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

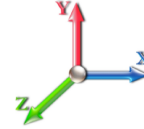


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Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Nokia 469358A GPS	1	31.586	34.744	0.60	0.90	0.04	1.17	0.000	0.000	2.01	0.00	0.00
2	150.00	LGP21401	12	31.586	34.744	0.45	0.90	6.97	152.28	0.000	0.000	387.24	0.00	0.00
3	150.00	Raycap DC6-48-60-18-8F	3	31.586	34.744	0.60	0.90	1.66	88.56	0.000	0.000	92.52	0.00	0.00
4	150.00	Lightning Rod	1	31.717	34.888	1.00	1.00	0.50	4.50	0.000	3.000	27.91	0.00	83.73
5	150.00	Low Profile Platform	1	31.586	34.744	1.00	1.00	43.00	2142.00	0.000	0.000	2390.40	0.00	0.00
6	150.00	RRUS 8843 B2 B66A	3	31.586	34.744	0.60	0.90	2.97	194.40	0.000	0.000	164.92	0.00	0.00
7	150.00	HPA65R-BU8A	3	31.586	34.744	0.65	0.75	21.73	145.80	0.000	0.000	1207.99	0.00	0.00
8	150.00	TPA65R-BU8DA-K	3	31.586	34.744	0.54	0.75	25.71	235.17	0.000	0.000	1429.20	0.00	0.00
9	150.00	DMP65R-BU8DA	3	31.586	34.744	0.62	0.75	30.44	258.39	0.000	0.000	1692.19	0.00	0.00
10	150.00	RRUS 4478 B14	3	31.586	34.744	0.60	0.90	2.98	160.38	0.000	0.000	165.93	0.00	0.00
11	150.00	RRUS 4449 B5/B12	3	31.586	34.744	0.60	0.90	3.56	197.10	0.000	0.000	198.11	0.00	0.00
12	137.00	Samsung LTE CBRS	3	30.993	34.092	0.50	0.75	1.49	50.22	0.000	0.000	81.41	0.00	0.00
13	137.00	LTE 700/850 MHz	3	30.993	34.092	0.50	0.75	2.82	189.81	0.000	0.000	153.77	0.00	0.00
14	137.00	LTE AWS/PCS RF4439D	3	30.993	34.092	0.50	0.75	2.82	201.69	0.000	0.000	153.77	0.00	0.00
15	137.00	MS-HRECP	1	30.993	34.092	1.00	1.00	12.25	462.60	0.000	0.000	668.20	0.00	0.00
16	137.00	Low Profile Platform-flat	1	30.993	34.092	1.00	1.00	25.00	990.00	0.000	0.000	1363.67	0.00	0.00
17	137.00	BXA-70080-6BF	2	30.993	34.092	0.65	0.75	7.52	32.40	0.000	0.000	410.02	0.00	0.00
18	137.00	BXA-70063-4CF-EDIN-X	1	30.993	34.092	0.55	0.75	2.58	8.91	0.000	0.000	140.96	0.00	0.00
19	137.00	MT6407-77A	3	30.993	34.092	0.52	0.75	7.39	214.38	0.000	0.000	402.93	0.00	0.00
20	137.00	DB-T1-6Z-8AB-0Z	2	30.993	34.092	0.50	0.75	4.82	79.20	0.000	0.000	263.13	0.00	0.00
21	137.00	NHH-65B-R2B	3	30.993	34.092	0.62	0.75	15.09	117.99	0.000	0.000	823.08	0.00	0.00
22	137.00	NHHSS-65B-R2B	3	30.993	34.092	0.62	0.75	15.09	129.87	0.000	0.000	823.08	0.00	0.00
23	126.50	Low Profile Platform-flat	1	30.481	33.529	1.00	1.00	25.00	990.00	0.000	0.000	1341.14	0.00	0.00
24	126.50	LNx-6515DS-A1M	3	30.481	33.529	0.64	0.80	22.02	134.46	0.000	0.000	1181.41	0.00	0.00
25	126.50	KRY 112 144/1	3	30.481	33.529	0.54	0.80	0.66	29.70	0.000	0.000	35.37	0.00	0.00
26	126.50	AIR 21, 1.3M, B4A B2P	3	30.481	33.529	0.69	0.80	12.57	244.08	0.000	0.000	674.31	0.00	0.00
27	126.50	AIR 21, 1.3M, B2A B4P	3	30.481	33.529	0.69	0.80	12.57	247.05	0.000	0.000	674.31	0.00	0.00
28	126.50	S11B12	3	30.481	33.529	0.54	0.80	4.05	136.89	0.000	0.000	217.38	0.00	0.00

Totals: 7,839.00

17,166.39

Total Applied Force Summary

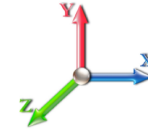
Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021	
Site Name: Bolton 2, CT	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 14



Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		517.73	1232.50	0.00	0.00
10.00		505.84	1209.49	0.00	0.00
15.00		500.05	1186.47	0.00	0.00
20.00		516.77	1163.46	0.00	0.00
25.00		527.20	1140.44	0.00	0.00
30.00		533.26	1117.43	0.00	0.00
35.00		536.04	1094.41	0.00	0.00
40.00		536.24	1071.40	0.00	0.00
44.58		489.47	961.90	0.00	0.00
45.00		44.58	142.96	0.00	0.00
50.00		538.34	1692.72	0.00	0.00
55.00		533.38	885.25	0.00	0.00
60.00		527.11	866.07	0.00	0.00
65.00		519.71	846.89	0.00	0.00
70.00		511.29	827.71	0.00	0.00
75.00		501.96	808.53	0.00	0.00
80.00		491.81	789.35	0.00	0.00
85.00		480.90	770.17	0.00	0.00
90.00		469.30	750.99	0.00	0.00
90.33		30.69	49.38	0.00	0.00
94.58		394.18	964.52	0.00	0.00
95.00		38.00	52.72	0.00	0.00
100.00		451.26	624.36	0.00	0.00
105.00		437.96	609.02	0.00	0.00
110.00		424.13	593.67	0.00	0.00
115.00		409.82	578.33	0.00	0.00
120.00		395.05	562.99	0.00	0.00
125.00		379.85	547.64	0.00	0.00
126.50	(16) attachments	4234.53	1943.48	0.00	0.00
130.00		253.00	328.22	0.00	0.00
135.00		348.24	455.85	0.00	0.00
137.00	(25) attachments	5418.44	2655.11	0.00	0.00
140.00		196.83	204.63	0.00	0.00
145.00		248.39	393.59	0.00	0.00
150.00	(36) attachments	8008.59	3973.34	0.00	83.73
Totals:		30,949.93	33,094.99	0.00	83.73

Calculated Forces

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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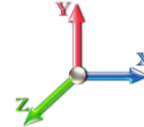


Load Case: 0.9D + 1.6W 97 mph Wind

Iterations 24

Dead Load Factor 0.90

Wind Load Factor 1.60



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	-33.04	-31.01	0.00	-3499.2	0.00	3499.20	4278.74	2139.37	9724.09	4869.27	0.00	0.000	0.000	0.727
5.00	-31.71	-30.59	0.00	-3344.1	0.00	3344.17	4221.33	2110.67	9372.87	4693.40	0.10	-0.192	0.000	0.720
10.00	-30.40	-30.19	0.00	-3191.2	0.00	3191.20	4162.04	2081.02	9023.55	4518.48	0.41	-0.388	0.000	0.714
15.00	-29.11	-29.78	0.00	-3040.2	0.00	3040.27	4100.85	2050.42	8676.44	4344.67	0.92	-0.589	0.000	0.707
20.00	-27.84	-29.35	0.00	-2891.3	0.00	2891.36	4037.77	2018.89	8331.83	4172.11	1.65	-0.795	0.000	0.700
25.00	-26.60	-28.91	0.00	-2744.6	0.00	2744.61	3972.80	1986.40	7990.02	4000.95	2.60	-1.006	0.000	0.693
30.00	-25.39	-28.45	0.00	-2600.0	0.00	2600.08	3905.95	1952.97	7651.31	3831.34	3.77	-1.222	0.000	0.685
35.00	-24.20	-27.98	0.00	-2457.8	0.00	2457.84	3837.20	1918.60	7315.98	3663.43	5.17	-1.443	0.000	0.677
40.00	-23.04	-27.50	0.00	-2317.9	0.00	2317.94	3766.57	1883.28	6984.34	3497.36	6.80	-1.669	0.000	0.669
44.58	-22.04	-27.03	0.00	-2191.8	0.00	2191.88	3700.16	1850.08	6683.83	3346.88	8.50	-1.881	0.000	0.661
45.00	-21.83	-27.03	0.00	-2180.6	0.00	2180.62	3694.04	1847.02	6656.69	3333.29	8.67	-1.901	0.000	0.660
50.00	-20.05	-26.52	0.00	-2045.4	0.00	2045.47	2865.12	1432.56	5102.00	2554.79	10.79	-2.138	0.000	0.808
55.00	-19.07	-26.04	0.00	-1912.8	0.00	1912.89	2813.03	1406.52	4862.15	2434.69	13.16	-2.380	0.000	0.793
60.00	-18.10	-25.56	0.00	-1782.7	0.00	1782.71	2759.06	1379.53	4624.57	2315.72	15.80	-2.662	0.000	0.777
65.00	-17.15	-25.09	0.00	-1654.9	0.00	1654.91	2703.19	1351.60	4389.57	2198.05	18.74	-2.949	0.000	0.760
70.00	-16.23	-24.62	0.00	-1529.4	0.00	1529.47	2645.44	1322.72	4157.45	2081.81	21.99	-3.242	0.000	0.741
75.00	-15.32	-24.15	0.00	-1406.3	0.00	1406.39	2585.79	1292.90	3928.50	1967.17	25.54	-3.540	0.000	0.721
80.00	-14.44	-23.68	0.00	-1285.6	0.00	1285.65	2524.26	1262.13	3703.01	1854.26	29.41	-3.842	0.000	0.699
85.00	-13.58	-23.22	0.00	-1167.2	0.00	1167.23	2460.84	1230.42	3481.29	1743.23	33.59	-4.147	0.000	0.675
90.00	-12.80	-22.74	0.00	-1051.1	0.00	1051.11	2395.53	1197.76	3263.62	1634.24	38.10	-4.454	0.000	0.649
90.33	-12.70	-22.73	0.00	-1043.5	0.00	1043.54	2391.11	1195.55	3249.26	1627.05	38.41	-4.476	0.000	0.647
94.58	-11.71	-22.29	0.00	-946.92	0.00	946.92	1765.27	882.63	2365.96	1184.74	42.51	-4.740	0.000	0.807
95.00	-11.59	-22.29	0.00	-937.63	0.00	937.63	1761.60	880.80	2353.37	1178.43	42.92	-4.767	0.000	0.803
100.00	-10.87	-21.86	0.00	-826.18	0.00	826.18	1716.54	858.27	2203.40	1103.34	48.11	-5.131	0.000	0.756
105.00	-10.17	-21.43	0.00	-716.91	0.00	716.91	1669.59	834.79	2055.83	1029.44	53.67	-5.490	0.000	0.703
110.00	-9.49	-21.00	0.00	-609.77	0.00	609.77	1620.75	810.37	1910.94	956.89	59.60	-5.840	0.000	0.644
115.00	-8.85	-20.59	0.00	-504.76	0.00	504.76	1570.02	785.01	1769.02	885.83	65.89	-6.174	0.000	0.576
120.00	-8.23	-20.17	0.00	-401.84	0.00	401.84	1517.40	758.70	1630.39	816.40	72.51	-6.484	0.000	0.498
125.00	-7.67	-19.76	0.00	-300.97	0.00	300.97	1462.89	731.45	1495.32	748.77	79.44	-6.762	0.000	0.408
126.50	-6.21	-15.33	0.00	-271.34	0.00	271.34	1446.17	723.09	1455.54	728.85	81.58	-6.840	0.000	0.377
130.00	-5.86	-15.06	0.00	-217.67	0.00	217.67	1395.19	697.59	1353.16	677.59	86.64	-7.005	0.000	0.326
135.00	-5.42	-14.67	0.00	-142.36	0.00	142.36	1320.75	660.37	1211.90	606.85	94.07	-7.197	0.000	0.239
137.00	-3.46	-8.97	0.00	-113.02	0.00	113.02	1290.97	645.48	1157.57	579.65	97.09	-7.262	0.000	0.198
140.00	-3.27	-8.75	0.00	-86.12	0.00	86.12	1246.30	623.15	1078.42	540.01	101.67	-7.342	0.000	0.162
140.00	-3.27	-8.75	0.00	-86.12	0.00	86.12	654.06	327.03	470.04	305.83	101.67	-7.342	0.000	0.287
145.00	-2.90	-8.46	0.00	-42.37	0.00	42.37	654.06	327.03	470.04	305.83	109.40	-7.439	0.000	0.144
150.00	0.00	-8.01	0.00	-0.08	0.00	0.08	654.06	327.03	470.04	305.83	117.19	-7.476	0.000	0.001

Wind Loading - Shaft

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 16

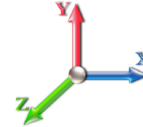


Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 24

Dead Load Factor 1.20

Wind Load Factor 1.00



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	1.410	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	1.687	5.00	24.673	29.61	168.3	586.1	1913.3
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.792	5.00	24.226	29.07	165.3	609.8	1906.4
15.00		1.00	0.86	5.232	5.76	0.00	1.200	1.860	5.00	23.749	28.50	164.0	619.3	1885.2
20.00		1.00	0.91	5.540	6.09	0.00	1.200	1.912	5.00	23.258	27.91	170.1	622.0	1857.2
25.00		1.00	0.95	5.795	6.37	0.00	1.200	1.953	5.00	22.758	27.31	174.1	620.6	1825.1
30.00		1.00	0.99	6.013	6.61	0.00	1.200	1.988	5.00	22.252	26.70	176.6	616.5	1790.3
35.00		1.00	1.02	6.206	6.83	0.00	1.200	2.017	5.00	21.743	26.09	178.1	610.3	1753.5
40.00		1.00	1.05	6.378	7.02	0.00	1.200	2.044	5.00	21.231	25.48	178.7	602.7	1715.1
44.58 Bot - Section 2		1.00	1.07	6.522	7.17	0.00	1.200	2.066	4.58	19.009	22.81	163.6	545.0	1537.7
45.00		1.00	1.07	6.534	7.19	0.00	1.200	2.068	0.42	1.728	2.07	14.9	50.1	214.4
50.00 Top - Section 1		1.00	1.10	6.678	7.35	0.00	1.200	2.089	5.00	20.464	24.56	180.4	591.9	2532.8
55.00		1.00	1.12	6.811	7.49	0.00	1.200	2.109	5.00	19.946	23.94	179.3	581.2	1445.4
60.00		1.00	1.14	6.934	7.63	0.00	1.200	2.127	5.00	19.427	23.31	177.8	569.8	1408.4
65.00		1.00	1.16	7.050	7.76	0.00	1.200	2.144	5.00	18.907	22.69	176.0	557.7	1370.8
70.00		1.00	1.18	7.160	7.88	0.00	1.200	2.159	5.00	18.386	22.06	173.8	545.1	1332.6
75.00		1.00	1.19	7.263	7.99	0.00	1.200	2.174	5.00	17.864	21.44	171.3	532.0	1293.9
80.00		1.00	1.21	7.361	8.10	0.00	1.200	2.188	5.00	17.341	20.81	168.5	518.4	1254.8
85.00		1.00	1.23	7.454	8.20	0.00	1.200	2.201	5.00	16.818	20.18	165.5	504.5	1215.3
90.00		1.00	1.24	7.544	8.30	0.00	1.200	2.214	5.00	16.294	19.55	162.2	490.2	1175.4
90.33 Bot - Section 3		1.00	1.24	7.549	8.30	0.00	1.200	2.214	0.33	1.067	1.28	10.6	32.6	77.4
94.58 Top - Section 2		1.00	1.25	7.622	8.38	0.00	1.200	2.224	4.25	13.587	16.30	136.7	411.1	1428.4
95.00		1.00	1.25	7.629	8.39	0.00	1.200	2.225	0.42	1.311	1.57	13.2	40.2	84.2
100.00		1.00	1.27	7.711	8.48	0.00	1.200	2.237	5.00	15.456	18.55	157.3	467.5	983.9
105.00		1.00	1.28	7.790	8.57	0.00	1.200	2.248	5.00	14.931	17.92	153.5	452.3	948.2
110.00		1.00	1.29	7.866	8.65	0.00	1.200	2.258	5.00	14.405	17.29	149.6	436.9	912.3
115.00		1.00	1.31	7.939	8.73	0.00	1.200	2.268	5.00	13.879	16.65	145.4	421.2	876.2
120.00		1.00	1.32	8.010	8.81	0.00	1.200	2.277	5.00	13.353	16.02	141.2	405.2	839.8
125.00		1.00	1.33	8.079	8.89	0.00	1.200	2.287	5.00	12.826	15.39	136.8	389.1	803.2
126.50 Appurtenance(s)		1.00	1.33	8.099	8.91	0.00	1.200	2.289	1.50	3.744	4.49	40.0	115.3	235.5
130.00		1.00	1.34	8.145	8.96	0.00	1.200	2.296	3.50	8.553	10.26	92.0	260.9	534.3
135.00		1.00	1.35	8.210	9.03	0.00	1.200	2.304	5.00	11.772	14.13	127.6	356.2	729.4
137.00 Appurtenance(s)		1.00	1.35	8.235	9.06	0.00	1.200	2.308	2.00	4.560	5.47	49.6	139.8	283.4
140.00 Top - Section 3		1.00	1.36	8.272	9.10	0.00	1.200	2.313	3.00	6.683	8.02	73.0	203.7	412.9
145.00		1.00	1.37	8.333	9.17	0.00	1.200	2.321	5.00	9.434	11.32	103.8	288.1	712.0
150.00 Appurtenance(s)		1.00	1.38	8.392	9.23	0.00	1.200	2.329	5.00	9.440	11.33	104.6	289.2	713.1
Totals:									150.00			4,743.3		40,001.7

Discrete Appurtenance Forces

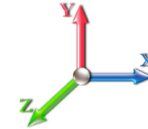
Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 17



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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Nokia 469358A GPS	1	8.392	9.232	0.60	0.90	0.17	5.26	0.000	0.000	1.54	0.00	0.00
2	150.00	LGP21401	12	8.392	9.232	0.45	0.90	12.99	518.13	0.000	0.000	119.89	0.00	0.00
3	150.00	Raycap DC6-48-60-18-8F	3	8.392	9.232	0.60	0.90	2.72	323.22	0.000	0.000	25.12	0.00	0.00
4	150.00	Lightning Rod	1	8.427	9.270	1.00	1.00	2.83	27.94	0.000	3.000	26.22	0.00	78.66
5	150.00	Low Profile Platform	1	8.392	9.232	1.00	1.00	83.05	5322.10	0.000	0.000	766.69	0.00	0.00
6	150.00	RRUS 8843 B2 B66A	3	8.392	9.232	0.60	0.90	4.17	410.70	0.000	0.000	38.46	0.00	0.00
7	150.00	HPA65R-BU8A	3	8.392	9.232	0.65	0.75	26.06	1326.47	0.000	0.000	240.53	0.00	0.00
8	150.00	TPA65R-BU8DA-K	3	8.392	9.232	0.54	0.75	32.95	1892.26	0.000	0.000	304.14	0.00	0.00
9	150.00	DMP65R-BU8DA	3	8.392	9.232	0.62	0.75	37.98	1923.22	0.000	0.000	350.61	0.00	0.00
10	150.00	RRUS 4478 B14	3	8.392	9.232	0.60	0.90	4.24	351.62	0.000	0.000	39.10	0.00	0.00
11	150.00	RRUS 4449 B5/B12	3	8.392	9.232	0.60	0.90	4.88	447.68	0.000	0.000	45.09	0.00	0.00
12	137.00	Samsung LTE CBRS	3	8.235	9.058	0.50	0.75	2.33	158.22	0.000	0.000	21.13	0.00	0.00
13	137.00	LTE 700/850 MHz	3	8.235	9.058	0.50	0.75	4.00	567.07	0.000	0.000	36.21	0.00	0.00
14	137.00	LTE AWS/PCS RF4439D	3	8.235	9.058	0.50	0.75	4.00	596.88	0.000	0.000	36.21	0.00	0.00
15	137.00	MS-HRECP	1	8.235	9.058	1.00	1.00	28.08	1937.36	0.000	0.000	254.36	0.00	0.00
16	137.00	Low Profile Platform-flat	1	8.235	9.058	1.00	1.00	52.69	2289.20	0.000	0.000	477.30	0.00	0.00
17	137.00	BXA-70080-6BF	2	8.235	9.058	0.65	0.75	11.61	305.62	0.000	0.000	105.17	0.00	0.00
18	137.00	BXA-70063-4CF-EDIN-X	1	8.235	9.058	0.55	0.75	3.92	117.45	0.000	0.000	35.53	0.00	0.00
19	137.00	MT6407-77A	3	8.235	9.058	0.52	0.75	9.39	792.74	0.000	0.000	85.05	0.00	0.00
20	137.00	DB-T1-6Z-8AB-0Z	2	8.235	9.058	0.50	0.75	6.01	507.94	0.000	0.000	54.44	0.00	0.00
21	137.00	NHH-65B-R2B	3	8.235	9.058	0.62	0.75	18.35	1007.07	0.000	0.000	166.23	0.00	0.00
22	137.00	NHHSS-65B-R2B	3	8.235	9.058	0.62	0.75	18.35	1022.91	0.000	0.000	166.23	0.00	0.00
23	126.50	Low Profile Platform-flat	1	8.099	8.909	1.00	1.00	52.47	2279.19	0.000	0.000	467.47	0.00	0.00
24	126.50	LNx-6515DS-A1M	3	8.099	8.909	0.64	0.80	30.25	885.28	0.000	0.000	269.49	0.00	0.00
25	126.50	KRY 112 144/1	3	8.099	8.909	0.54	0.80	1.66	72.73	0.000	0.000	14.80	0.00	0.00
26	126.50	AIR 21, 1.3M, B4A B2P	3	8.099	8.909	0.69	0.80	15.60	1030.83	0.000	0.000	139.00	0.00	0.00
27	126.50	AIR 21, 1.3M, B2A B4P	3	8.099	8.909	0.69	0.80	15.60	1034.79	0.000	0.000	139.00	0.00	0.00
28	126.50	S11B12	3	8.099	8.909	0.54	0.80	5.46	558.78	0.000	0.000	48.68	0.00	0.00

Totals: 27,712.68

4,473.69

Total Applied Force Summary

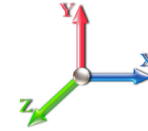
Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021	
Site Name: Bolton 2, CT	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 18



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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		168.31	2229.41	0.00	0.00
10.00		165.27	2222.46	0.00	0.00
15.00		164.01	2201.27	0.00	0.00
20.00		170.08	2173.28	0.00	0.00
25.00		174.08	2141.21	0.00	0.00
30.00		176.63	2106.39	0.00	0.00
35.00		178.11	2069.56	0.00	0.00
40.00		178.74	2031.18	0.00	0.00
44.58		163.65	1827.50	0.00	0.00
45.00		14.90	240.77	0.00	0.00
50.00		180.39	2848.86	0.00	0.00
55.00		179.32	1761.53	0.00	0.00
60.00		177.83	1724.52	0.00	0.00
65.00		175.96	1686.89	0.00	0.00
70.00		173.76	1648.70	0.00	0.00
75.00		171.26	1610.01	0.00	0.00
80.00		168.49	1570.89	0.00	0.00
85.00		165.48	1531.37	0.00	0.00
90.00		162.25	1491.48	0.00	0.00
90.33		10.64	98.46	0.00	0.00
94.58		136.70	1697.13	0.00	0.00
95.00		13.21	110.50	0.00	0.00
100.00		157.32	1299.99	0.00	0.00
105.00		153.53	1264.34	0.00	0.00
110.00		149.57	1228.43	0.00	0.00
115.00		145.45	1192.27	0.00	0.00
120.00		141.18	1155.89	0.00	0.00
125.00		136.78	1119.29	0.00	0.00
126.50	(16) attachments	1118.46	6191.94	0.00	0.00
130.00		91.96	698.56	0.00	0.00
135.00		127.57	964.03	0.00	0.00
137.00	(25) attachments	1487.43	9679.68	0.00	0.00
140.00		72.97	476.56	0.00	0.00
145.00		103.77	812.86	0.00	0.00
150.00	(36) attachments	2061.98	13362.55	0.00	78.66
Totals:		9,217.03	76,469.74	0.00	78.66

Calculated Forces

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (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

Iterations 24

Dead Load Factor 1.20

Wind Load 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	-76.46	-9.26	0.00	-1081.3	0.00	1081.34	4278.74	2139.37	9724.09	4869.27	0.00	0.000	0.000	0.240
5.00	-74.23	-9.17	0.00	-1035.0	0.00	1035.05	4221.33	2110.67	9372.87	4693.40	0.03	-0.059	0.000	0.238
10.00	-71.99	-9.07	0.00	-989.23	0.00	989.23	4162.04	2081.02	9023.55	4518.48	0.13	-0.120	0.000	0.236
15.00	-69.78	-8.98	0.00	-943.85	0.00	943.85	4100.85	2050.42	8676.44	4344.67	0.29	-0.183	0.000	0.234
20.00	-67.60	-8.88	0.00	-898.95	0.00	898.95	4037.77	2018.89	8331.83	4172.11	0.51	-0.247	0.000	0.232
25.00	-65.45	-8.77	0.00	-854.55	0.00	854.55	3972.80	1986.40	7990.02	4000.95	0.81	-0.312	0.000	0.230
30.00	-63.33	-8.66	0.00	-810.70	0.00	810.70	3905.95	1952.97	7651.31	3831.34	1.17	-0.379	0.000	0.228
35.00	-61.26	-8.54	0.00	-767.41	0.00	767.41	3837.20	1918.60	7315.98	3663.43	1.60	-0.448	0.000	0.225
40.00	-59.22	-8.41	0.00	-724.72	0.00	724.72	3766.57	1883.28	6984.34	3497.36	2.11	-0.519	0.000	0.223
44.58	-57.39	-8.27	0.00	-686.16	0.00	686.16	3700.16	1850.08	6683.83	3346.88	2.64	-0.585	0.000	0.221
45.00	-57.14	-8.29	0.00	-682.72	0.00	682.72	3694.04	1847.02	6656.69	3333.29	2.69	-0.592	0.000	0.220
50.00	-54.28	-8.15	0.00	-641.26	0.00	641.26	2865.12	1432.56	5102.00	2554.79	3.35	-0.666	0.000	0.270
55.00	-52.51	-8.03	0.00	-600.51	0.00	600.51	2813.03	1406.52	4862.15	2434.69	4.09	-0.742	0.000	0.265
60.00	-50.78	-7.90	0.00	-560.38	0.00	560.38	2759.06	1379.53	4624.57	2315.72	4.91	-0.830	0.000	0.260
65.00	-49.08	-7.78	0.00	-520.87	0.00	520.87	2703.19	1351.60	4389.57	2198.05	5.83	-0.921	0.000	0.255
70.00	-47.42	-7.66	0.00	-481.97	0.00	481.97	2645.44	1322.72	4157.45	2081.81	6.85	-1.013	0.000	0.249
75.00	-45.80	-7.53	0.00	-443.69	0.00	443.69	2585.79	1292.90	3928.50	1967.17	7.96	-1.107	0.000	0.243
80.00	-44.22	-7.40	0.00	-406.04	0.00	406.04	2524.26	1262.13	3703.01	1854.26	9.17	-1.202	0.000	0.237
85.00	-42.68	-7.28	0.00	-369.03	0.00	369.03	2460.84	1230.42	3481.29	1743.23	10.48	-1.298	0.000	0.229
90.00	-41.19	-7.12	0.00	-332.64	0.00	332.64	2395.53	1197.76	3263.62	1634.24	11.89	-1.396	0.000	0.221
90.33	-41.09	-7.14	0.00	-330.27	0.00	330.27	2391.11	1195.55	3249.26	1627.05	11.99	-1.402	0.000	0.220
94.58	-39.39	-6.99	0.00	-299.94	0.00	299.94	1765.27	882.63	2365.96	1184.74	13.27	-1.486	0.000	0.276
95.00	-39.27	-7.02	0.00	-297.03	0.00	297.03	1761.60	880.80	2353.37	1178.43	13.40	-1.495	0.000	0.274
100.00	-37.96	-6.90	0.00	-261.95	0.00	261.95	1716.54	858.27	2203.40	1103.34	15.03	-1.610	0.000	0.260
105.00	-36.69	-6.78	0.00	-227.46	0.00	227.46	1669.59	834.79	2055.83	1029.44	16.78	-1.724	0.000	0.243
110.00	-35.45	-6.66	0.00	-193.55	0.00	193.55	1620.75	810.37	1910.94	956.89	18.65	-1.835	0.000	0.224
115.00	-34.25	-6.54	0.00	-160.25	0.00	160.25	1570.02	785.01	1769.02	885.83	20.63	-1.941	0.000	0.203
120.00	-33.09	-6.41	0.00	-127.56	0.00	127.56	1517.40	758.70	1630.39	816.40	22.71	-2.040	0.000	0.178
125.00	-31.97	-6.26	0.00	-95.52	0.00	95.52	1462.89	731.45	1495.32	748.77	24.90	-2.128	0.000	0.149
126.50	-25.83	-4.93	0.00	-86.12	0.00	86.12	1446.17	723.09	1455.54	728.85	25.57	-2.153	0.000	0.136
130.00	-25.13	-4.84	0.00	-68.86	0.00	68.86	1395.19	697.59	1353.16	677.59	27.17	-2.205	0.000	0.120
135.00	-24.16	-4.69	0.00	-44.67	0.00	44.67	1320.75	660.37	1211.90	606.85	29.51	-2.265	0.000	0.092
137.00	-14.55	-2.82	0.00	-35.29	0.00	35.29	1290.97	645.48	1157.57	579.65	30.46	-2.286	0.000	0.072
140.00	-14.08	-2.74	0.00	-26.82	0.00	26.82	1246.30	623.15	1078.42	540.01	31.91	-2.311	0.000	0.061
140.00	-14.08	-2.74	0.00	-26.82	0.00	26.82	654.06	327.03	470.04	305.83	31.91	-2.311	0.000	0.109
145.00	-13.27	-2.61	0.00	-13.12	0.00	13.12	654.06	327.03	470.04	305.83	34.35	-2.341	0.000	0.063
150.00	0.00	-2.06	0.00	-0.08	0.00	0.08	654.06	327.03	470.04	305.83	36.80	-2.352	0.000	0.000

Seismic Segment Forces (Factored)

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 20



Load Case: 1.2D + 1.0E

Iterations 22

Gust Response Factor 1.10

Sds 0.19

Ss 0.18

Dead Load Factor 1.20 **Seismic Load Factor** 1.00

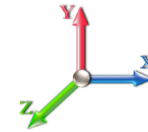
Sd1 0.10

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.37

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	0.01	0.00	0.00	
5.00		1106.0	0.00	0.04	0.02	21.33	
10.00		1080.4	0.01	0.05	0.03	28.37	
15.00		1054.8	0.02	0.06	0.04	31.42	
20.00		1029.3	0.04	0.07	0.04	32.58	
25.00		1003.7	0.06	0.07	0.04	32.91	
30.00		978.17	0.08	0.07	0.04	32.93	
35.00		952.60	0.11	0.07	0.04	32.85	
40.00		927.03	0.14	0.07	0.03	32.68	
44.58	Bot - Section 2	827.31	0.17	0.07	0.03	29.56	
45.00		136.90	0.18	0.07	0.03	4.89	
50.00	Top - Section 1	1617.3	0.22	0.06	0.02	57.59	
55.00		720.19	0.26	0.05	0.02	24.69	
60.00		698.88	0.31	0.04	0.01	21.76	
65.00		677.57	0.36	0.03	0.01	17.30	
70.00		656.26	0.42	0.01	0.01	11.23	
75.00		634.95	0.48	-0.01	0.01	3.89	
80.00		613.64	0.54	-0.03	0.01	-3.83	
85.00		592.33	0.61	-0.06	0.02	-10.69	
90.00		571.02	0.69	-0.08	0.03	-15.59	
90.33	Bot - Section 3	37.31	0.69	-0.08	0.03	-1.04	
94.58	Top - Section 2	847.79	0.76	-0.10	0.04	-27.37	
95.00		36.63	0.76	-0.10	0.04	-1.19	
100.00		430.32	0.85	-0.12	0.07	-14.21	
105.00		413.27	0.93	-0.12	0.10	-11.78	
110.00		396.22	1.02	-0.10	0.14	-7.51	
115.00		379.17	1.12	-0.06	0.20	-1.68	
120.00		362.12	1.21	0.02	0.27	5.45	
125.00		345.08	1.32	0.14	0.35	13.64	
126.50	Appurtenance(s)	2080.4	1.35	0.19	0.38	99.57	
130.00		227.83	1.42	0.33	0.46	15.73	
135.00		310.98	1.53	0.59	0.58	32.25	
137.00	Appurtenance(s)	2871.9	1.58	0.71	0.64	341.81	
140.00	Top - Section 3	174.31	1.65	0.93	0.74	25.03	
145.00		353.28	1.77	1.39	0.92	66.69	
150.00	Appurtenance(s)	4330.7	1.89	1.98	1.14	1036.99	
Totals:		29,476.1				1,958.2	
						Total Wind:	30,949.9

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

Calculated Forces

Structure: CT11558-A-SBA **Code:** EIA/TIA-222-G 11/4/2021
Site Name: Bolton 2, CT **Exposure:** C
Height: 150.00 (ft) **Crest Height:** 0.00
Base Elev: 1.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 21



Load Case: 1.2D + 1.0E

Iterations 22

Gust Response Factor 1.10

Sds 0.19

Ss 0.18

Dead Load Factor 1.20

Seismic Load Factor 1.00

Sd1 0.10

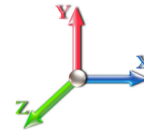
S1 0.06

Wind Load Factor 0.00

Structure Frequency (f1) 0.37

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	-44.13	-2.06	0.00	-265.71	0.00	265.71	4278.74	2139.37	9724.09	4869.27	0.00	0.00	0.00	0.065
5.00	-42.48	-2.05	0.00	-255.42	0.00	255.42	4221.33	2110.67	9372.87	4693.40	0.01	-0.01	0.064	
10.00	-40.87	-2.03	0.00	-245.18	0.00	245.18	4162.04	2081.02	9023.55	4518.48	0.03	-0.03	0.064	
15.00	-39.29	-2.01	0.00	-235.03	0.00	235.03	4100.85	2050.42	8676.44	4344.67	0.07	-0.05	0.064	
20.00	-37.74	-1.98	0.00	-224.99	0.00	224.99	4037.77	2018.89	8331.83	4172.11	0.13	-0.06	0.063	
25.00	-36.21	-1.96	0.00	-215.06	0.00	215.06	3972.80	1986.40	7990.02	4000.95	0.20	-0.08	0.063	
30.00	-34.72	-1.94	0.00	-205.26	0.00	205.26	3905.95	1952.97	7651.31	3831.34	0.29	-0.09	0.062	
35.00	-33.26	-1.91	0.00	-195.58	0.00	195.58	3837.20	1918.60	7315.98	3663.43	0.40	-0.11	0.062	
40.00	-31.83	-1.88	0.00	-186.03	0.00	186.03	3766.57	1883.28	6984.34	3497.36	0.52	-0.13	0.062	
44.58	-30.55	-1.86	0.00	-177.39	0.00	177.39	3700.16	1850.08	6683.83	3346.88	0.66	-0.15	0.061	
45.00	-30.36	-1.86	0.00	-176.62	0.00	176.62	3694.04	1847.02	6656.69	3333.29	0.67	-0.15	0.061	
50.00	-28.10	-1.80	0.00	-167.33	0.00	167.33	2865.12	1432.56	5102.00	2554.79	0.84	-0.17	0.075	
55.00	-26.92	-1.78	0.00	-158.32	0.00	158.32	2813.03	1406.52	4862.15	2434.69	1.02	-0.19	0.075	
60.00	-25.77	-1.77	0.00	-149.39	0.00	149.39	2759.06	1379.53	4624.57	2315.72	1.23	-0.21	0.074	
65.00	-24.64	-1.76	0.00	-140.54	0.00	140.54	2703.19	1351.60	4389.57	2198.05	1.47	-0.24	0.073	
70.00	-23.53	-1.75	0.00	-131.75	0.00	131.75	2645.44	1322.72	4157.45	2081.81	1.73	-0.26	0.072	
75.00	-22.45	-1.75	0.00	-122.98	0.00	122.98	2585.79	1292.90	3928.50	1967.17	2.02	-0.29	0.071	
80.00	-21.40	-1.76	0.00	-114.21	0.00	114.21	2524.26	1262.13	3703.01	1854.26	2.33	-0.31	0.070	
85.00	-20.37	-1.76	0.00	-105.42	0.00	105.42	2460.84	1230.42	3481.29	1743.23	2.67	-0.34	0.069	
90.00	-19.37	-1.76	0.00	-96.60	0.00	96.60	2395.53	1197.76	3263.62	1634.24	3.04	-0.37	0.067	
90.33	-19.31	-1.77	0.00	-96.02	0.00	96.02	2391.11	1195.55	3249.26	1627.05	3.07	-0.37	0.067	
94.58	-18.02	-1.76	0.00	-88.51	0.00	88.51	1765.27	882.63	2365.96	1184.74	3.41	-0.40	0.085	
95.00	-17.95	-1.77	0.00	-87.78	0.00	87.78	1761.60	880.80	2353.37	1178.43	3.45	-0.40	0.085	
100.00	-17.11	-1.77	0.00	-78.94	0.00	78.94	1716.54	858.27	2203.40	1103.34	3.88	-0.43	0.082	
105.00	-16.30	-1.77	0.00	-70.09	0.00	70.09	1669.59	834.79	2055.83	1029.44	4.35	-0.47	0.078	
110.00	-15.51	-1.78	0.00	-61.21	0.00	61.21	1620.75	810.37	1910.94	956.89	4.86	-0.50	0.074	
115.00	-14.74	-1.78	0.00	-52.33	0.00	52.33	1570.02	785.01	1769.02	885.83	5.40	-0.54	0.068	
120.00	-13.99	-1.77	0.00	-43.43	0.00	43.43	1517.40	758.70	1630.39	816.40	5.98	-0.57	0.062	
125.00	-13.25	-1.76	0.00	-34.56	0.00	34.56	1462.89	731.45	1495.32	748.77	6.59	-0.60	0.055	
126.50	-10.66	-1.63	0.00	-31.92	0.00	31.92	1446.17	723.09	1455.54	728.85	6.78	-0.61	0.051	
130.00	-10.23	-1.62	0.00	-26.21	0.00	26.21	1395.19	697.59	1353.16	677.59	7.24	-0.63	0.046	
135.00	-9.62	-1.58	0.00	-18.12	0.00	18.12	1320.75	660.37	1211.90	606.85	7.91	-0.65	0.037	
137.00	-6.08	-1.20	0.00	-14.96	0.00	14.96	1290.97	645.48	1157.57	579.65	8.18	-0.66	0.031	
140.00	-5.81	-1.17	0.00	-11.36	0.00	11.36	1246.30	623.15	1078.42	540.01	8.60	-0.67	0.026	
140.00	-5.81	-1.17	0.00	-11.36	0.00	11.36	654.06	327.03	470.04	305.83	8.60	-0.67	0.046	
145.00	-5.28	-1.10	0.00	-5.50	0.00	5.50	654.06	327.03	470.04	305.83	9.31	-0.68	0.026	
150.00	0.00	-1.04	0.00	0.00	0.00	0.00	654.06	327.03	470.04	305.83	10.03	-0.69	0.000	

Seismic Segment Forces (Factored)

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



Page: 22

Load Case: 0.9D + 1.0E

Iterations 22

Gust Response Factor 1.10

Sds 0.19

Ss 0.18

Dead Load Factor 0.90 **Seismic Load Factor** 1.00

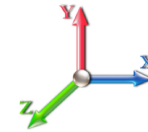
Sd1 0.10

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.37

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	0.01	0.00	0.00	
5.00		1106.0	0.00	0.04	0.02	21.33	
10.00		1080.4	0.01	0.05	0.03	28.37	
15.00		1054.8	0.02	0.06	0.04	31.42	
20.00		1029.3	0.04	0.07	0.04	32.58	
25.00		1003.7	0.06	0.07	0.04	32.91	
30.00		978.17	0.08	0.07	0.04	32.93	
35.00		952.60	0.11	0.07	0.04	32.85	
40.00		927.03	0.14	0.07	0.03	32.68	
44.58	Bot - Section 2	827.31	0.17	0.07	0.03	29.56	
45.00		136.90	0.18	0.07	0.03	4.89	
50.00	Top - Section 1	1617.3	0.22	0.06	0.02	57.59	
55.00		720.19	0.26	0.05	0.02	24.69	
60.00		698.88	0.31	0.04	0.01	21.76	
65.00		677.57	0.36	0.03	0.01	17.30	
70.00		656.26	0.42	0.01	0.01	11.23	
75.00		634.95	0.48	-0.01	0.01	3.89	
80.00		613.64	0.54	-0.03	0.01	-3.83	
85.00		592.33	0.61	-0.06	0.02	-10.69	
90.00		571.02	0.69	-0.08	0.03	-15.59	
90.33	Bot - Section 3	37.31	0.69	-0.08	0.03	-1.04	
94.58	Top - Section 2	847.79	0.76	-0.10	0.04	-27.37	
95.00		36.63	0.76	-0.10	0.04	-1.19	
100.00		430.32	0.85	-0.12	0.07	-14.21	
105.00		413.27	0.93	-0.12	0.10	-11.78	
110.00		396.22	1.02	-0.10	0.14	-7.51	
115.00		379.17	1.12	-0.06	0.20	-1.68	
120.00		362.12	1.21	0.02	0.27	5.45	
125.00		345.08	1.32	0.14	0.35	13.64	
126.50	Appurtenance(s)	2080.4	1.35	0.19	0.38	99.57	
130.00		227.83	1.42	0.33	0.46	15.73	
135.00		310.98	1.53	0.59	0.58	32.25	
137.00	Appurtenance(s)	2871.9	1.58	0.71	0.64	341.81	
140.00	Top - Section 3	174.31	1.65	0.93	0.74	25.03	
145.00		353.28	1.77	1.39	0.92	66.69	
150.00	Appurtenance(s)	4330.7	1.89	1.98	1.14	1036.99	
Totals:		29,476.1				1,958.2	
						Total Wind:	30,949.9

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

Calculated Forces

Structure: CT11558-A-SBA **Code:** EIA/TIA-222-G 11/4/2021
Site Name: Bolton 2, CT **Exposure:** C
Height: 150.00 (ft) **Crest Height:** 0.00
Base Elev: 1.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 23



Load Case: 0.9D + 1.0E

Iterations 22

Gust Response Factor 1.10

Sds 0.19

Ss 0.18

Dead Load Factor 0.90 **Seismic Load Factor** 1.00

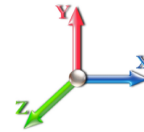
Sd1 0.10

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.37

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	-33.09	-2.06	0.00	-262.09	0.00	262.09	4278.74	2139.37	9724.09	4869.27	0.00	0.00	0.00	0.062
5.00	-31.86	-2.04	0.00	-251.80	0.00	251.80	4221.33	2110.67	9372.87	4693.40	0.01	-0.01	0.061	
10.00	-30.65	-2.02	0.00	-241.58	0.00	241.58	4162.04	2081.02	9023.55	4518.48	0.03	-0.03	0.061	
15.00	-29.46	-2.00	0.00	-231.47	0.00	231.47	4100.85	2050.42	8676.44	4344.67	0.07	-0.04	0.060	
20.00	-28.30	-1.97	0.00	-221.48	0.00	221.48	4037.77	2018.89	8331.83	4172.11	0.12	-0.06	0.060	
25.00	-27.16	-1.95	0.00	-211.61	0.00	211.61	3972.80	1986.40	7990.02	4000.95	0.20	-0.08	0.060	
30.00	-26.04	-1.92	0.00	-201.88	0.00	201.88	3905.95	1952.97	7651.31	3831.34	0.29	-0.09	0.059	
35.00	-24.95	-1.89	0.00	-192.28	0.00	192.28	3837.20	1918.60	7315.98	3663.43	0.39	-0.11	0.059	
40.00	-23.88	-1.86	0.00	-182.82	0.00	182.82	3766.57	1883.28	6984.34	3497.36	0.52	-0.13	0.059	
44.58	-22.91	-1.84	0.00	-174.28	0.00	174.28	3700.16	1850.08	6683.83	3346.88	0.65	-0.14	0.058	
45.00	-22.77	-1.84	0.00	-173.51	0.00	173.51	3694.04	1847.02	6656.69	3333.29	0.66	-0.15	0.058	
50.00	-21.08	-1.78	0.00	-164.33	0.00	164.33	2865.12	1432.56	5102.00	2554.79	0.82	-0.17	0.072	
55.00	-20.19	-1.76	0.00	-155.43	0.00	155.43	2813.03	1406.52	4862.15	2434.69	1.01	-0.18	0.071	
60.00	-19.32	-1.74	0.00	-146.63	0.00	146.63	2759.06	1379.53	4624.57	2315.72	1.21	-0.21	0.070	
65.00	-18.48	-1.73	0.00	-137.92	0.00	137.92	2703.19	1351.60	4389.57	2198.05	1.44	-0.23	0.070	
70.00	-17.65	-1.72	0.00	-129.26	0.00	129.26	2645.44	1322.72	4157.45	2081.81	1.70	-0.26	0.069	
75.00	-16.84	-1.72	0.00	-120.64	0.00	120.64	2585.79	1292.90	3928.50	1967.17	1.98	-0.28	0.068	
80.00	-16.05	-1.73	0.00	-112.03	0.00	112.03	2524.26	1262.13	3703.01	1854.26	2.29	-0.31	0.067	
85.00	-15.28	-1.73	0.00	-103.39	0.00	103.39	2460.84	1230.42	3481.29	1743.23	2.63	-0.33	0.066	
90.00	-14.53	-1.73	0.00	-94.74	0.00	94.74	2395.53	1197.76	3263.62	1634.24	2.99	-0.36	0.064	
90.33	-14.48	-1.73	0.00	-94.17	0.00	94.17	2391.11	1195.55	3249.26	1627.05	3.02	-0.36	0.064	
94.58	-13.51	-1.73	0.00	-86.81	0.00	86.81	1765.27	882.63	2365.96	1184.74	3.35	-0.39	0.081	
95.00	-13.46	-1.73	0.00	-86.09	0.00	86.09	1761.60	880.80	2353.37	1178.43	3.39	-0.39	0.081	
100.00	-12.83	-1.74	0.00	-77.42	0.00	77.42	1716.54	858.27	2203.40	1103.34	3.82	-0.42	0.078	
105.00	-12.22	-1.74	0.00	-68.74	0.00	68.74	1669.59	834.79	2055.83	1029.44	4.28	-0.46	0.074	
110.00	-11.63	-1.74	0.00	-60.05	0.00	60.05	1620.75	810.37	1910.94	956.89	4.78	-0.49	0.070	
115.00	-11.05	-1.74	0.00	-51.35	0.00	51.35	1570.02	785.01	1769.02	885.83	5.31	-0.53	0.065	
120.00	-10.48	-1.74	0.00	-42.64	0.00	42.64	1517.40	758.70	1630.39	816.40	5.88	-0.56	0.059	
125.00	-9.94	-1.72	0.00	-33.96	0.00	33.96	1462.89	731.45	1495.32	748.77	6.48	-0.59	0.052	
126.50	-7.99	-1.60	0.00	-31.38	0.00	31.38	1446.17	723.09	1455.54	728.85	6.67	-0.60	0.049	
130.00	-7.67	-1.59	0.00	-25.77	0.00	25.77	1395.19	697.59	1353.16	677.59	7.11	-0.62	0.044	
135.00	-7.21	-1.55	0.00	-17.83	0.00	17.83	1320.75	660.37	1211.90	606.85	7.77	-0.64	0.035	
137.00	-4.56	-1.18	0.00	-14.73	0.00	14.73	1290.97	645.48	1157.57	579.65	8.04	-0.65	0.029	
140.00	-4.35	-1.15	0.00	-11.19	0.00	11.19	1246.30	623.15	1078.42	540.01	8.45	-0.66	0.024	
140.00	-4.35	-1.15	0.00	-11.19	0.00	11.19	654.06	327.03	470.04	305.83	8.45	-0.66	0.043	
145.00	-3.96	-1.08	0.00	-5.42	0.00	5.42	654.06	327.03	470.04	305.83	9.15	-0.67	0.024	
150.00	0.00	-1.04	0.00	0.00	0.00	0.00	654.06	327.03	470.04	305.83	9.85	-0.68	0.000	

Wind Loading - Shaft

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

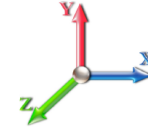
Page: 24



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

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	260.37	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	254.46	0.650	0.000	5.00	23.267	15.12	123.8	0.0	1106.0
10.00		1.00	0.85	7.442	8.19	248.55	0.650	0.000	5.00	22.733	14.78	121.0	0.0	1080.5
15.00		1.00	0.86	7.534	8.29	244.13	0.650	0.000	5.00	22.199	14.43	119.6	0.0	1054.9
20.00		1.00	0.91	7.978	8.78	245.10	0.650	0.000	5.00	21.665	14.08	123.6	0.0	1029.3
25.00		1.00	0.95	8.345	9.18	244.42	0.650	0.000	5.00	21.130	13.73	126.1	0.0	1003.7
30.00		1.00	0.99	8.659	9.53	242.61	0.650	0.000	5.00	20.596	13.39	127.5	0.0	978.2
35.00		1.00	1.02	8.936	9.83	239.98	0.650	0.000	5.00	20.062	13.04	128.2	0.0	952.6
40.00		1.00	1.05	9.184	10.10	236.72	0.650	0.000	5.00	19.527	12.69	128.2	0.0	927.0
44.58 Bot - Section 2		1.00	1.07	9.392	10.33	233.29	0.650	0.000	4.58	17.431	11.33	117.0	0.0	827.3
45.00		1.00	1.07	9.410	10.35	232.96	0.650	0.000	0.42	1.584	1.03	10.7	0.0	136.9
50.00 Top - Section 1		1.00	1.10	9.616	10.58	228.78	0.650	0.000	5.00	18.723	12.17	128.7	0.0	1617.4
55.00		1.00	1.12	9.807	10.79	227.62	0.650	0.000	5.00	18.189	11.82	127.5	0.0	720.2
60.00		1.00	1.14	9.986	10.98	222.83	0.650	0.000	5.00	17.655	11.48	126.1	0.0	698.9
65.00		1.00	1.16	10.153	11.17	217.78	0.650	0.000	5.00	17.120	11.13	124.3	0.0	677.6
70.00		1.00	1.18	10.310	11.34	212.51	0.650	0.000	5.00	16.586	10.78	122.3	0.0	656.3
75.00		1.00	1.19	10.459	11.50	207.03	0.650	0.000	5.00	16.052	10.43	120.0	0.0	635.0
80.00		1.00	1.21	10.600	11.66	201.36	0.650	0.000	5.00	15.518	10.09	117.6	0.0	613.6
85.00		1.00	1.23	10.734	11.81	195.54	0.650	0.000	5.00	14.983	9.74	115.0	0.0	592.3
90.00		1.00	1.24	10.863	11.95	189.56	0.650	0.000	5.00	14.449	9.39	112.2	0.0	571.0
90.33 Bot - Section 3		1.00	1.24	10.871	11.96	189.16	0.650	0.000	0.33	0.944	0.61	7.3	0.0	37.3
94.58 Top - Section 2		1.00	1.25	10.976	12.07	183.97	0.650	0.000	4.25	12.011	7.81	94.3	0.0	847.8
95.00		1.00	1.25	10.986	12.08	186.30	0.650	0.000	0.42	1.157	0.75	9.1	0.0	36.6
100.00		1.00	1.27	11.104	12.21	180.07	0.650	0.000	5.00	13.592	8.83	107.9	0.0	430.3
105.00		1.00	1.28	11.218	12.34	173.73	0.650	0.000	5.00	13.058	8.49	104.7	0.0	413.3
110.00		1.00	1.29	11.327	12.46	167.29	0.650	0.000	5.00	12.523	8.14	101.4	0.0	396.2
115.00		1.00	1.31	11.432	12.58	160.74	0.650	0.000	5.00	11.989	7.79	98.0	0.0	379.2
120.00		1.00	1.32	11.534	12.69	154.09	0.650	0.000	5.00	11.455	7.45	94.5	0.0	362.1
125.00		1.00	1.33	11.633	12.80	147.36	0.650	0.000	5.00	10.921	7.10	90.8	0.0	345.1
126.50 Appurtenance(s)		1.00	1.33	11.662	12.83	145.33	0.650	0.000	1.50	3.172	2.06	26.4	0.0	100.2
130.00		1.00	1.34	11.729	12.90	140.55	0.650	0.000	3.50	7.214	4.69	60.5	0.0	227.8
135.00		1.00	1.35	11.822	13.00	133.65	0.650	0.000	5.00	9.852	6.40	83.3	0.0	311.0
137.00 Appurtenance(s)		1.00	1.35	11.858	13.04	130.87	0.650	0.000	2.00	3.791	2.46	32.1	0.0	119.6
140.00 Top - Section 3		1.00	1.36	11.912	13.10	126.68	0.650	0.000	3.00	5.527	3.59	47.1	0.0	174.3
145.00		1.00	1.37	12.000	13.20	105.36	0.600	0.000	5.00	7.500	4.50	59.4	0.0	353.3
150.00 Appurtenance(s)		1.00	1.38	12.085	13.29	105.74	0.600	0.000	5.00	7.500	4.50	59.8	0.0	353.3
Totals:									150.00			3,296.1		20,766.1

Discrete Appurtenance Forces

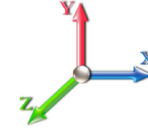
Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 25



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Nokia 469358A GPS	1	12.085	13.294	0.60	0.90	0.04	1.30	0.000	0.000	0.48	0.00	0.00
2	150.00	LGP21401	12	12.085	13.294	0.45	0.90	6.97	169.20	0.000	0.000	92.60	0.00	0.00
3	150.00	Raycap DC6-48-60-18-8F	3	12.085	13.294	0.60	0.90	1.66	98.40	0.000	0.000	22.12	0.00	0.00
4	150.00	Lightning Rod	1	12.135	13.349	1.00	1.00	0.50	5.00	0.000	3.000	6.67	0.00	20.02
5	150.00	Low Profile Platform	1	12.085	13.294	1.00	1.00	43.00	2380.00	0.000	0.000	571.62	0.00	0.00
6	150.00	RRUS 8843 B2 B66A	3	12.085	13.294	0.60	0.90	2.97	216.00	0.000	0.000	39.44	0.00	0.00
7	150.00	HPA65R-BU8A	3	12.085	13.294	0.65	0.75	21.73	162.00	0.000	0.000	288.87	0.00	0.00
8	150.00	TPA65R-BU8DA-K	3	12.085	13.294	0.54	0.75	25.71	261.30	0.000	0.000	341.77	0.00	0.00
9	150.00	DMP65R-BU8DA	3	12.085	13.294	0.62	0.75	30.44	287.10	0.000	0.000	404.66	0.00	0.00
10	150.00	RRUS 4478 B14	3	12.085	13.294	0.60	0.90	2.98	178.20	0.000	0.000	39.68	0.00	0.00
11	150.00	RRUS 4449 B5/B12	3	12.085	13.294	0.60	0.90	3.56	219.00	0.000	0.000	47.37	0.00	0.00
12	137.00	Samsung LTE CBRS	3	11.858	13.044	0.50	0.75	1.49	55.80	0.000	0.000	19.47	0.00	0.00
13	137.00	LTE 700/850 MHz	3	11.858	13.044	0.50	0.75	2.82	210.90	0.000	0.000	36.77	0.00	0.00
14	137.00	LTE AWS/PCS RF4439D	3	11.858	13.044	0.50	0.75	2.82	224.10	0.000	0.000	36.77	0.00	0.00
15	137.00	MS-HRECP	1	11.858	13.044	1.00	1.00	12.25	514.00	0.000	0.000	159.79	0.00	0.00
16	137.00	Low Profile Platform-flat	1	11.858	13.044	1.00	1.00	25.00	1100.00	0.000	0.000	326.10	0.00	0.00
17	137.00	BXA-70080-6BF	2	11.858	13.044	0.65	0.75	7.52	36.00	0.000	0.000	98.05	0.00	0.00
18	137.00	BXA-70063-4CF-EDIN-X	1	11.858	13.044	0.55	0.75	2.58	9.90	0.000	0.000	33.71	0.00	0.00
19	137.00	MT6407-77A	3	11.858	13.044	0.52	0.75	7.39	238.20	0.000	0.000	96.35	0.00	0.00
20	137.00	DB-T1-6Z-8AB-0Z	2	11.858	13.044	0.50	0.75	4.82	88.00	0.000	0.000	62.92	0.00	0.00
21	137.00	NHH-65B-R2B	3	11.858	13.044	0.62	0.75	15.09	131.10	0.000	0.000	196.83	0.00	0.00
22	137.00	NHHSS-65B-R2B	3	11.858	13.044	0.62	0.75	15.09	144.30	0.000	0.000	196.83	0.00	0.00
23	126.50	Low Profile Platform-flat	1	11.662	12.828	1.00	1.00	25.00	1100.00	0.000	0.000	320.71	0.00	0.00
24	126.50	LNx-6515DS-A1M	3	11.662	12.828	0.64	0.80	22.02	149.40	0.000	0.000	282.51	0.00	0.00
25	126.50	KRY 112 144/1	3	11.662	12.828	0.54	0.80	0.66	33.00	0.000	0.000	8.46	0.00	0.00
26	126.50	AIR 21, 1.3M, B4A B2P	3	11.662	12.828	0.69	0.80	12.57	271.20	0.000	0.000	161.25	0.00	0.00
27	126.50	AIR 21, 1.3M, B2A B4P	3	11.662	12.828	0.69	0.80	12.57	274.50	0.000	0.000	161.25	0.00	0.00
28	126.50	S11B12	3	11.662	12.828	0.54	0.80	4.05	152.10	0.000	0.000	51.98	0.00	0.00

Totals: 8,710.00

4,105.04

Total Applied Force Summary

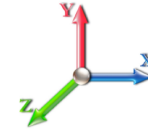
Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021	
Site Name: Bolton 2, CT	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 26



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

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		123.81	1369.44	0.00	0.00
10.00		120.96	1343.87	0.00	0.00
15.00		119.58	1318.30	0.00	0.00
20.00		123.58	1292.73	0.00	0.00
25.00		126.07	1267.16	0.00	0.00
30.00		127.52	1241.58	0.00	0.00
35.00		128.18	1216.01	0.00	0.00
40.00		128.23	1190.44	0.00	0.00
44.58		117.05	1068.77	0.00	0.00
45.00		10.66	158.85	0.00	0.00
50.00		128.73	1880.80	0.00	0.00
55.00		127.55	983.61	0.00	0.00
60.00		126.05	962.30	0.00	0.00
65.00		124.28	940.99	0.00	0.00
70.00		122.27	919.68	0.00	0.00
75.00		120.04	898.37	0.00	0.00
80.00		117.61	877.06	0.00	0.00
85.00		115.00	855.75	0.00	0.00
90.00		112.23	834.44	0.00	0.00
90.33		7.34	54.87	0.00	0.00
94.58		94.26	1071.69	0.00	0.00
95.00		9.09	58.58	0.00	0.00
100.00		107.91	693.73	0.00	0.00
105.00		104.73	676.68	0.00	0.00
110.00		101.42	659.64	0.00	0.00
115.00		98.00	642.59	0.00	0.00
120.00		94.47	625.54	0.00	0.00
125.00		90.83	608.49	0.00	0.00
126.50	(16) attachments	1012.62	2159.42	0.00	0.00
130.00		60.50	364.69	0.00	0.00
135.00		83.27	506.50	0.00	0.00
137.00	(25) attachments	1295.73	2950.12	0.00	0.00
140.00		47.07	227.37	0.00	0.00
145.00		59.40	437.33	0.00	0.00
150.00	(36) attachments	1915.12	4414.83	0.00	20.02
Totals:		7,401.14	36,772.21	0.00	20.02

Calculated Forces

Structure: CT11558-A-SBA

Code: EIA/TIA-222-G

11/4/2021

Site Name: Bolton 2, CT

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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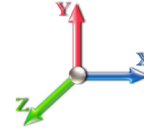


Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 23

Dead Load Factor 1.00

Wind Load 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	-36.77	-7.42	0.00	-842.09	0.00	842.09	4278.74	2139.37	9724.09	4869.27	0.00	0.000	0.000	0.182
5.00	-35.39	-7.32	0.00	-805.02	0.00	805.02	4221.33	2110.67	9372.87	4693.40	0.02	-0.046	0.000	0.180
10.00	-34.04	-7.23	0.00	-768.41	0.00	768.41	4162.04	2081.02	9023.55	4518.48	0.10	-0.093	0.000	0.178
15.00	-32.72	-7.13	0.00	-732.28	0.00	732.28	4100.85	2050.42	8676.44	4344.67	0.22	-0.142	0.000	0.177
20.00	-31.42	-7.03	0.00	-696.62	0.00	696.62	4037.77	2018.89	8331.83	4172.11	0.40	-0.192	0.000	0.175
25.00	-30.15	-6.93	0.00	-661.46	0.00	661.46	3972.80	1986.40	7990.02	4000.95	0.63	-0.242	0.000	0.173
30.00	-28.90	-6.82	0.00	-626.82	0.00	626.82	3905.95	1952.97	7651.31	3831.34	0.91	-0.294	0.000	0.171
35.00	-27.68	-6.71	0.00	-592.71	0.00	592.71	3837.20	1918.60	7315.98	3663.43	1.24	-0.348	0.000	0.169
40.00	-26.48	-6.60	0.00	-559.15	0.00	559.15	3766.57	1883.28	6984.34	3497.36	1.64	-0.402	0.000	0.167
44.58	-25.41	-6.49	0.00	-528.90	0.00	528.90	3700.16	1850.08	6683.83	3346.88	2.05	-0.453	0.000	0.165
45.00	-25.25	-6.49	0.00	-526.19	0.00	526.19	3694.04	1847.02	6656.69	3333.29	2.09	-0.458	0.000	0.165
50.00	-23.36	-6.37	0.00	-493.74	0.00	493.74	2865.12	1432.56	5102.00	2554.79	2.60	-0.515	0.000	0.201
55.00	-22.38	-6.26	0.00	-461.90	0.00	461.90	2813.03	1406.52	4862.15	2434.69	3.17	-0.574	0.000	0.198
60.00	-21.41	-6.15	0.00	-430.61	0.00	430.61	2759.06	1379.53	4624.57	2315.72	3.81	-0.642	0.000	0.194
65.00	-20.46	-6.04	0.00	-399.88	0.00	399.88	2703.19	1351.60	4389.57	2198.05	4.52	-0.711	0.000	0.190
70.00	-19.53	-5.93	0.00	-369.70	0.00	369.70	2645.44	1322.72	4157.45	2081.81	5.30	-0.782	0.000	0.185
75.00	-18.63	-5.82	0.00	-340.07	0.00	340.07	2585.79	1292.90	3928.50	1967.17	6.16	-0.854	0.000	0.180
80.00	-17.75	-5.71	0.00	-310.99	0.00	310.99	2524.26	1262.13	3703.01	1854.26	7.09	-0.927	0.000	0.175
85.00	-16.89	-5.60	0.00	-282.45	0.00	282.45	2460.84	1230.42	3481.29	1743.23	8.10	-1.001	0.000	0.169
90.00	-16.05	-5.48	0.00	-254.44	0.00	254.44	2395.53	1197.76	3263.62	1634.24	9.19	-1.075	0.000	0.162
90.33	-15.99	-5.49	0.00	-252.61	0.00	252.61	2391.11	1195.55	3249.26	1627.05	9.27	-1.080	0.000	0.162
94.58	-14.92	-5.38	0.00	-229.30	0.00	229.30	1765.27	882.63	2365.96	1184.74	10.26	-1.144	0.000	0.202
95.00	-14.86	-5.38	0.00	-227.06	0.00	227.06	1761.60	880.80	2353.37	1178.43	10.36	-1.151	0.000	0.201
100.00	-14.16	-5.28	0.00	-200.15	0.00	200.15	1716.54	858.27	2203.40	1103.34	11.61	-1.239	0.000	0.190
105.00	-13.48	-5.18	0.00	-173.74	0.00	173.74	1669.59	834.79	2055.83	1029.44	12.95	-1.326	0.000	0.177
110.00	-12.81	-5.08	0.00	-147.83	0.00	147.83	1620.75	810.37	1910.94	956.89	14.39	-1.411	0.000	0.162
115.00	-12.17	-4.99	0.00	-122.41	0.00	122.41	1570.02	785.01	1769.02	885.83	15.91	-1.492	0.000	0.146
120.00	-11.54	-4.89	0.00	-97.49	0.00	97.49	1517.40	758.70	1630.39	816.40	17.52	-1.567	0.000	0.127
125.00	-10.93	-4.79	0.00	-73.04	0.00	73.04	1462.89	731.45	1495.32	748.77	19.19	-1.635	0.000	0.105
126.50	-8.80	-3.72	0.00	-65.86	0.00	65.86	1446.17	723.09	1455.54	728.85	19.71	-1.654	0.000	0.096
130.00	-8.43	-3.66	0.00	-52.84	0.00	52.84	1395.19	697.59	1353.16	677.59	20.94	-1.693	0.000	0.084
135.00	-7.92	-3.56	0.00	-34.56	0.00	34.56	1320.75	660.37	1211.90	606.85	22.74	-1.740	0.000	0.063
137.00	-5.01	-2.18	0.00	-27.44	0.00	27.44	1290.97	645.48	1157.57	579.65	23.47	-1.756	0.000	0.051
140.00	-4.79	-2.12	0.00	-20.91	0.00	20.91	1246.30	623.15	1078.42	540.01	24.58	-1.775	0.000	0.043
140.00	-4.79	-2.12	0.00	-20.91	0.00	20.91	654.06	327.03	470.04	305.83	24.58	-1.775	0.000	0.076
145.00	-4.35	-2.05	0.00	-10.29	0.00	10.29	654.06	327.03	470.04	305.83	26.45	-1.799	0.000	0.040
150.00	0.00	-1.92	0.00	-0.02	0.00	0.02	654.06	327.03	470.04	305.83	28.34	-1.808	0.000	0.000

Final Analysis Summary

Structure: CT11558-A-SBA	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 28



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 97 mph Wind	31.0	0.00	44.07	0.00	0.00	3543.14
0.9D + 1.6W 97 mph Wind	31.0	0.00	33.04	0.00	0.00	3499.20
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.3	0.00	76.46	0.00	0.00	1081.34
1.2D + 1.0E	2.1	0.00	44.13	0.00	0.00	265.71
0.9D + 1.0E	2.1	0.00	33.09	0.00	0.00	262.09
1.0D + 1.0W 60 mph Wind	7.4	0.00	36.77	0.00	0.00	842.09

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 97 mph Wind	-16.17	-22.69	0.00	-966.54	0.00	-966.54	1765.27	882.63	2365.96	1184.74	94.58	0.826
0.9D + 1.6W 97 mph Wind	-20.05	-26.52	0.00	-2045.4	0.00	-2045.4	2865.12	1432.5	5102.00	2554.79	50.00	0.808
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-39.39	-6.99	0.00	-299.94	0.00	-299.94	1765.27	882.63	2365.96	1184.74	94.58	0.276
1.2D + 1.0E	-18.02	-1.76	0.00	-88.51	0.00	-88.51	1765.27	882.63	2365.96	1184.74	94.58	0.085
0.9D + 1.0E	-13.51	-1.73	0.00	-86.81	0.00	-86.81	1765.27	882.63	2365.96	1184.74	94.58	0.081
1.0D + 1.0W 60 mph Wind	-14.92	-5.38	0.00	-229.30	0.00	-229.30	1765.27	882.63	2365.96	1184.74	94.58	0.202

Base Plate Summary

Structure: CT11558-A-SB	Code: EIA/TIA-222-G	11/4/2021
Site Name: Bolton 2, CT	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 1.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 29



Reactions	Base Plate	Anchor Bolts
Original Design	Yield (ksi): 50.00	Bolt Circle: 62.00
Moment (kip-ft): 3019.20	Width (in): 68.00	Number Bolts: 20.00
Axial (kip): 29.11	Style: Round	Bolt Type: 2.00" F1554 105
Shear (kip): 49.50	Polygon Sides: 0.00	Bolt Diameter (in): 2.00
Analysis (1.2D + 1.6W)	Clip Length (in): 0.00	Yield (ksi): 105.00
Moment (kip-ft): 3543.14	Effective Len (in): 11.32	Ultimate (ksi): 125.00
Axial (kip): 44.07	Moment (kip-in): 449.36	Arrangement: Radial
Shear (kip): 31.03	Allow Stress (ksi): 67.50	Cluster Dist (in): 0.00
	Applied Stress (ksi): 37.80	Start Angle (deg): 0.00
	Stress Ratio: 0.56	Compression
		Force (kip): 140.98
		Allowable (kip): 250.00
		Ratio: 0.58
		Tension
		Force (kip): 133.33
		Allowable (kip): 250.00
		Ratio: 0.55

	Monopole Mat Foundation Design		Date	
			11/4/2021	
	Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
	Site Name:		Structure Height (Ft.):	150
	Site Number:	CT11558-A-SBA	Engineer Name:	J. Tibbetts
	Engr. Number:	118582	Engineer Login ID:	

Foundation Info Obtained from:

Structure Type:

Analysis or Design?

Base Reactions (Factored):

Axial Load (Kips):	44.1	Shear Force (Kips):	31.0
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3543.1

Allowable overstress %: 5.0%

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	6.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	2.50
Length of Pad (ft.):	23	Width of Pad (ft.):	23

Final Length of pad (ft)	23.0	Final width of pad (ft):	23.0
--------------------------	------	--------------------------	------

Material Properties and Rebar Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	35	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	10	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

Qty. of Rebar in Pad (L):	18	Qty. of Rebar in Pad (W):	18
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Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	18	Qty. of Rebar in Pad (W):	18
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Apply 1.35 factor for e/w Per G: 1.35

Soil Design Parameters:

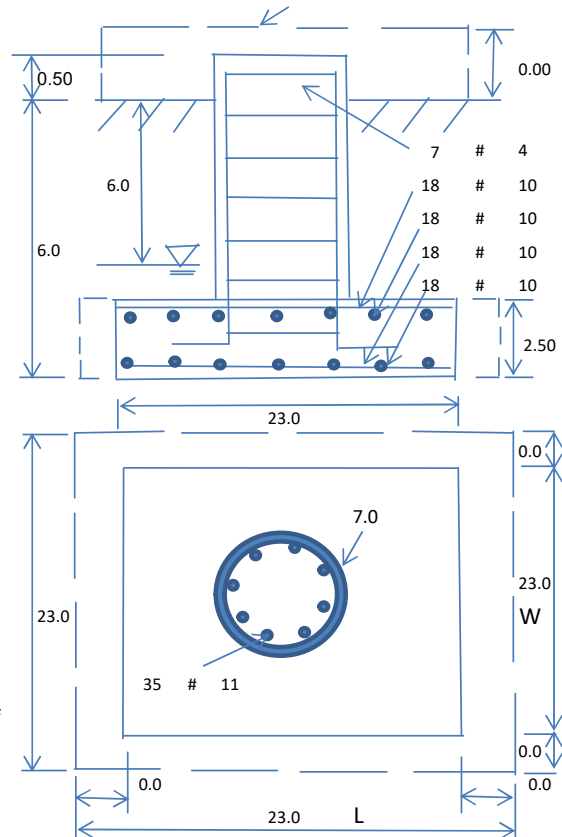
Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	50.0	Pcf
Water Table B.G.S. (ft):	6.0	Unit Weight of Water:	62.4	pcf
Ultimate Bearing Pressure (psf):	25000	Ultimate Skin Friction:	1200	Psf
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No	
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:	1.00	
		Angle from Top of Pad:	30	
		Angle from Botm of Pad:	25	
		Angle from Botm of Pad:	25	

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	1716.80	Total Dry Soil Weight (Kips):	206.02
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	206.02	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1476.44	Total Dry Concrete Weight (Kips):	221.47
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	221.47	Total Vertical Load on Base (Kips):	471.58

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):	3900	<	Allowable Factored Soil Bearing (psf):	18750	0.21	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	4931.6	>	Design Factored Momont (kips-ft):	3629	0.74	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.36					OK!



Check the capacities of Reinforcing Concrete:

Strength reduction factor (Flexure and axial tension):

0.90

Strength reduction factor (Shear):

0.75

Strength reduction factor (Axial compression):

0.65

Wind Load Factor on Concrete Design:

1.00

Load/
Capacity
Ratio**(1) Concrete Pier:**

Vertical Steel Rebar Area (sq. in./each):

1.56

Tie / Stirrup Area (sq. in./each):

0.20

Calculated Moment Capacity (Mn,Kips-Ft):

8781.7

>

Design Factored Moment (Mu, Kips-F

3667.1

0.42

OK!

Calculated Shear Capacity (Kips):

660.1

>

Design Factored Shear (Kips):

31.0

0.05

OK!

Calculated Tension Capacity (Tn, Kips):

2948.4

>

Design Factored Tension (Tu Kips):

0.0

0.00

OK!

Calculated Compression Capacity (Pn, Kips):

9701.3

>

Design Factored Axial Load (Pu Kips):

44.1

0.00

OK!

Moment & Axial Strength Combination:

0.42

OK!

Check Tie Spacing (Design/Required):

1

OK!

Pier Reinforcement Ratio:

0.010

Reinforcement Ratio is satisfied per ACI

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):

690.6

>

One-Way Factored Shear (L-D. Kips):

286.7

0.42

OK!

One-Way Design Shear Capacity (W-Direction, Kips):

690.6

>

One-Way Factored Shear (W-D., Kips)

286.7

0.42

OK!

One-Way Design Shear Capacity (Corner-Corner. Kips):

634.5

>

One-Way Factored Shear (C-C, Kips):

283.2

0.45

OK!

Lower Steel Pad Reinforcement Ratio (L-Direct.):

0.0031

OK!

Lower Steel Pad Reinf. Ratio (W-Direc

0.0031

Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):

2638.0

>

Moment at Bottom (L-Dir. K-Ft):

1385.6

0.53

OK!

Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):

2638.0

>

Moment at Bottom (W-Dir. K-Ft):

1385.6

0.53

OK!

Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):

3701.6

>

Moment at Bottom (C-C Dir. K-Ft):

1959.5

0.53

OK!

Upper Steel Pad Reinforcement Ratio (L-Direct.):

0.0031

OK!

Upper Steel Reinf. Ratio (W-Dir.):

0.0031

Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):

2638.0

>

Moment at the top (L-Dir K-Ft):

516.6

0.20

OK!

Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):

2638.0

>

Moment at the top (W-Dir K-Ft):

516.6

0.20

OK!

Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):

3701.6

>

Moment at the top (C-C Dir. K-Ft):

486.5

0.13

OK!

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

Moment transferred by punching shear:

1417.2

k-ft.

Max. factored shear stress v_{u_CD} :

4.2

Psi

Max. factored shear stress v_{u_AB} :

12.0

Psi

Factored shear Strength ϕv_n :

189.7

Psi

Max. factored shear stress v_u :

12.0

Psi

Check Usage of Punching Shear Capacity:

0.06

OK!



Maser Consulting Connecticut
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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10089231
Maser Consulting Connecticut Project #: 21777789A

July 29, 2021

Site Information

Site ID: 468217-VZW / MANCHESTER 2 CT
Site Name: MANCHESTER 2 CT
Carrier Name: Verizon Wireless
Address: 12 Carpenter Rd
Manchester, Connecticut 06043
Tolland County
Latitude: 41.779083°
Longitude: -72.465306°

Structure Information

Tower Type: 139-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16092588

Analysis Results

Platform: 85.1% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Jared Adkins



Digitally signed by Justin Linette
Date: 2021.07.29 11:06:41-04'00'

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: 324286, dated July 9, 2021
Mount Mapping Report	Elite ICT, Site ID: CT11558, dated April 23, 2021
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 21777789A, dated July 20, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777789A, dated July 29, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), Ice Wind Speed (3-sec. Gust): Design Ice Thickness: Risk Category: Exposure Category: Topographic Category: Topographic Feature Considered: Topographic Method: Ground Elevation Factor, K_e :	118 mph 50 mph 1.50 in II B 1 N/A N/A 0.979
Seismic Parameters:	S_s : S_1 :	0.190 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): Maintenance Live Load, L_v : Maintenance Live Load, L_m :	30 mph 250 lbs. 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
			Commscope		Added
			Commscope		
			Samsung		
			Samsung		
			Samsung	RF4439d-25A	
			Samsung	RF4440d-13A	
			Amphenol Antel		Retained
			Antel		

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal		Pass
Platform Crossmember		Pass
Cross Arm Plate		Pass
Face Horizontal		Pass
Mount Pipe		Pass
Support Rail		Pass
Connection Check		Pass

Structure Rating – (Controlling Utilization of all Components)	85.1%
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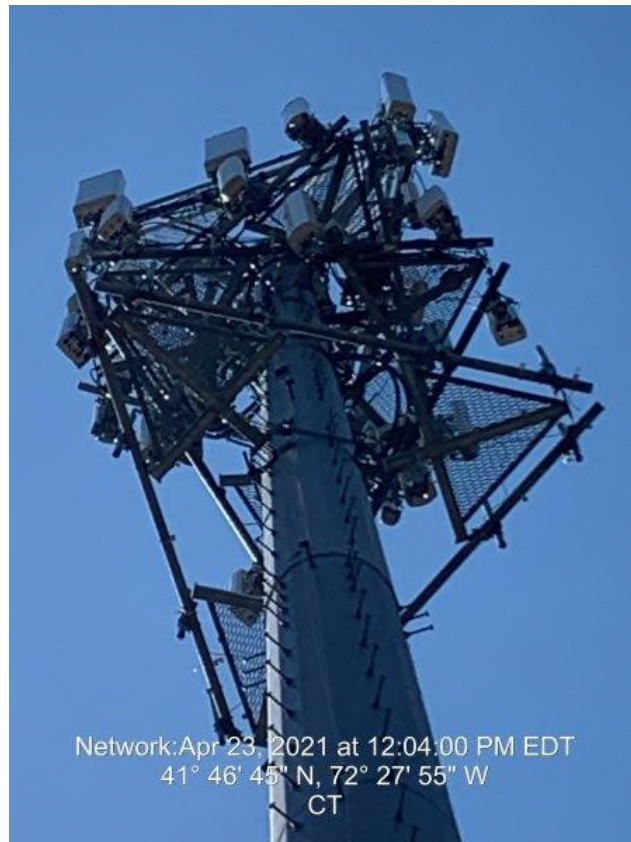
Recommendation:

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

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

Attachments:

Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter



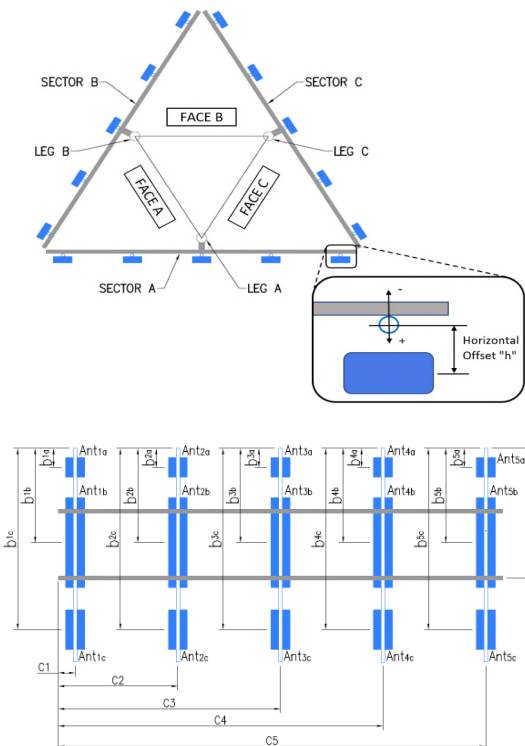
	Antenna Mount Mapping Form (PATENT PENDING)			FCC #
				1260531
Tower Owner:	SBA	Mapping Date:	4/23/2021	
Site Name:	MANCHESTER 2	Tower Type:	Monopole	
Site Number or ID:	CT11558	Tower Height (Ft.):	150	
Mapping Contractor:	ELITE ICT	Mount Elevation (Ft.):	137	

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

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	84X2.34 STD P	51.00	12.00	C1	84X2.34 STD P	51.00	12.00
A2	84X2.34 STD P	51.00	49.50	C2	84X2.34 STD P	51.00	49.50
A3	84X2.34 STD P	51.00	110.50	C3	84X2.34 STD P	51.00	110.50
A4	84X2.34 STD P	51.00	135.50	C4	84X2.34 STD P	51.00	135.50
A5				C5			
A6				C6			
B1	84X2.34 STD P	51.00	12.00	D1			
B2	84X2.34 STD P	51.00	49.50	D2			
B3	84X2.34 STD P	51.00	110.50	D3			
B4	84X2.34 STD P	51.00	135.50	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.) :							0
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							0
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.):					26.5
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							
							8-Mar

	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}	SBNHH-1D65B+137-P	12.00	7.50	72.00		138.333	35.00	8.50	90.00	19
Ant _{1b}	B4RRH2X60-4R	10.50	6.00	36.00		139.167	25.00	7.00		7
Ant _{1c}										
Ant _{2a}	BXA70063/6CFED1N2	10.50	5.00	72.00		138.208	36.50	9.00	90.00	37
Ant _{2b}	B13RRH4X30	12.00	7.50	20.00		138.875	28.50	7.00		42
Ant _{2c}										
Ant _{3a}	SBNHH-1D65B	12.00	7.50	72.00		138.333	35.00	8.50	90.00	48
Ant _{3b}										
Ant _{3c}										
Ant _{4a}	BXA70063/4CF-EDIN	11.50	6.00	48.00		139.167	25.00	12.00	90.00	54
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Antenna Layout (Looking Out From Tower)

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

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

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

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



Antenna Mount Mapping Form (PATENT PENDING)

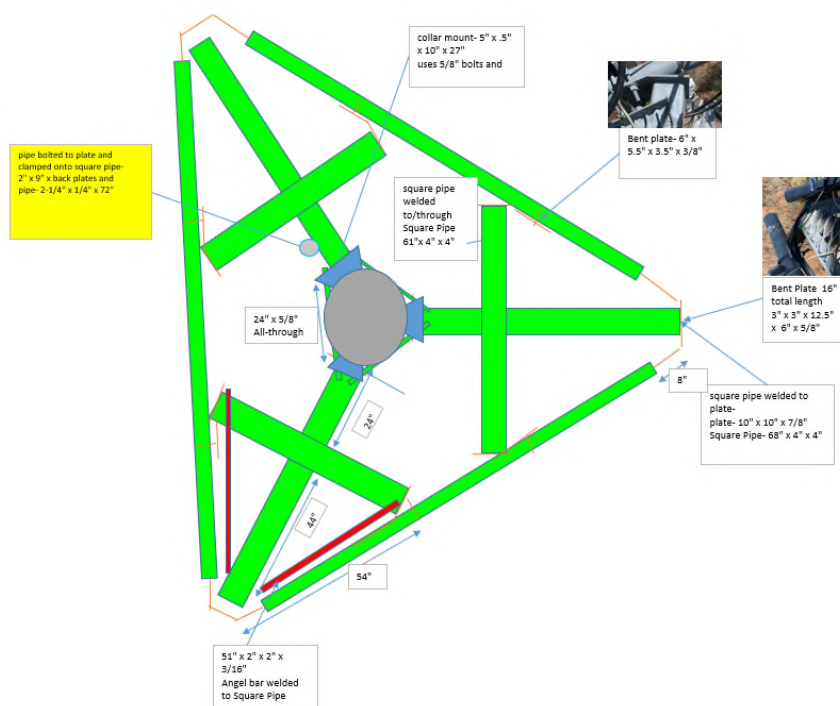
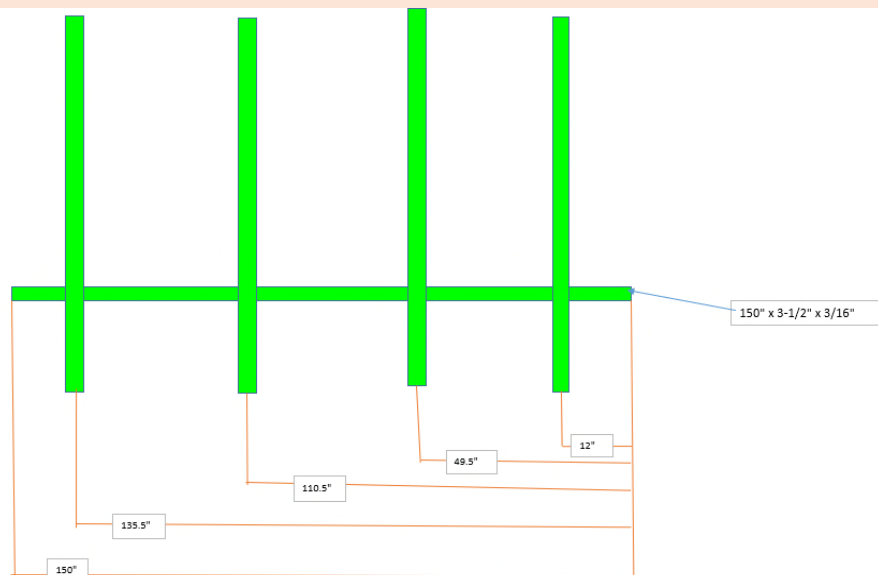
FCC #

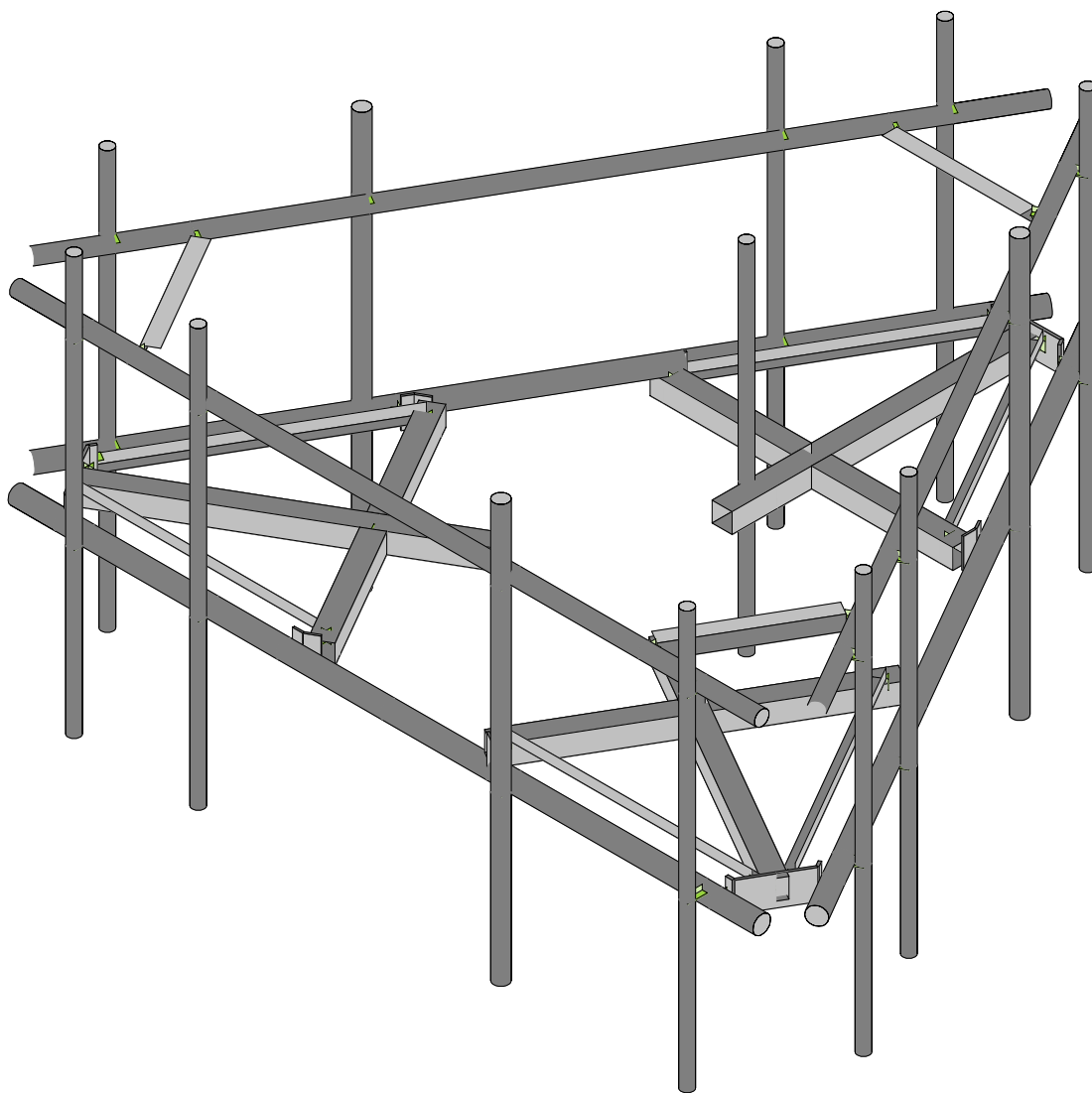
1260531

Tower Owner:	SBA	Mapping Date:	4/23/2021
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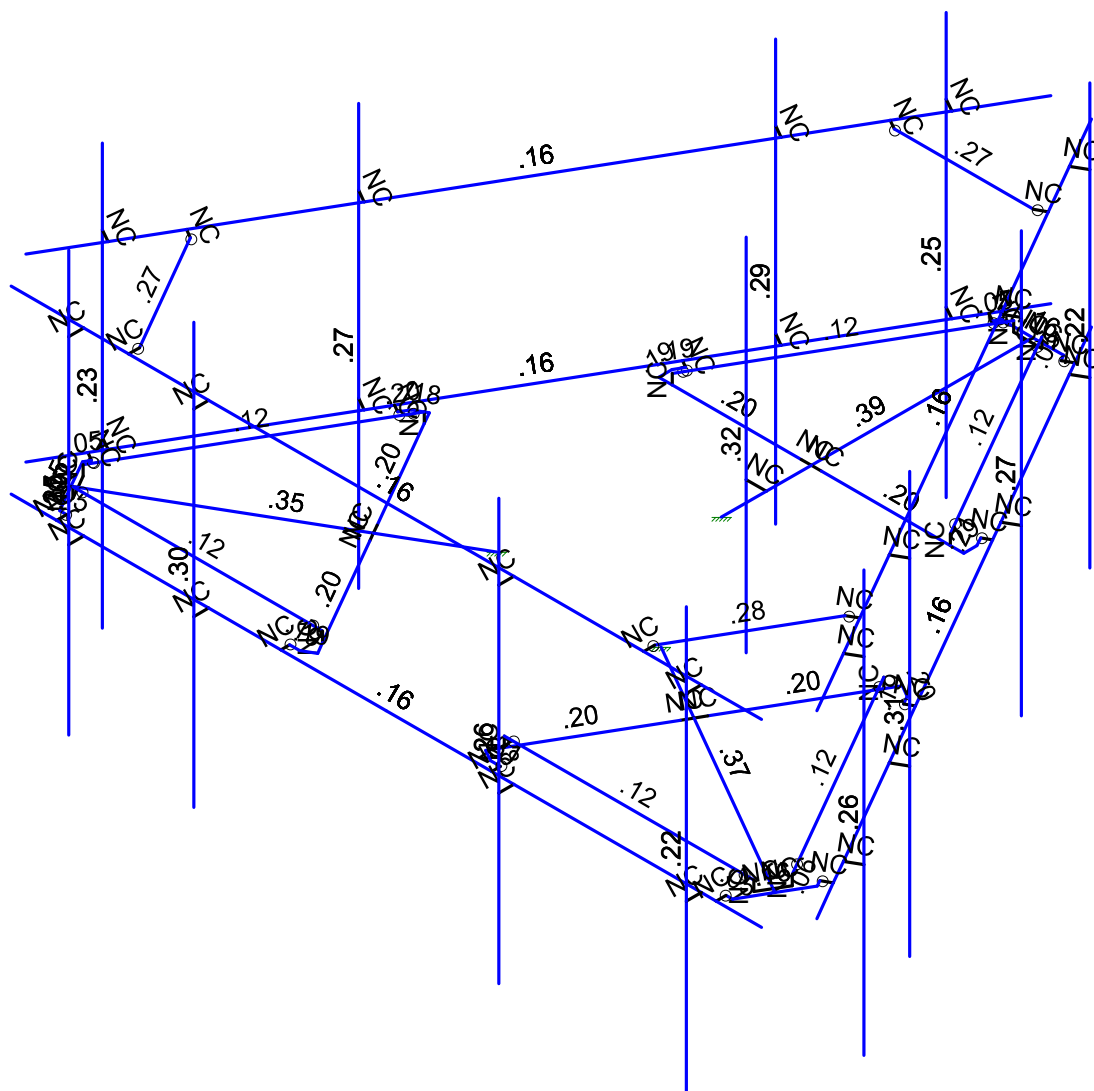
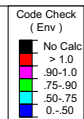
Please Insert Sketches of the Antenna Mount





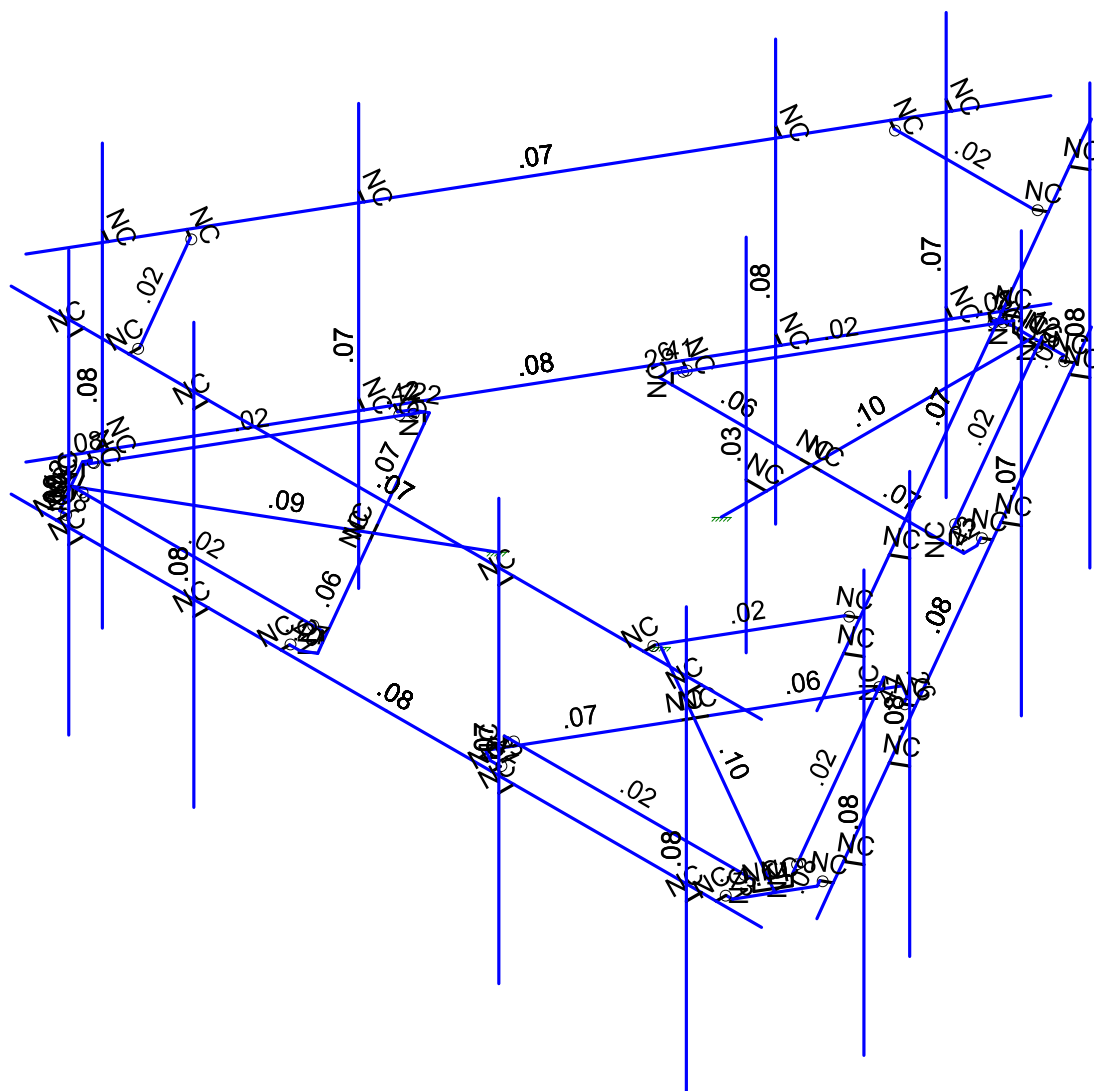
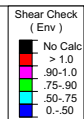
Envelope Only Solution

Maser Consulting		SK - 1
		July 28, 2021 at 10:04 AM
		MOD_468217-VZW_MT_LO_H.r3d



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

Maser Consulting	SK - 2
	July 28, 2021 at 10:15 AM
	MOD_468217-VZW_MT_LO_H.r3d



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

Maser Consulting		SK - 3
		July 28, 2021 at 10:16 AM
		MOD_468217-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					105		
2	Antenna Di	None					105		
3	Antenna Wo (0 Deg)	None					105		
4	Antenna Wo (30 Deg)	None					105		
5	Antenna Wo (60 Deg)	None					105		
6	Antenna Wo (90 Deg)	None					105		
7	Antenna Wo (120 Deg)	None					105		
8	Antenna Wo (150 Deg)	None					105		
9	Antenna Wo (180 Deg)	None					105		
10	Antenna Wo (210 Deg)	None					105		
11	Antenna Wo (240 Deg)	None					105		
12	Antenna Wo (270 Deg)	None					105		
13	Antenna Wo (300 Deg)	None					105		
14	Antenna Wo (330 Deg)	None					105		
15	Antenna Wi (0 Deg)	None					105		
16	Antenna Wi (30 Deg)	None					105		
17	Antenna Wi (60 Deg)	None					105		
18	Antenna Wi (90 Deg)	None					105		
19	Antenna Wi (120 Deg)	None					105		
20	Antenna Wi (150 Deg)	None					105		
21	Antenna Wi (180 Deg)	None					105		
22	Antenna Wi (210 Deg)	None					105		
23	Antenna Wi (240 Deg)	None					105		
24	Antenna Wi (270 Deg)	None					105		
25	Antenna Wi (300 Deg)	None					105		
26	Antenna Wi (330 Deg)	None					105		
27	Antenna Wm (0 Deg)	None					105		
28	Antenna Wm (30 Deg)	None					105		
29	Antenna Wm (60 Deg)	None					105		
30	Antenna Wm (90 Deg)	None					105		
31	Antenna Wm (120 Deg)	None					105		
32	Antenna Wm (150 Deg)	None					105		
33	Antenna Wm (180 Deg)	None					105		
34	Antenna Wm (210 Deg)	None					105		
35	Antenna Wm (240 Deg)	None					105		
36	Antenna Wm (270 Deg)	None					105		
37	Antenna Wm (300 Deg)	None					105		
38	Antenna Wm (330 Deg)	None					105		
39	Structure D	None		-1					3
40	Structure Di	None						58	3
41	Structure Wo (0 Deg)	None						116	
42	Structure Wo (30 Deg)	None						116	
43	Structure Wo (60 Deg)	None						116	
44	Structure Wo (90 Deg)	None						116	
45	Structure Wo (120 D...	None						116	
46	Structure Wo (150 D...	None						116	
47	Structure Wo (180 D...	None						116	
48	Structure Wo (210 D...	None						116	
49	Structure Wo (240 D...	None						116	
50	Structure Wo (270 D...	None						116	
51	Structure Wo (300 D...	None						116	
52	Structure Wo (330 D...	None						116	
53	Structure Wi (0 Deg)	None						116	
54	Structure Wi (30 Deg)	None						116	
55	Structure Wi (60 Deg)	None						116	
56	Structure Wi (90 Deg)	None						116	

Basic Load Cases (Continued)

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

Load Combinations

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

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N131	2.458333	0	-3.446421	0	
16	N135	0.571615	0	-6.673857	0	
17	N144	-2.458333	0	-3.446421	0	
18	N148	-0.571615	0	-6.673857	0	
19	N86A	2.584629	0	-3.519338	0	
20	N86B	-2.584629	0	-3.519338	0	
21	N86C	-0.515625	0	-6.770833	0	
22	N87A	0.515625	0	-6.770833	0	
23	N86D	0.715429	0	-6.756888	0	
24	N86E	-0.715429	0	-6.756888	0	
25	N88A	-0.	0	-6.6875	0	
26	N87C	0.234238	0.166667	-6.6875	0	
27	N86G	0.234238	0	-6.6875	0	
28	N87B	-0.234238	0.166667	-6.6875	0	
29	N88C	-0.234238	0	-6.6875	0	
30	N30A	-1.371207	0	0.791667	0	
31	N31	-1.399412	0	3.742815	0	
32	N32	-3.827797	0.166667	-0.463272	0	
33	N33	-1.512693	0.166667	3.546606	0	
34	N34	-2.670245	0	1.541667	0	
35	N35	-5.863714	0	3.385417	0	
36	N37	-3.827797	0	-0.463272	0	
37	N38	-1.512693	0	3.546606	0	
38	N39	-3.941078	0	-0.659481	0	
39	N40	-2.586912	0	1.686004	0	
40	N41	-2.753578	0	1.397329	0	
41	N42	-1.588855	0	3.85219	0	
42	N43	-4.130521	0	-0.550106	0	
43	N44	-4.213855	0	-0.405769	0	
44	N45	-6.065537	0	2.841896	0	
45	N46	-1.755521	0	3.85219	0	
46	N47	-5.493922	0	3.831961	0	
47	N48	-4.34015	0	-0.478685	0	
48	N49	-1.755521	0	3.998023	0	
49	N50	-5.605901	0	3.831961	0	
50	N51	-6.121526	0	2.938872	0	
51	N52	-6.209351	0	2.758864	0	
52	N53	-5.493922	0	3.998023	0	
53	N54	-5.791545	0	3.34375	0	
54	N55	-5.908664	0.166667	3.140894	0	
55	N56	-5.908664	0	3.140894	0	
56	N57	-5.674426	0.166667	3.546606	0	
57	N58	-5.674426	0	3.546606	0	
58	N59	1.371207	0	0.791667	0	
59	N60	3.941078	0	-0.659481	0	
60	N61	1.512693	0.166667	3.546606	0	
61	N62	3.827797	0.166667	-0.463272	0	
62	N63	2.670245	0	1.541667	0	
63	N64	5.863714	0	3.385417	0	
64	N66	1.512693	0	3.546606	0	
65	N67	3.827797	0	-0.463272	0	
66	N68	1.399412	0	3.742815	0	
67	N69	2.753578	0	1.397329	0	
68	N70	2.586912	0	1.686004	0	
69	N71	4.130521	0	-0.550106	0	
70	N72	1.588855	0	3.85219	0	
71	N73	1.755521	0	3.85219	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	5.493922	0	3.831961	0	
73	N75	4.213855	0	-0.405769	0	
74	N76	6.065537	0	2.841896	0	
75	N77	1.755521	0	3.998023	0	
76	N78	4.34015	0	-0.478686	0	
77	N79	6.121526	0	2.938872	0	
78	N80	5.605901	0	3.831961	0	
79	N81	5.493922	0	3.998023	0	
80	N82	6.209351	0	2.758864	0	
81	N83	5.791545	0	3.34375	0	
82	N84	5.674426	0.166667	3.546606	0	
83	N85	5.674426	0	3.546606	0	
84	N86	5.908664	0.166667	3.140894	0	
85	N87	5.908664	0	3.140894	0	
86	N86F	0.	0	3.998023	0	
87	N87D	6.25	0	3.998023	0	
88	N88	-6.25	0	3.998023	0	
89	N90	0.33739	0	-7.41167	0	
90	N91	6.58739	0	3.413647	0	
91	N93	-6.58739	0	3.413647	0	
92	N94	-0.33739	0	-7.41167	0	
93	N93A	5.25	0	3.998023	0	
94	N94A	5.25	0	4.248023	0	
95	N95	5.25	4.25	4.248023	0	
96	N96	5.25	-2.75	4.248023	0	
97	N97	2.125	0	3.998023	0	
98	N98	2.125	0	4.248023	0	
99	N99	2.125	4.25	4.248023	0	
100	N100	2.125	-2.75	4.248023	0	
101	N101A	-2.958333	0	3.998023	0	
102	N102A	-2.958333	0	4.248023	0	
103	N103	-2.958333	4.25	4.248023	0	
104	N104	-2.958333	-2.75	4.248023	0	
105	N105A	-5.041667	0	3.998023	0	
106	N106	-5.041667	0	4.248023	0	
107	N107	-5.041667	4.25	4.248023	0	
108	N108	-5.041667	-2.75	4.248023	0	
109	N110	0.83739	0	-6.545645	0	
110	N111	1.053896	0	-6.670645	0	
111	N112	1.053896	4.25	-6.670645	0	
112	N113	1.053896	-2.75	-6.670645	0	
113	N114	2.39989	0	-3.839316	0	
114	N115	2.616396	0	-3.964316	0	
115	N116	2.616396	4.25	-3.964316	0	
116	N117	2.616396	-2.75	-3.964316	0	
117	N118	4.941556	0	0.56298	0	
118	N119	5.158063	0	0.43798	0	
119	N120	5.158063	4.25	0.43798	0	
120	N121	5.158063	-2.75	0.43798	0	
121	N122	5.983223	0	2.3672	0	
122	N123	6.199729	0	2.2422	0	
123	N124	6.199729	4.25	2.2422	0	
124	N125	6.199729	-2.75	2.2422	0	
125	N127	-6.08739	0	2.547622	0	
126	N128	-6.303896	0	2.422622	0	
127	N129	-6.303896	4.25	2.422622	0	
128	N130	-6.303896	-2.75	2.422622	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131A	-4.52489	0	-0.158708	0	
130	N132	-4.741396	0	-0.283708	0	
131	N133	-4.741396	4.25	-0.283708	0	
132	N134	-4.741396	-2.75	-0.283708	0	
133	N135A	-1.983223	0	-4.561003	0	
134	N136	-2.199729	0	-4.686003	0	
135	N137	-2.199729	4.25	-4.686003	0	
136	N138	-2.199729	-2.75	-4.686003	0	
137	N139	-0.941556	0	-6.365223	0	
138	N140	-1.158063	0	-6.490223	0	
139	N141	-1.158063	4.25	-6.490223	0	
140	N142	-1.158063	-2.75	-6.490223	0	
141	N141A	-0.	0	-2.333333	0	
142	N142A	-0.333333	0	-2.333333	0	
143	N143	-0.333333	3.5	-2.333333	0	
144	N144A	-0.333333	-2.5	-2.333333	0	
145	N145	6.25	3	3.998023	0	
146	N146	-6.25	3	3.998023	0	
147	N147	0.33739	3	-7.41167	0	
148	N148A	6.58739	3	3.413647	0	
149	N149	-6.58739	3	3.413647	0	
150	N150	-0.33739	3	-7.41167	0	
151	N151	5.25	3	3.998023	0	
152	N152	5.25	3	4.248023	0	
153	N153	2.125	3	3.998023	0	
154	N154	2.125	3	4.248023	0	
155	N155	-2.958333	3	3.998023	0	
156	N156	-2.958333	3	4.248023	0	
157	N157	-5.041667	3	3.998023	0	
158	N158	-5.041667	3	4.248023	0	
159	N159	0.83739	3	-6.545645	0	
160	N160	1.053896	3	-6.670645	0	
161	N161	2.39989	3	-3.839316	0	
162	N162	2.616396	3	-3.964316	0	
163	N163	4.941556	3	0.56298	0	
164	N164	5.158063	3	0.43798	0	
165	N165	5.983223	3	2.3672	0	
166	N166	6.199729	3	2.2422	0	
167	N167	-6.08739	3	2.547622	0	
168	N168	-6.303896	3	2.422622	0	
169	N169	-4.52489	3	-0.158708	0	
170	N170	-4.741396	3	-0.283708	0	
171	N171	-1.983223	3	-4.561003	0	
172	N172	-2.199729	3	-4.686003	0	
173	N173	-0.941556	3	-6.365223	0	
174	N174	-1.158063	3	-6.490223	0	
175	N175	-4.291667	3	3.998023	0	
176	N176	-4.291667	3	3.818023	0	
177	N177	4.291667	3	3.998023	0	
178	N178	4.291667	3	3.818023	0	
179	N179	5.608223	3	1.717681	0	
180	N180	5.452338	3	1.807681	0	
181	N181	1.316556	3	-5.715704	0	
182	N182	1.160672	3	-5.625704	0	
183	N183	-1.316556	3	-5.715704	0	
184	N184	-1.160672	3	-5.625704	0	
185	N185	-5.608223	3	1.717681	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-5.452338	3	1.807681	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossm...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Antenna Mo...	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Cor...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Kicker	LL3x3x3x3	Column	Single Angle	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
26	M26	N39	N41			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N40	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N50	N51			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
50	M50A	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N69	N60			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N79	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N93A	N94A			RIGID	None	None	RIGID	Typical
77	MP1A	N95	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			RIGID	None	None	RIGID	Typical
79	MP2A	N99	N100			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
80	M80A	N101A	N102A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
81	MP3A	N103	N104			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N105A	N106			RIGID	None	None	RIGID	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N110	N111			RIGID	None	None	RIGID	Typical
85	MP1C	N112	N113			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N114	N115			RIGID	None	None	RIGID	Typical
87	MP2C	N116	N117			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
88	M88A	N118	N119			RIGID	None	None	RIGID	Typical
89	MP3C	N120	N121			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N122	N123			RIGID	None	None	RIGID	Typical
91	MP4C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N127	N128			RIGID	None	None	RIGID	Typical
93	MP1B	N129	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N131A	N132			RIGID	None	None	RIGID	Typical
95	MP2B	N133	N134			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
96	M96	N135A	N136			RIGID	None	None	RIGID	Typical
97	MP3B	N137	N138			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M98	N139	N140			RIGID	None	None	RIGID	Typical
99	MP4B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142A	N141A			RIGID	None	None	RIGID	Typical
101	M101	N143	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N146	N145			Support Rail	Beam	Pipe	A53 Gr.B	Typical
103	M103	N148A	N147			Support Rail	Beam	Pipe	A53 Gr.B	Typical
104	M104	N150	N149			Support Rail	Beam	Pipe	A53 Gr.B	Typical
105	M105	N151	N152			RIGID	None	None	RIGID	Typical
106	M106	N153	N154			RIGID	None	None	RIGID	Typical
107	M107	N155	N156			RIGID	None	None	RIGID	Typical
108	M108	N157	N158			RIGID	None	None	RIGID	Typical
109	M109	N159	N160			RIGID	None	None	RIGID	Typical
110	M110	N161	N162			RIGID	None	None	RIGID	Typical
111	M111	N163	N164			RIGID	None	None	RIGID	Typical
112	M112	N165	N166			RIGID	None	None	RIGID	Typical
113	M113	N167	N168			RIGID	None	None	RIGID	Typical
114	M114	N169	N170			RIGID	None	None	RIGID	Typical
115	M115	N171	N172			RIGID	None	None	RIGID	Typical
116	M116	N173	N174			RIGID	None	None	RIGID	Typical
117	M117	N175	N176			RIGID	None	None	RIGID	Typical
118	M118	N177	N178			RIGID	None	None	RIGID	Typical
119	M119	N179	N180			RIGID	None	None	RIGID	Typical
120	M120	N181	N182			RIGID	None	None	RIGID	Typical
121	M121	N183	N184			RIGID	None	None	RIGID	Typical
122	M122	N185	N186			RIGID	None	None	RIGID	Typical
123	M123	N176	N186		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N184	N182		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N180	N178		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes				None
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	MP1C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP2C						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	MP3C						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	MP1B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP2B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP3B						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes				None
103	M103						Yes				None
104	M104						Yes				None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
122	M122	OOOOOX					Yes	** NA **			None
123	M123						Yes				None
124	M124						Yes				None
125	M125						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	.5
2	MP2A	My	-.011	.5
3	MP2A	Mz	-.013	.5
4	MP2A	Y	-21.85	5.5
5	MP2A	My	-.011	5.5
6	MP2A	Mz	-.013	5.5
7	MP2B	Y	-21.85	.5
8	MP2B	My	.017	.5
9	MP2B	Mz	-.000176	.5
10	MP2B	Y	-21.85	5.5
11	MP2B	My	.017	5.5
12	MP2B	Mz	-.000176	5.5
13	MP2C	Y	-21.85	.5
14	MP2C	My	-.008	.5
15	MP2C	Mz	.015	.5
16	MP2C	Y	-21.85	5.5
17	MP2C	My	-.008	5.5
18	MP2C	Mz	.015	5.5
19	MP2A	Y	-32.3	.5
20	MP2A	My	-.016	.5
21	MP2A	Mz	.019	.5
22	MP2A	Y	-32.3	5.5
23	MP2A	My	-.016	5.5
24	MP2A	Mz	.019	5.5
25	MP2B	Y	-32.3	.5
26	MP2B	My	-.004	.5
27	MP2B	Mz	-.024	.5
28	MP2B	Y	-32.3	5.5
29	MP2B	My	-.004	5.5
30	MP2B	Mz	-.024	5.5
31	MP2C	Y	-32.3	.5
32	MP2C	My	.023	.5
33	MP2C	Mz	.009	.5
34	MP2C	Y	-32.3	5.5
35	MP2C	My	.023	5.5
36	MP2C	Mz	.009	5.5
37	MP1A	Y	-43.55	1.5
38	MP1A	My	-.022	1.5
39	MP1A	Mz	0	1.5
40	MP1A	Y	-43.55	3.5
41	MP1A	My	-.022	3.5
42	MP1A	Mz	0	3.5
43	MP1B	Y	-43.55	1.5
44	MP1B	My	.014	1.5
45	MP1B	Mz	-.017	1.5
46	MP1B	Y	-43.55	3.5
47	MP1B	My	.014	3.5
48	MP1B	Mz	-.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	Y	-43.55	1.5
50	MP1C	My	.007	1.5
51	MP1C	Mz	.02	1.5
52	MP1C	Y	-43.55	3.5
53	MP1C	My	.007	3.5
54	MP1C	Mz	.02	3.5
55	M101	Y	-32	1
56	M101	My	0	1
57	M101	Mz	0	1
58	M101	Y	-32	1.5
59	M101	My	0	1.5
60	M101	Mz	0	1.5
61	MP1A	Y	-18.7	2.5
62	MP1A	My	.009	2.5
63	MP1A	Mz	0	2.5
64	MP1B	Y	-18.7	2.5
65	MP1B	My	-.006	2.5
66	MP1B	Mz	.007	2.5
67	MP1C	Y	-18.7	2.5
68	MP1C	My	-.003	2.5
69	MP1C	Mz	-.009	2.5
70	MP2A	Y	-62.8	2.5
71	MP2A	My	.031	2.5
72	MP2A	Mz	0	2.5
73	MP2B	Y	-62.8	2.5
74	MP2B	My	-.02	2.5
75	MP2B	Mz	.024	2.5
76	MP2C	Y	-62.8	2.5
77	MP2C	My	-.011	2.5
78	MP2C	Mz	-.03	2.5
79	MP3A	Y	-62.8	2.5
80	MP3A	My	.031	2.5
81	MP3A	Mz	0	2.5
82	MP3B	Y	-62.8	2.5
83	MP3B	My	-.02	2.5
84	MP3B	Mz	.024	2.5
85	MP3C	Y	-62.8	2.5
86	MP3C	My	-.011	2.5
87	MP3C	Mz	-.03	2.5
88	MP4B	Y	-9	.5
89	MP4B	My	.003	.5
90	MP4B	Mz	-.003	.5
91	MP4B	Y	-9	5.5
92	MP4B	My	.003	5.5
93	MP4B	Mz	-.003	5.5
94	MP4C	Y	-9	.5
95	MP4C	My	.002	.5
96	MP4C	Mz	.004	.5
97	MP4C	Y	-9	5.5
98	MP4C	My	.002	5.5
99	MP4C	Mz	.004	5.5
100	MP4A	Y	-4.95	1.5
101	MP4A	My	-.002	1.5
102	MP4A	Mz	0	1.5
103	MP4A	Y	-4.95	4.5
104	MP4A	My	-.002	4.5
105	MP4A	Mz	0	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	Y	-95.494	.5
2	MP2A	My	-.048	.5
3	MP2A	Mz	-.056	.5
4	MP2A	Y	-95.494	5.5
5	MP2A	My	-.048	5.5
6	MP2A	Mz	-.056	5.5
7	MP2B	Y	-95.494	.5
8	MP2B	My	.073	.5
9	MP2B	Mz	-.00077	.5
10	MP2B	Y	-95.494	5.5
11	MP2B	My	.073	5.5
12	MP2B	Mz	-.00077	5.5
13	MP2C	Y	-95.494	.5
14	MP2C	My	-.036	.5
15	MP2C	Mz	.064	.5
16	MP2C	Y	-95.494	5.5
17	MP2C	My	-.036	5.5
18	MP2C	Mz	.064	5.5
19	MP2A	Y	-95.494	.5
20	MP2A	My	-.048	.5
21	MP2A	Mz	.056	.5
22	MP2A	Y	-95.494	5.5
23	MP2A	My	-.048	5.5
24	MP2A	Mz	.056	5.5
25	MP2B	Y	-95.494	.5
26	MP2B	My	-.012	.5
27	MP2B	Mz	-.072	.5
28	MP2B	Y	-95.494	5.5
29	MP2B	My	-.012	5.5
30	MP2B	Mz	-.072	5.5
31	MP2C	Y	-95.494	.5
32	MP2C	My	.069	.5
33	MP2C	Mz	.026	.5
34	MP2C	Y	-95.494	5.5
35	MP2C	My	.069	5.5
36	MP2C	Mz	.026	5.5
37	MP1A	Y	-56.368	1.5
38	MP1A	My	-.028	1.5
39	MP1A	Mz	0	1.5
40	MP1A	Y	-56.368	3.5
41	MP1A	My	-.028	3.5
42	MP1A	Mz	0	3.5
43	MP1B	Y	-56.368	1.5
44	MP1B	My	.018	1.5
45	MP1B	Mz	-.022	1.5
46	MP1B	Y	-56.368	3.5
47	MP1B	My	.018	3.5
48	MP1B	Mz	-.022	3.5
49	MP1C	Y	-56.368	1.5
50	MP1C	My	.01	1.5
51	MP1C	Mz	.026	1.5
52	MP1C	Y	-56.368	3.5
53	MP1C	My	.01	3.5
54	MP1C	Mz	.026	3.5
55	M101	Y	-119.624	1
56	M101	My	0	1
57	M101	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	M101	Y	-119.624	1.5
59	M101	My	0	1.5
60	M101	Mz	0	1.5
61	MP1A	Y	-32.779	2.5
62	MP1A	My	.016	2.5
63	MP1A	Mz	0	2.5
64	MP1B	Y	-32.779	2.5
65	MP1B	My	-.011	2.5
66	MP1B	Mz	.013	2.5
67	MP1C	Y	-32.779	2.5
68	MP1C	My	-.006	2.5
69	MP1C	Mz	-.015	2.5
70	MP2A	Y	-58.074	2.5
71	MP2A	My	.029	2.5
72	MP2A	Mz	0	2.5
73	MP2B	Y	-58.074	2.5
74	MP2B	My	-.019	2.5
75	MP2B	Mz	.022	2.5
76	MP2C	Y	-58.074	2.5
77	MP2C	My	-.01	2.5
78	MP2C	Mz	-.027	2.5
79	MP3A	Y	-58.074	2.5
80	MP3A	My	.029	2.5
81	MP3A	Mz	0	2.5
82	MP3B	Y	-58.074	2.5
83	MP3B	My	-.019	2.5
84	MP3B	Mz	.022	2.5
85	MP3C	Y	-58.074	2.5
86	MP3C	My	-.01	2.5
87	MP3C	Mz	-.027	2.5
88	MP4B	Y	-71.143	.5
89	MP4B	My	.023	.5
90	MP4B	Mz	-.027	.5
91	MP4B	Y	-71.143	5.5
92	MP4B	My	.023	5.5
93	MP4B	Mz	-.027	5.5
94	MP4C	Y	-71.143	.5
95	MP4C	My	.012	.5
96	MP4C	Mz	.033	.5
97	MP4C	Y	-71.143	5.5
98	MP4C	My	.012	5.5
99	MP4C	Mz	.033	5.5
100	MP4A	Y	-56.138	1.5
101	MP4A	My	-.028	1.5
102	MP4A	Mz	0	1.5
103	MP4A	Y	-56.138	4.5
104	MP4A	My	-.028	4.5
105	MP4A	Mz	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-129.875	.5
3	MP2A	Mx	.076	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-129.875	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.076	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-104.046	.5
9	MP2B	Mx	.000839	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-104.046	5.5
12	MP2B	Mx	.000839	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-91.009	.5
15	MP2C	Mx	-.061	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-91.009	5.5
18	MP2C	Mx	-.061	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-129.393	.5
21	MP2A	Mx	-.075	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-129.393	5.5
24	MP2A	Mx	-.075	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-103.847	.5
27	MP2B	Mx	.079	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-103.847	5.5
30	MP2B	Mx	.079	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-90.952	.5
33	MP2C	Mx	-.025	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-90.952	5.5
36	MP2C	Mx	-.025	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	-75.546	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5
41	MP1A	Z	-75.546	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	-48.57	1.5
45	MP1B	Mx	.019	1.5
46	MP1B	X	0	3.5
47	MP1B	Z	-48.57	3.5
48	MP1B	Mx	.019	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	-34.954	1.5
51	MP1C	Mx	-.016	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	-34.954	3.5
54	MP1C	Mx	-.016	3.5
55	M101	X	0	1
56	M101	Z	-97.666	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	-97.666	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	-32.147	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-22.735	2.5
66	MP1B	Mx	-.009	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-17.985	2.5
69	MP1C	Mx	.008	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-46.935	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	-40.379	2.5
75	MP2B	Mx	-.015	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-37.071	2.5
78	MP2C	Mx	.017	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	-46.935	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	-40.379	2.5
84	MP3B	Mx	-.015	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	-37.071	2.5
87	MP3C	Mx	.017	2.5
88	MP4B	X	0	.5
89	MP4B	Z	-81.272	.5
90	MP4B	Mx	.031	.5
91	MP4B	X	0	5.5
92	MP4B	Z	-81.272	5.5
93	MP4B	Mx	.031	5.5
94	MP4C	X	0	.5
95	MP4C	Z	-75.563	.5
96	MP4C	Mx	-.036	.5
97	MP4C	X	0	5.5
98	MP4C	Z	-75.563	5.5
99	MP4C	Mx	-.036	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-75.868	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	4.5
104	MP4A	Z	-75.868	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	59.436	.5
2	MP2A	Z	-102.945	.5
3	MP2A	Mx	.03	.5
4	MP2A	X	59.436	5.5
5	MP2A	Z	-102.945	5.5
6	MP2A	Mx	.03	5.5
7	MP2B	X	43.594	.5
8	MP2B	Z	-75.506	.5
9	MP2B	Mx	.034	.5
10	MP2B	X	43.594	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-75.506	5.5
12	MP2B	Mx	.034	5.5
13	MP2C	X	55.844	.5
14	MP2C	Z	-96.725	.5
15	MP2C	Mx	-.086	.5
16	MP2C	X	55.844	5.5
17	MP2C	Z	-96.725	5.5
18	MP2C	Mx	-.086	5.5
19	MP2A	X	59.255	.5
20	MP2A	Z	-102.632	.5
21	MP2A	Mx	-.089	.5
22	MP2A	X	59.255	5.5
23	MP2A	Z	-102.632	5.5
24	MP2A	Mx	-.089	5.5
25	MP2B	X	43.586	.5
26	MP2B	Z	-75.494	.5
27	MP2B	Mx	.052	.5
28	MP2B	X	43.586	5.5
29	MP2B	Z	-75.494	5.5
30	MP2B	Mx	.052	5.5
31	MP2C	X	55.703	.5
32	MP2C	Z	-96.48	.5
33	MP2C	Mx	.014	.5
34	MP2C	X	55.703	5.5
35	MP2C	Z	-96.48	5.5
36	MP2C	Mx	.014	5.5
37	MP1A	X	32.027	1.5
38	MP1A	Z	-55.472	1.5
39	MP1A	Mx	-.016	1.5
40	MP1A	X	32.027	3.5
41	MP1A	Z	-55.472	3.5
42	MP1A	Mx	-.016	3.5
43	MP1B	X	15.481	1.5
44	MP1B	Z	-26.814	1.5
45	MP1B	Mx	.015	1.5
46	MP1B	X	15.481	3.5
47	MP1B	Z	-26.814	3.5
48	MP1B	Mx	.015	3.5
49	MP1C	X	28.276	1.5
50	MP1C	Z	-48.976	1.5
51	MP1C	Mx	-.018	1.5
52	MP1C	X	28.276	3.5
53	MP1C	Z	-48.976	3.5
54	MP1C	Mx	-.018	3.5
55	M101	X	40.945	1
56	M101	Z	-70.918	1
57	M101	Mx	0	1
58	M101	X	40.945	1.5
59	M101	Z	-70.918	1.5
60	M101	Mx	0	1.5
61	MP1A	X	14.069	2.5
62	MP1A	Z	-24.368	2.5
63	MP1A	Mx	.007	2.5
64	MP1B	X	8.296	2.5
65	MP1B	Z	-14.369	2.5
66	MP1B	Mx	-.008	2.5
67	MP1C	X	12.76	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	-22.101	2.5
69	MP1C	Mx	.008	2.5
70	MP2A	X	22.071	2.5
71	MP2A	Z	-38.228	2.5
72	MP2A	Mx	.011	2.5
73	MP2B	X	18.05	2.5
74	MP2B	Z	-31.264	2.5
75	MP2B	Mx	-.018	2.5
76	MP2C	X	21.16	2.5
77	MP2C	Z	-36.65	2.5
78	MP2C	Mx	.014	2.5
79	MP3A	X	22.071	2.5
80	MP3A	Z	-38.228	2.5
81	MP3A	Mx	.011	2.5
82	MP3B	X	18.05	2.5
83	MP3B	Z	-31.264	2.5
84	MP3B	Mx	-.018	2.5
85	MP3C	X	21.16	2.5
86	MP3C	Z	-36.65	2.5
87	MP3C	Mx	.014	2.5
88	MP4B	X	36.945	.5
89	MP4B	Z	-63.99	.5
90	MP4B	Mx	.036	.5
91	MP4B	X	36.945	5.5
92	MP4B	Z	-63.99	5.5
93	MP4B	Mx	.036	5.5
94	MP4C	X	42.31	.5
95	MP4C	Z	-73.283	.5
96	MP4C	Mx	-.027	.5
97	MP4C	X	42.31	5.5
98	MP4C	Z	-73.283	5.5
99	MP4C	Mx	-.027	5.5
100	MP4A	X	33.353	1.5
101	MP4A	Z	-57.769	1.5
102	MP4A	Mx	-.017	1.5
103	MP4A	X	33.353	4.5
104	MP4A	Z	-57.769	4.5
105	MP4A	Mx	-.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	83.886	.5
2	MP2A	Z	-48.432	.5
3	MP2A	Mx	-.014	.5
4	MP2A	X	83.886	5.5
5	MP2A	Z	-48.432	5.5
6	MP2A	Mx	-.014	5.5
7	MP2B	X	78.816	.5
8	MP2B	Z	-45.504	.5
9	MP2B	Mx	.061	.5
10	MP2B	X	78.816	5.5
11	MP2B	Z	-45.504	5.5
12	MP2B	Mx	.061	5.5
13	MP2C	X	111.326	.5
14	MP2C	Z	-64.274	.5
15	MP2C	Mx	-.085	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	111.326	5.5
17	MP2C	Z	-64.274	5.5
18	MP2C	Mx	-.085	5.5
19	MP2A	X	83.782	.5
20	MP2A	Z	-48.372	.5
21	MP2A	Mx	-.07	.5
22	MP2A	X	83.782	5.5
23	MP2A	Z	-48.372	5.5
24	MP2A	Mx	-.07	5.5
25	MP2B	X	78.767	.5
26	MP2B	Z	-45.476	.5
27	MP2B	Mx	.025	.5
28	MP2B	X	78.767	5.5
29	MP2B	Z	-45.476	5.5
30	MP2B	Mx	.025	5.5
31	MP2C	X	110.921	.5
32	MP2C	Z	-64.04	.5
33	MP2C	Mx	.062	.5
34	MP2C	X	110.921	5.5
35	MP2C	Z	-64.04	5.5
36	MP2C	Mx	.062	5.5
37	MP1A	X	35.566	1.5
38	MP1A	Z	-20.534	1.5
39	MP1A	Mx	-.018	1.5
40	MP1A	X	35.566	3.5
41	MP1A	Z	-20.534	3.5
42	MP1A	Mx	-.018	3.5
43	MP1B	X	30.271	1.5
44	MP1B	Z	-17.477	1.5
45	MP1B	Mx	.016	1.5
46	MP1B	X	30.271	3.5
47	MP1B	Z	-17.477	3.5
48	MP1B	Mx	.016	3.5
49	MP1C	X	64.224	1.5
50	MP1C	Z	-37.08	1.5
51	MP1C	Mx	-.006	1.5
52	MP1C	X	64.224	3.5
53	MP1C	Z	-37.08	3.5
54	MP1C	Mx	-.006	3.5
55	M101	X	74.015	1
56	M101	Z	-42.733	1
57	M101	Mx	0	1
58	M101	X	74.015	1.5
59	M101	Z	-42.733	1.5
60	M101	Mx	0	1.5
61	MP1A	X	17.423	2.5
62	MP1A	Z	-10.059	2.5
63	MP1A	Mx	.009	2.5
64	MP1B	X	15.575	2.5
65	MP1B	Z	-8.992	2.5
66	MP1B	Mx	-.008	2.5
67	MP1C	X	27.422	2.5
68	MP1C	Z	-15.832	2.5
69	MP1C	Mx	.003	2.5
70	MP2A	X	33.391	2.5
71	MP2A	Z	-19.278	2.5
72	MP2A	Mx	.017	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
73	MP2B	X	32.104	2.5
74	MP2B	Z	-18.535	2.5
75	MP2B	Mx	-.017	2.5
76	MP2C	X	40.355	2.5
77	MP2C	Z	-23.299	2.5
78	MP2C	Mx	.004	2.5
79	MP3A	X	33.391	2.5
80	MP3A	Z	-19.278	2.5
81	MP3A	Mx	.017	2.5
82	MP3B	X	32.104	2.5
83	MP3B	Z	-18.535	2.5
84	MP3B	Mx	-.017	2.5
85	MP3C	X	40.355	2.5
86	MP3C	Z	-23.299	2.5
87	MP3C	Mx	.004	2.5
88	MP4B	X	65.439	.5
89	MP4B	Z	-37.781	.5
90	MP4B	Mx	.036	.5
91	MP4B	X	65.439	5.5
92	MP4B	Z	-37.781	5.5
93	MP4B	Mx	.036	5.5
94	MP4C	X	79.677	.5
95	MP4C	Z	-46.001	.5
96	MP4C	Mx	-.008	.5
97	MP4C	X	79.677	5.5
98	MP4C	Z	-46.001	5.5
99	MP4C	Mx	-.008	5.5
100	MP4A	X	41.902	1.5
101	MP4A	Z	-24.192	1.5
102	MP4A	Mx	-.021	1.5
103	MP4A	X	41.902	4.5
104	MP4A	Z	-24.192	4.5
105	MP4A	Mx	-.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	85.86	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.043	.5
4	MP2A	X	85.86	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.043	5.5
7	MP2B	X	111.689	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.086	.5
10	MP2B	X	111.689	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.086	5.5
13	MP2C	X	124.726	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.047	.5
16	MP2C	X	124.726	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.047	5.5
19	MP2A	X	85.86	.5
20	MP2A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
21	MP2A	Mx	-.043	.5
22	MP2A	X	85.86	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.043	5.5
25	MP2B	X	111.406	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.014	.5
28	MP2B	X	111.406	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.014	5.5
31	MP2C	X	124.3	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.089	.5
34	MP2C	X	124.3	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.089	5.5
37	MP1A	X	29.576	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	-.015	1.5
40	MP1A	X	29.576	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.015	3.5
43	MP1B	X	56.552	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	.018	1.5
46	MP1B	X	56.552	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.018	3.5
49	MP1C	X	70.169	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.012	1.5
52	MP1C	X	70.169	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.012	3.5
55	M101	X	104.819	1
56	M101	Z	0	1
57	M101	Mx	0	1
58	M101	X	104.819	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	16.109	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.008	2.5
64	MP1B	X	25.52	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.008	2.5
67	MP1C	X	30.271	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.005	2.5
70	MP2A	X	35.764	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.018	2.5
73	MP2B	X	42.319	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.014	2.5
76	MP2C	X	45.628	2.5
77	MP2C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	-.008	2.5
79	MP3A	X	35.764	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	.018	2.5
82	MP3B	X	42.319	2.5
83	MP3B	Z	0	2.5
84	MP3B	Mx	-.014	2.5
85	MP3C	X	45.628	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.008	2.5
88	MP4B	X	84.62	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	.027	.5
91	MP4B	X	84.62	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	.027	5.5
94	MP4C	X	90.329	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	.015	.5
97	MP4C	X	90.329	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	.015	5.5
100	MP4A	X	39.223	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.02	1.5
103	MP4A	X	39.223	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	-.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	83.886	.5
2	MP2A	Z	48.432	.5
3	MP2A	Mx	-.07	.5
4	MP2A	X	83.886	5.5
5	MP2A	Z	48.432	5.5
6	MP2A	Mx	-.07	5.5
7	MP2B	X	111.326	.5
8	MP2B	Z	64.274	.5
9	MP2B	Mx	.085	.5
10	MP2B	X	111.326	5.5
11	MP2B	Z	64.274	5.5
12	MP2B	Mx	.085	5.5
13	MP2C	X	90.106	.5
14	MP2C	Z	52.023	.5
15	MP2C	Mx	.000839	.5
16	MP2C	X	90.106	5.5
17	MP2C	Z	52.023	5.5
18	MP2C	Mx	.000839	5.5
19	MP2A	X	83.782	.5
20	MP2A	Z	48.372	.5
21	MP2A	Mx	-.014	.5
22	MP2A	X	83.782	5.5
23	MP2A	Z	48.372	5.5
24	MP2A	Mx	-.014	5.5
25	MP2B	X	110.921	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	64.04	.5
27	MP2B	Mx	-.062	.5
28	MP2B	X	110.921	5.5
29	MP2B	Z	64.04	5.5
30	MP2B	Mx	-.062	5.5
31	MP2C	X	89.934	.5
32	MP2C	Z	51.923	.5
33	MP2C	Mx	.079	.5
34	MP2C	X	89.934	5.5
35	MP2C	Z	51.923	5.5
36	MP2C	Mx	.079	5.5
37	MP1A	X	35.566	1.5
38	MP1A	Z	20.534	1.5
39	MP1A	Mx	-.018	1.5
40	MP1A	X	35.566	3.5
41	MP1A	Z	20.534	3.5
42	MP1A	Mx	-.018	3.5
43	MP1B	X	64.224	1.5
44	MP1B	Z	37.08	1.5
45	MP1B	Mx	.006	1.5
46	MP1B	X	64.224	3.5
47	MP1B	Z	37.08	3.5
48	MP1B	Mx	.006	3.5
49	MP1C	X	42.063	1.5
50	MP1C	Z	24.285	1.5
51	MP1C	Mx	.019	1.5
52	MP1C	X	42.063	3.5
53	MP1C	Z	24.285	3.5
54	MP1C	Mx	.019	3.5
55	M101	X	104.439	1
56	M101	Z	60.298	1
57	M101	Mx	0	1
58	M101	X	104.439	1.5
59	M101	Z	60.298	1.5
60	M101	Mx	0	1.5
61	MP1A	X	17.423	2.5
62	MP1A	Z	10.059	2.5
63	MP1A	Mx	.009	2.5
64	MP1B	X	27.422	2.5
65	MP1B	Z	15.832	2.5
66	MP1B	Mx	-.003	2.5
67	MP1C	X	19.689	2.5
68	MP1C	Z	11.368	2.5
69	MP1C	Mx	-.009	2.5
70	MP2A	X	33.391	2.5
71	MP2A	Z	19.278	2.5
72	MP2A	Mx	.017	2.5
73	MP2B	X	40.355	2.5
74	MP2B	Z	23.299	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	34.97	2.5
77	MP2C	Z	20.19	2.5
78	MP2C	Mx	-.015	2.5
79	MP3A	X	33.391	2.5
80	MP3A	Z	19.278	2.5
81	MP3A	Mx	.017	2.5
82	MP3B	X	40.355	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	23.299	2.5
84	MP3B	Mx	-.004	2.5
85	MP3C	X	34.97	2.5
86	MP3C	Z	20.19	2.5
87	MP3C	Mx	-.015	2.5
88	MP4B	X	79.677	.5
89	MP4B	Z	46.001	.5
90	MP4B	Mx	.008	.5
91	MP4B	X	79.677	5.5
92	MP4B	Z	46.001	5.5
93	MP4B	Mx	.008	5.5
94	MP4C	X	70.384	.5
95	MP4C	Z	40.636	.5
96	MP4C	Mx	.031	.5
97	MP4C	X	70.384	5.5
98	MP4C	Z	40.636	5.5
99	MP4C	Mx	.031	5.5
100	MP4A	X	41.902	1.5
101	MP4A	Z	24.192	1.5
102	MP4A	Mx	-.021	1.5
103	MP4A	X	41.902	4.5
104	MP4A	Z	24.192	4.5
105	MP4A	Mx	-.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	59.436	.5
2	MP2A	Z	102.945	.5
3	MP2A	Mx	-.09	.5
4	MP2A	X	59.436	5.5
5	MP2A	Z	102.945	5.5
6	MP2A	Mx	-.09	5.5
7	MP2B	X	62.363	.5
8	MP2B	Z	108.016	.5
9	MP2B	Mx	.047	.5
10	MP2B	X	62.363	5.5
11	MP2B	Z	108.016	5.5
12	MP2B	Mx	.047	5.5
13	MP2C	X	43.594	.5
14	MP2C	Z	75.506	.5
15	MP2C	Mx	.034	.5
16	MP2C	X	43.594	5.5
17	MP2C	Z	75.506	5.5
18	MP2C	Mx	.034	5.5
19	MP2A	X	59.255	.5
20	MP2A	Z	102.632	.5
21	MP2A	Mx	.03	.5
22	MP2A	X	59.255	5.5
23	MP2A	Z	102.632	5.5
24	MP2A	Mx	.03	5.5
25	MP2B	X	62.15	.5
26	MP2B	Z	107.647	.5
27	MP2B	Mx	-.089	.5
28	MP2B	X	62.15	5.5
29	MP2B	Z	107.647	5.5
30	MP2B	Mx	-.089	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	43.586	.5
32	MP2C	Z	75.494	.5
33	MP2C	Mx	.052	.5
34	MP2C	X	43.586	5.5
35	MP2C	Z	75.494	5.5
36	MP2C	Mx	.052	5.5
37	MP1A	X	32.027	1.5
38	MP1A	Z	55.472	1.5
39	MP1A	Mx	-.016	1.5
40	MP1A	X	32.027	3.5
41	MP1A	Z	55.472	3.5
42	MP1A	Mx	-.016	3.5
43	MP1B	X	35.084	1.5
44	MP1B	Z	60.768	1.5
45	MP1B	Mx	-.012	1.5
46	MP1B	X	35.084	3.5
47	MP1B	Z	60.768	3.5
48	MP1B	Mx	-.012	3.5
49	MP1C	X	15.481	1.5
50	MP1C	Z	26.814	1.5
51	MP1C	Mx	.015	1.5
52	MP1C	X	15.481	3.5
53	MP1C	Z	26.814	3.5
54	MP1C	Mx	.015	3.5
55	M101	X	58.51	1
56	M101	Z	101.342	1
57	M101	Mx	0	1
58	M101	X	58.51	1.5
59	M101	Z	101.342	1.5
60	M101	Mx	0	1.5
61	MP1A	X	14.069	2.5
62	MP1A	Z	24.368	2.5
63	MP1A	Mx	.007	2.5
64	MP1B	X	15.136	2.5
65	MP1B	Z	26.216	2.5
66	MP1B	Mx	.005	2.5
67	MP1C	X	8.296	2.5
68	MP1C	Z	14.369	2.5
69	MP1C	Mx	-.008	2.5
70	MP2A	X	22.071	2.5
71	MP2A	Z	38.228	2.5
72	MP2A	Mx	.011	2.5
73	MP2B	X	22.814	2.5
74	MP2B	Z	39.515	2.5
75	MP2B	Mx	.008	2.5
76	MP2C	X	18.05	2.5
77	MP2C	Z	31.264	2.5
78	MP2C	Mx	-.018	2.5
79	MP3A	X	22.071	2.5
80	MP3A	Z	38.228	2.5
81	MP3A	Mx	.011	2.5
82	MP3B	X	22.814	2.5
83	MP3B	Z	39.515	2.5
84	MP3B	Mx	.008	2.5
85	MP3C	X	18.05	2.5
86	MP3C	Z	31.264	2.5
87	MP3C	Mx	-.018	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4B	X	45.165	.5
89	MP4B	Z	78.227	.5
90	MP4B	Mx	-.015	.5
91	MP4B	X	45.165	5.5
92	MP4B	Z	78.227	5.5
93	MP4B	Mx	-.015	5.5
94	MP4C	X	36.945	.5
95	MP4C	Z	63.99	.5
96	MP4C	Mx	.036	.5
97	MP4C	X	36.945	5.5
98	MP4C	Z	63.99	5.5
99	MP4C	Mx	.036	5.5
100	MP4A	X	33.353	1.5
101	MP4A	Z	57.769	1.5
102	MP4A	Mx	-.017	1.5
103	MP4A	X	33.353	4.5
104	MP4A	Z	57.769	4.5
105	MP4A	Mx	-.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	129.875	.5
3	MP2A	Mx	-.076	.5
4	MP2A	X	0	5.5
5	MP2A	Z	129.875	5.5
6	MP2A	Mx	-.076	5.5
7	MP2B	X	0	.5
8	MP2B	Z	104.046	.5
9	MP2B	Mx	-.000839	.5
10	MP2B	X	0	5.5
11	MP2B	Z	104.046	5.5
12	MP2B	Mx	-.000839	5.5
13	MP2C	X	0	.5
14	MP2C	Z	91.009	.5
15	MP2C	Mx	.061	.5
16	MP2C	X	0	5.5
17	MP2C	Z	91.009	5.5
18	MP2C	Mx	.061	5.5
19	MP2A	X	0	.5
20	MP2A	Z	129.393	.5
21	MP2A	Mx	.075	.5
22	MP2A	X	0	5.5
23	MP2A	Z	129.393	5.5
24	MP2A	Mx	.075	5.5
25	MP2B	X	0	.5
26	MP2B	Z	103.847	.5
27	MP2B	Mx	-.079	.5
28	MP2B	X	0	5.5
29	MP2B	Z	103.847	5.5
30	MP2B	Mx	-.079	5.5
31	MP2C	X	0	.5
32	MP2C	Z	90.952	.5
33	MP2C	Mx	.025	.5
34	MP2C	X	0	5.5
35	MP2C	Z	90.952	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.025	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	75.546	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5
41	MP1A	Z	75.546	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	48.57	1.5
45	MP1B	Mx	-.019	1.5
46	MP1B	X	0	3.5
47	MP1B	Z	48.57	3.5
48	MP1B	Mx	-.019	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	34.954	1.5
51	MP1C	Mx	.016	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	34.954	3.5
54	MP1C	Mx	.016	3.5
55	M101	X	0	1
56	M101	Z	97.666	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	97.666	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	32.147	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	22.735	2.5
66	MP1B	Mx	.009	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	17.985	2.5
69	MP1C	Mx	-.008	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	46.935	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	40.379	2.5
75	MP2B	Mx	.015	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	37.071	2.5
78	MP2C	Mx	-.017	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	46.935	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	40.379	2.5
84	MP3B	Mx	.015	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	37.071	2.5
87	MP3C	Mx	-.017	2.5
88	MP4B	X	0	.5
89	MP4B	Z	81.272	.5
90	MP4B	Mx	-.031	.5
91	MP4B	X	0	5.5
92	MP4B	Z	81.272	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4B	Mx	-.031	5.5
94	MP4C	X	0	.5
95	MP4C	Z	75.563	.5
96	MP4C	Mx	.036	.5
97	MP4C	X	0	5.5
98	MP4C	Z	75.563	5.5
99	MP4C	Mx	.036	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	75.868	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	4.5
104	MP4A	Z	75.868	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-59.436	.5
2	MP2A	Z	102.945	.5
3	MP2A	Mx	-.03	.5
4	MP2A	X	-59.436	5.5
5	MP2A	Z	102.945	5.5
6	MP2A	Mx	-.03	5.5
7	MP2B	X	-43.594	.5
8	MP2B	Z	75.506	.5
9	MP2B	Mx	-.034	.5
10	MP2B	X	-43.594	5.5
11	MP2B	Z	75.506	5.5
12	MP2B	Mx	-.034	5.5
13	MP2C	X	-55.844	.5
14	MP2C	Z	96.725	.5
15	MP2C	Mx	.086	.5
16	MP2C	X	-55.844	5.5
17	MP2C	Z	96.725	5.5
18	MP2C	Mx	.086	5.5
19	MP2A	X	-59.255	.5
20	MP2A	Z	102.632	.5
21	MP2A	Mx	.089	.5
22	MP2A	X	-59.255	5.5
23	MP2A	Z	102.632	5.5
24	MP2A	Mx	.089	5.5
25	MP2B	X	-43.586	.5
26	MP2B	Z	75.494	.5
27	MP2B	Mx	-.052	.5
28	MP2B	X	-43.586	5.5
29	MP2B	Z	75.494	5.5
30	MP2B	Mx	-.052	5.5
31	MP2C	X	-55.703	.5
32	MP2C	Z	96.48	.5
33	MP2C	Mx	-.014	.5
34	MP2C	X	-55.703	5.5
35	MP2C	Z	96.48	5.5
36	MP2C	Mx	-.014	5.5
37	MP1A	X	-32.027	1.5
38	MP1A	Z	55.472	1.5
39	MP1A	Mx	.016	1.5
40	MP1A	X	-32.027	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	55.472	3.5
42	MP1A	Mx	.016	3.5
43	MP1B	X	-15.481	1.5
44	MP1B	Z	26.814	1.5
45	MP1B	Mx	-.015	1.5
46	MP1B	X	-15.481	3.5
47	MP1B	Z	26.814	3.5
48	MP1B	Mx	-.015	3.5
49	MP1C	X	-28.276	1.5
50	MP1C	Z	48.976	1.5
51	MP1C	Mx	.018	1.5
52	MP1C	X	-28.276	3.5
53	MP1C	Z	48.976	3.5
54	MP1C	Mx	.018	3.5
55	M101	X	-40.945	1
56	M101	Z	70.918	1
57	M101	Mx	0	1
58	M101	X	-40.945	1.5
59	M101	Z	70.918	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-14.069	2.5
62	MP1A	Z	24.368	2.5
63	MP1A	Mx	-.007	2.5
64	MP1B	X	-8.296	2.5
65	MP1B	Z	14.369	2.5
66	MP1B	Mx	.008	2.5
67	MP1C	X	-12.76	2.5
68	MP1C	Z	22.101	2.5
69	MP1C	Mx	-.008	2.5
70	MP2A	X	-22.071	2.5
71	MP2A	Z	38.228	2.5
72	MP2A	Mx	-.011	2.5
73	MP2B	X	-18.05	2.5
74	MP2B	Z	31.264	2.5
75	MP2B	Mx	.018	2.5
76	MP2C	X	-21.16	2.5
77	MP2C	Z	36.65	2.5
78	MP2C	Mx	-.014	2.5
79	MP3A	X	-22.071	2.5
80	MP3A	Z	38.228	2.5
81	MP3A	Mx	-.011	2.5
82	MP3B	X	-18.05	2.5
83	MP3B	Z	31.264	2.5
84	MP3B	Mx	.018	2.5
85	MP3C	X	-21.16	2.5
86	MP3C	Z	36.65	2.5
87	MP3C	Mx	-.014	2.5
88	MP4B	X	-36.945	.5
89	MP4B	Z	63.99	.5
90	MP4B	Mx	-.036	.5
91	MP4B	X	-36.945	5.5
92	MP4B	Z	63.99	5.5
93	MP4B	Mx	-.036	5.5
94	MP4C	X	-42.31	.5
95	MP4C	Z	73.283	.5
96	MP4C	Mx	.027	.5
97	MP4C	X	-42.31	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	73.283	5.5
99	MP4C	Mx	.027	5.5
100	MP4A	X	-33.353	1.5
101	MP4A	Z	57.769	1.5
102	MP4A	Mx	.017	1.5
103	MP4A	X	-33.353	4.5
104	MP4A	Z	57.769	4.5
105	MP4A	Mx	.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-83.886	.5
2	MP2A	Z	48.432	.5
3	MP2A	Mx	.014	.5
4	MP2A	X	-83.886	5.5
5	MP2A	Z	48.432	5.5
6	MP2A	Mx	.014	5.5
7	MP2B	X	-78.816	.5
8	MP2B	Z	45.504	.5
9	MP2B	Mx	-.061	.5
10	MP2B	X	-78.816	5.5
11	MP2B	Z	45.504	5.5
12	MP2B	Mx	-.061	5.5
13	MP2C	X	-111.326	.5
14	MP2C	Z	64.274	.5
15	MP2C	Mx	.085	.5
16	MP2C	X	-111.326	5.5
17	MP2C	Z	64.274	5.5
18	MP2C	Mx	.085	5.5
19	MP2A	X	-83.782	.5
20	MP2A	Z	48.372	.5
21	MP2A	Mx	.07	.5
22	MP2A	X	-83.782	5.5
23	MP2A	Z	48.372	5.5
24	MP2A	Mx	.07	5.5
25	MP2B	X	-78.767	.5
26	MP2B	Z	45.476	.5
27	MP2B	Mx	-.025	.5
28	MP2B	X	-78.767	5.5
29	MP2B	Z	45.476	5.5
30	MP2B	Mx	-.025	5.5
31	MP2C	X	-110.921	.5
32	MP2C	Z	64.04	.5
33	MP2C	Mx	-.062	.5
34	MP2C	X	-110.921	5.5
35	MP2C	Z	64.04	5.5
36	MP2C	Mx	-.062	5.5
37	MP1A	X	-35.566	1.5
38	MP1A	Z	20.534	1.5
39	MP1A	Mx	.018	1.5
40	MP1A	X	-35.566	3.5
41	MP1A	Z	20.534	3.5
42	MP1A	Mx	.018	3.5
43	MP1B	X	-30.271	1.5
44	MP1B	Z	17.477	1.5
45	MP1B	Mx	-.016	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	-30.271	3.5
47	MP1B	Z	17.477	3.5
48	MP1B	Mx	-.016	3.5
49	MP1C	X	-64.224	1.5
50	MP1C	Z	37.08	1.5
51	MP1C	Mx	.006	1.5
52	MP1C	X	-64.224	3.5
53	MP1C	Z	37.08	3.5
54	MP1C	Mx	.006	3.5
55	M101	X	-74.015	1
56	M101	Z	42.733	1
57	M101	Mx	0	1
58	M101	X	-74.015	1.5
59	M101	Z	42.733	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-17.423	2.5
62	MP1A	Z	10.059	2.5
63	MP1A	Mx	-.009	2.5
64	MP1B	X	-15.575	2.5
65	MP1B	Z	8.992	2.5
66	MP1B	Mx	.008	2.5
67	MP1C	X	-27.422	2.5
68	MP1C	Z	15.832	2.5
69	MP1C	Mx	-.003	2.5
70	MP2A	X	-33.391	2.5
71	MP2A	Z	19.278	2.5
72	MP2A	Mx	-.017	2.5
73	MP2B	X	-32.104	2.5
74	MP2B	Z	18.535	2.5
75	MP2B	Mx	.017	2.5
76	MP2C	X	-40.355	2.5
77	MP2C	Z	23.299	2.5
78	MP2C	Mx	-.004	2.5
79	MP3A	X	-33.391	2.5
80	MP3A	Z	19.278	2.5
81	MP3A	Mx	-.017	2.5
82	MP3B	X	-32.104	2.5
83	MP3B	Z	18.535	2.5
84	MP3B	Mx	.017	2.5
85	MP3C	X	-40.355	2.5
86	MP3C	Z	23.299	2.5
87	MP3C	Mx	-.004	2.5
88	MP4B	X	-65.439	.5
89	MP4B	Z	37.781	.5
90	MP4B	Mx	-.036	.5
91	MP4B	X	-65.439	5.5
92	MP4B	Z	37.781	5.5
93	MP4B	Mx	-.036	5.5
94	MP4C	X	-79.677	.5
95	MP4C	Z	46.001	.5
96	MP4C	Mx	.008	.5
97	MP4C	X	-79.677	5.5
98	MP4C	Z	46.001	5.5
99	MP4C	Mx	.008	5.5
100	MP4A	X	-41.902	1.5
101	MP4A	Z	24.192	1.5
102	MP4A	Mx	.021	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	-41.902	4.5
104	MP4A	Z	24.192	4.5
105	MP4A	Mx	.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-85.86	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.043	.5
4	MP2A	X	-85.86	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.043	5.5
7	MP2B	X	-111.689	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.086	.5
10	MP2B	X	-111.689	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.086	5.5
13	MP2C	X	-124.726	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.047	.5
16	MP2C	X	-124.726	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.047	5.5
19	MP2A	X	-85.86	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.043	.5
22	MP2A	X	-85.86	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.043	5.5
25	MP2B	X	-111.406	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.014	.5
28	MP2B	X	-111.406	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.014	5.5
31	MP2C	X	-124.3	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.089	.5
34	MP2C	X	-124.3	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.089	5.5
37	MP1A	X	-29.576	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	.015	1.5
40	MP1A	X	-29.576	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	.015	3.5
43	MP1B	X	-56.552	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	-.018	1.5
46	MP1B	X	-56.552	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.018	3.5
49	MP1C	X	-70.169	1.5
50	MP1C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1C	Mx	-.012	1.5
52	MP1C	X	-70.169	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.012	3.5
55	M101	X	-104.819	1
56	M101	Z	0	1
57	M101	Mx	0	1
58	M101	X	-104.819	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-16.109	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	-.008	2.5
64	MP1B	X	-25.52	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.008	2.5
67	MP1C	X	-30.271	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.005	2.5
70	MP2A	X	-35.764	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.018	2.5
73	MP2B	X	-42.319	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.014	2.5
76	MP2C	X	-45.628	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.008	2.5
79	MP3A	X	-35.764	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	-.018	2.5
82	MP3B	X	-42.319	2.5
83	MP3B	Z	0	2.5
84	MP3B	Mx	.014	2.5
85	MP3C	X	-45.628	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.008	2.5
88	MP4B	X	-84.62	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	-.027	.5
91	MP4B	X	-84.62	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	-.027	5.5
94	MP4C	X	-90.329	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	-.015	.5
97	MP4C	X	-90.329	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	-.015	5.5
100	MP4A	X	-39.223	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.02	1.5
103	MP4A	X	-39.223	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.02	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-83.886	.5
2	MP2A	Z	-48.432	.5
3	MP2A	Mx	.07	.5
4	MP2A	X	-83.886	5.5
5	MP2A	Z	-48.432	5.5
6	MP2A	Mx	.07	5.5
7	MP2B	X	-111.326	.5
8	MP2B	Z	-64.274	.5
9	MP2B	Mx	-.085	.5
10	MP2B	X	-111.326	5.5
11	MP2B	Z	-64.274	5.5
12	MP2B	Mx	-.085	5.5
13	MP2C	X	-90.106	.5
14	MP2C	Z	-52.023	.5
15	MP2C	Mx	-.000839	.5
16	MP2C	X	-90.106	5.5
17	MP2C	Z	-52.023	5.5
18	MP2C	Mx	-.000839	5.5
19	MP2A	X	-83.782	.5
20	MP2A	Z	-48.372	.5
21	MP2A	Mx	.014	.5
22	MP2A	X	-83.782	5.5
23	MP2A	Z	-48.372	5.5
24	MP2A	Mx	.014	5.5
25	MP2B	X	-110.921	.5
26	MP2B	Z	-64.04	.5
27	MP2B	Mx	.062	.5
28	MP2B	X	-110.921	5.5
29	MP2B	Z	-64.04	5.5
30	MP2B	Mx	.062	5.5
31	MP2C	X	-89.934	.5
32	MP2C	Z	-51.923	.5
33	MP2C	Mx	-.079	.5
34	MP2C	X	-89.934	5.5
35	MP2C	Z	-51.923	5.5
36	MP2C	Mx	-.079	5.5
37	MP1A	X	-35.566	1.5
38	MP1A	Z	-20.534	1.5
39	MP1A	Mx	.018	1.5
40	MP1A	X	-35.566	3.5
41	MP1A	Z	-20.534	3.5
42	MP1A	Mx	.018	3.5
43	MP1B	X	-64.224	1.5
44	MP1B	Z	-37.08	1.5
45	MP1B	Mx	-.006	1.5
46	MP1B	X	-64.224	3.5
47	MP1B	Z	-37.08	3.5
48	MP1B	Mx	-.006	3.5
49	MP1C	X	-42.063	1.5
50	MP1C	Z	-24.285	1.5
51	MP1C	Mx	-.019	1.5
52	MP1C	X	-42.063	3.5
53	MP1C	Z	-24.285	3.5
54	MP1C	Mx	-.019	3.5
55	M101	X	-104.439	1
56	M101	Z	-60.298	1
57	M101	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	M101	X	-104.439	1.5
59	M101	Z	-60.298	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-17.423	2.5
62	MP1A	Z	-10.059	2.5
63	MP1A	Mx	-.009	2.5
64	MP1B	X	-27.422	2.5
65	MP1B	Z	-15.832	2.5
66	MP1B	Mx	.003	2.5
67	MP1C	X	-19.689	2.5
68	MP1C	Z	-11.368	2.5
69	MP1C	Mx	.009	2.5
70	MP2A	X	-33.391	2.5
71	MP2A	Z	-19.278	2.5
72	MP2A	Mx	-.017	2.5
73	MP2B	X	-40.355	2.5
74	MP2B	Z	-23.299	2.5
75	MP2B	Mx	.004	2.5
76	MP2C	X	-34.97	2.5
77	MP2C	Z	-20.19	2.5
78	MP2C	Mx	.015	2.5
79	MP3A	X	-33.391	2.5
80	MP3A	Z	-19.278	2.5
81	MP3A	Mx	-.017	2.5
82	MP3B	X	-40.355	2.5
83	MP3B	Z	-23.299	2.5
84	MP3B	Mx	.004	2.5
85	MP3C	X	-34.97	2.5
86	MP3C	Z	-20.19	2.5
87	MP3C	Mx	.015	2.5
88	MP4B	X	-79.677	.5
89	MP4B	Z	-46.001	.5
90	MP4B	Mx	-.008	.5
91	MP4B	X	-79.677	5.5
92	MP4B	Z	-46.001	5.5
93	MP4B	Mx	-.008	5.5
94	MP4C	X	-70.384	.5
95	MP4C	Z	-40.636	.5
96	MP4C	Mx	-.031	.5
97	MP4C	X	-70.384	5.5
98	MP4C	Z	-40.636	5.5
99	MP4C	Mx	-.031	5.5
100	MP4A	X	-41.902	1.5
101	MP4A	Z	-24.192	1.5
102	MP4A	Mx	.021	1.5
103	MP4A	X	-41.902	4.5
104	MP4A	Z	-24.192	4.5
105	MP4A	Mx	.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-59.436	.5
2	MP2A	Z	-102.945	.5
3	MP2A	Mx	.09	.5
4	MP2A	X	-59.436	5.5
5	MP2A	Z	-102.945	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.09	5.5
7	MP2B	X	-62.363	.5
8	MP2B	Z	-108.016	.5
9	MP2B	Mx	-.047	.5
10	MP2B	X	-62.363	5.5
11	MP2B	Z	-108.016	5.5
12	MP2B	Mx	-.047	5.5
13	MP2C	X	-43.594	.5
14	MP2C	Z	-75.506	.5
15	MP2C	Mx	-.034	.5
16	MP2C	X	-43.594	5.5
17	MP2C	Z	-75.506	5.5
18	MP2C	Mx	-.034	5.5
19	MP2A	X	-59.255	.5
20	MP2A	Z	-102.632	.5
21	MP2A	Mx	-.03	.5
22	MP2A	X	-59.255	5.5
23	MP2A	Z	-102.632	5.5
24	MP2A	Mx	-.03	5.5
25	MP2B	X	-62.15	.5
26	MP2B	Z	-107.647	.5
27	MP2B	Mx	.089	.5
28	MP2B	X	-62.15	5.5
29	MP2B	Z	-107.647	5.5
30	MP2B	Mx	.089	5.5
31	MP2C	X	-43.586	.5
32	MP2C	Z	-75.494	.5
33	MP2C	Mx	-.052	.5
34	MP2C	X	-43.586	5.5
35	MP2C	Z	-75.494	5.5
36	MP2C	Mx	-.052	5.5
37	MP1A	X	-32.027	1.5
38	MP1A	Z	-55.472	1.5
39	MP1A	Mx	.016	1.5
40	MP1A	X	-32.027	3.5
41	MP1A	Z	-55.472	3.5
42	MP1A	Mx	.016	3.5
43	MP1B	X	-35.084	1.5
44	MP1B	Z	-60.768	1.5
45	MP1B	Mx	.012	1.5
46	MP1B	X	-35.084	3.5
47	MP1B	Z	-60.768	3.5
48	MP1B	Mx	.012	3.5
49	MP1C	X	-15.481	1.5
50	MP1C	Z	-26.814	1.5
51	MP1C	Mx	-.015	1.5
52	MP1C	X	-15.481	3.5
53	MP1C	Z	-26.814	3.5
54	MP1C	Mx	-.015	3.5
55	M101	X	-58.51	1
56	M101	Z	-101.342	1
57	M101	Mx	0	1
58	M101	X	-58.51	1.5
59	M101	Z	-101.342	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-14.069	2.5
62	MP1A	Z	-24.368	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP1A	Mx	-.007	2.5
64	MP1B	X	-15.136	2.5
65	MP1B	Z	-26.216	2.5
66	MP1B	Mx	-.005	2.5
67	MP1C	X	-8.296	2.5
68	MP1C	Z	-14.369	2.5
69	MP1C	Mx	.008	2.5
70	MP2A	X	-22.071	2.5
71	MP2A	Z	-38.228	2.5
72	MP2A	Mx	-.011	2.5
73	MP2B	X	-22.814	2.5
74	MP2B	Z	-39.515	2.5
75	MP2B	Mx	-.008	2.5
76	MP2C	X	-18.05	2.5
77	MP2C	Z	-31.264	2.5
78	MP2C	Mx	.018	2.5
79	MP3A	X	-22.071	2.5
80	MP3A	Z	-38.228	2.5
81	MP3A	Mx	-.011	2.5
82	MP3B	X	-22.814	2.5
83	MP3B	Z	-39.515	2.5
84	MP3B	Mx	-.008	2.5
85	MP3C	X	-18.05	2.5
86	MP3C	Z	-31.264	2.5
87	MP3C	Mx	.018	2.5
88	MP4B	X	-45.165	.5
89	MP4B	Z	-78.227	.5
90	MP4B	Mx	.015	.5
91	MP4B	X	-45.165	5.5
92	MP4B	Z	-78.227	5.5
93	MP4B	Mx	.015	5.5
94	MP4C	X	-36.945	.5
95	MP4C	Z	-63.99	.5
96	MP4C	Mx	-.036	.5
97	MP4C	X	-36.945	5.5
98	MP4C	Z	-63.99	5.5
99	MP4C	Mx	-.036	5.5
100	MP4A	X	-33.353	1.5
101	MP4A	Z	-57.769	1.5
102	MP4A	Mx	.017	1.5
103	MP4A	X	-33.353	4.5
104	MP4A	Z	-57.769	4.5
105	MP4A	Mx	.017	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	.5
2	MP2A	Z	-27.007	.5
3	MP2A	Mx	.016	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-27.007	5.5
6	MP2A	Mx	.016	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-22.3	.5
9	MP2B	Mx	.00018	.5
10	MP2B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
11	MP2B	Z	-22.3	5.5
12	MP2B	Mx	.00018	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-19.924	.5
15	MP2C	Mx	-.013	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-19.924	5.5
18	MP2C	Mx	-.013	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-27.007	.5
21	MP2A	Mx	-.016	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-27.007	5.5
24	MP2A	Mx	-.016	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-22.3	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-22.3	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-19.924	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-19.924	5.5
36	MP2C	Mx	-.005	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	-16.24	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5
41	MP1A	Z	-16.24	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	-10.942	1.5
45	MP1B	Mx	.004	1.5
46	MP1B	X	0	3.5
47	MP1B	Z	-10.942	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	-8.267	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	-8.267	3.5
54	MP1C	Mx	-.004	3.5
55	M101	X	0	1
56	M101	Z	-21.771	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	-21.771	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	-8.266	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-6.289	2.5
66	MP1B	Mx	-.002	2.5
67	MP1C	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	-5.292	2.5
69	MP1C	Mx	.002	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-11.447	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	-10.054	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-9.351	2.5
78	MP2C	Mx	.004	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	-11.447	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	-10.054	2.5
84	MP3B	Mx	-.004	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	-9.351	2.5
87	MP3C	Mx	.004	2.5
88	MP4B	X	0	.5
89	MP4B	Z	-18.078	.5
90	MP4B	Mx	.007	.5
91	MP4B	X	0	5.5
92	MP4B	Z	-18.078	5.5
93	MP4B	Mx	.007	5.5
94	MP4C	X	0	.5
95	MP4C	Z	-17.012	.5
96	MP4C	Mx	-.008	.5
97	MP4C	X	0	5.5
98	MP4C	Z	-17.012	5.5
99	MP4C	Mx	-.008	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-16.327	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	4.5
104	MP4A	Z	-16.327	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.501	.5
2	MP2A	Z	-21.652	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	12.501	5.5
5	MP2A	Z	-21.652	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	9.614	.5
8	MP2B	Z	-16.652	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	9.614	5.5
11	MP2B	Z	-16.652	5.5
12	MP2B	Mx	.008	5.5
13	MP2C	X	11.846	.5
14	MP2C	Z	-20.519	.5
15	MP2C	Mx	-.018	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	11.846	5.5
17	MP2C	Z	-20.519	5.5
18	MP2C	Mx	-.018	5.5
19	MP2A	X	12.501	.5
20	MP2A	Z	-21.652	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	12.501	5.5
23	MP2A	Z	-21.652	5.5
24	MP2A	Mx	-.019	5.5
25	MP2B	X	9.614	.5
26	MP2B	Z	-16.652	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	9.614	5.5
29	MP2B	Z	-16.652	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	11.846	.5
32	MP2C	Z	-20.519	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	11.846	5.5
35	MP2C	Z	-20.519	5.5
36	MP2C	Mx	.003	5.5
37	MP1A	X	6.991	1.5
38	MP1A	Z	-12.109	1.5
39	MP1A	Mx	-.003	1.5
40	MP1A	X	6.991	3.5
41	MP1A	Z	-12.109	3.5
42	MP1A	Mx	-.003	3.5
43	MP1B	X	3.742	1.5
44	MP1B	Z	-6.481	1.5
45	MP1B	Mx	.004	1.5
46	MP1B	X	3.742	3.5
47	MP1B	Z	-6.481	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	6.255	1.5
50	MP1C	Z	-10.833	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	6.255	3.5
53	MP1C	Z	-10.833	3.5
54	MP1C	Mx	-.004	3.5
55	M101	X	9.347	1
56	M101	Z	-16.19	1
57	M101	Mx	0	1
58	M101	X	9.347	1.5
59	M101	Z	-16.19	1.5
60	M101	Mx	0	1.5
61	MP1A	X	3.712	2.5
62	MP1A	Z	-6.429	2.5
63	MP1A	Mx	.002	2.5
64	MP1B	X	2.5	2.5
65	MP1B	Z	-4.329	2.5
66	MP1B	Mx	-.002	2.5
67	MP1C	X	3.437	2.5
68	MP1C	Z	-5.953	2.5
69	MP1C	Mx	.002	2.5
70	MP2A	X	5.427	2.5
71	MP2A	Z	-9.399	2.5
72	MP2A	Mx	.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
73	MP2B	X	4.572	2.5
74	MP2B	Z	-7.92	2.5
75	MP2B	Mx	-.005	2.5
76	MP2C	X	5.233	2.5
77	MP2C	Z	-9.064	2.5
78	MP2C	Mx	.003	2.5
79	MP3A	X	5.427	2.5
80	MP3A	Z	-9.399	2.5
81	MP3A	Mx	.003	2.5
82	MP3B	X	4.572	2.5
83	MP3B	Z	-7.92	2.5
84	MP3B	Mx	-.005	2.5
85	MP3C	X	5.233	2.5
86	MP3C	Z	-9.064	2.5
87	MP3C	Mx	.003	2.5
88	MP4B	X	8.35	.5
89	MP4B	Z	-14.463	.5
90	MP4B	Mx	.008	.5
91	MP4B	X	8.35	5.5
92	MP4B	Z	-14.463	5.5
93	MP4B	Mx	.008	5.5
94	MP4C	X	9.351	.5
95	MP4C	Z	-16.196	.5
96	MP4C	Mx	-.006	.5
97	MP4C	X	9.351	5.5
98	MP4C	Z	-16.196	5.5
99	MP4C	Mx	-.006	5.5
100	MP4A	X	7.304	1.5
101	MP4A	Z	-12.651	1.5
102	MP4A	Mx	-.004	1.5
103	MP4A	X	7.304	4.5
104	MP4A	Z	-12.651	4.5
105	MP4A	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	18.179	.5
2	MP2A	Z	-10.496	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	18.179	5.5
5	MP2A	Z	-10.496	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	17.255	.5
8	MP2B	Z	-9.962	.5
9	MP2B	Mx	.013	.5
10	MP2B	X	17.255	5.5
11	MP2B	Z	-9.962	5.5
12	MP2B	Mx	.013	5.5
13	MP2C	X	23.179	.5
14	MP2C	Z	-13.382	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	23.179	5.5
17	MP2C	Z	-13.382	5.5
18	MP2C	Mx	-.018	5.5
19	MP2A	X	18.179	.5
20	MP2A	Z	-10.496	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
21	MP2A	Mx	-.015	.5
22	MP2A	X	18.179	5.5
23	MP2A	Z	-10.496	5.5
24	MP2A	Mx	-.015	5.5
25	MP2B	X	17.255	.5
26	MP2B	Z	-9.962	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	17.255	5.5
29	MP2B	Z	-9.962	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	23.179	.5
32	MP2C	Z	-13.382	.5
33	MP2C	Mx	.013	.5
34	MP2C	X	23.179	5.5
35	MP2C	Z	-13.382	5.5
36	MP2C	Mx	.013	5.5
37	MP1A	X	8.2	1.5
38	MP1A	Z	-4.734	1.5
39	MP1A	Mx	-.004	1.5
40	MP1A	X	8.2	3.5
41	MP1A	Z	-4.734	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	7.16	1.5
44	MP1B	Z	-4.134	1.5
45	MP1B	Mx	.004	1.5
46	MP1B	X	7.16	3.5
47	MP1B	Z	-4.134	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	13.828	1.5
50	MP1C	Z	-7.984	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	13.828	3.5
53	MP1C	Z	-7.984	3.5
54	MP1C	Mx	-.001	3.5
55	M101	X	16.794	1
56	M101	Z	-9.696	1
57	M101	Mx	0	1
58	M101	X	16.794	1.5
59	M101	Z	-9.696	1.5
60	M101	Mx	0	1.5
61	MP1A	X	4.971	2.5
62	MP1A	Z	-2.87	2.5
63	MP1A	Mx	.002	2.5
64	MP1B	X	4.583	2.5
65	MP1B	Z	-2.646	2.5
66	MP1B	Mx	-.002	2.5
67	MP1C	X	7.071	2.5
68	MP1C	Z	-4.082	2.5
69	MP1C	Mx	.000709	2.5
70	MP2A	X	8.371	2.5
71	MP2A	Z	-4.833	2.5
72	MP2A	Mx	.004	2.5
73	MP2B	X	8.098	2.5
74	MP2B	Z	-4.675	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	9.851	2.5
77	MP2C	Z	-5.688	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	.000988	2.5
79	MP3A	X	8.371	2.5
80	MP3A	Z	-4.833	2.5
81	MP3A	Mx	.004	2.5
82	MP3B	X	8.098	2.5
83	MP3B	Z	-4.675	2.5
84	MP3B	Mx	-.004	2.5
85	MP3C	X	9.851	2.5
86	MP3C	Z	-5.688	2.5
87	MP3C	Mx	.000988	2.5
88	MP4B	X	14.733	.5
89	MP4B	Z	-8.506	.5
90	MP4B	Mx	.008	.5
91	MP4B	X	14.733	5.5
92	MP4B	Z	-8.506	5.5
93	MP4B	Mx	.008	5.5
94	MP4C	X	17.389	.5
95	MP4C	Z	-10.04	.5
96	MP4C	Mx	-.002	.5
97	MP4C	X	17.389	5.5
98	MP4C	Z	-10.04	5.5
99	MP4C	Mx	-.002	5.5
100	MP4A	X	9.674	1.5
101	MP4A	Z	-5.585	1.5
102	MP4A	Mx	-.005	1.5
103	MP4A	X	9.674	4.5
104	MP4A	Z	-5.585	4.5
105	MP4A	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.986	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.009	.5
4	MP2A	X	18.986	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.009	5.5
7	MP2B	X	23.693	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.018	.5
10	MP2B	X	23.693	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.018	5.5
13	MP2C	X	26.069	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.01	.5
16	MP2C	X	26.069	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.01	5.5
19	MP2A	X	18.986	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	18.986	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.009	5.5
25	MP2B	X	23.693	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	0	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	23.693	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	26.069	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	26.069	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.019	5.5
37	MP1A	X	7.211	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	-.004	1.5
40	MP1A	X	7.211	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	12.509	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	.004	1.5
46	MP1B	X	12.509	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.004	3.5
49	MP1C	X	15.184	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.003	1.5
52	MP1C	X	15.184	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.003	3.5
55	M101	X	23.165	1
56	M101	Z	0	1
57	M101	Mx	0	1
58	M101	X	23.165	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	4.898	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.002	2.5
64	MP1B	X	6.874	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.002	2.5
67	MP1C	X	7.872	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.001	2.5
70	MP2A	X	9.073	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.005	2.5
73	MP2B	X	10.466	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.003	2.5
76	MP2C	X	11.169	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	-.002	2.5
79	MP3A	X	9.073	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	.005	2.5
82	MP3B	X	10.466	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	0	2.5
84	MP3B	Mx	-.003	2.5
85	MP3C	X	11.169	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.002	2.5
88	MP4B	X	18.702	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	.006	.5
91	MP4B	X	18.702	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	.006	5.5
94	MP4C	X	19.767	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	.003	.5
97	MP4C	X	19.767	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	.003	5.5
100	MP4A	X	9.451	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.005	1.5
103	MP4A	X	9.451	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.179	.5
2	MP2A	Z	10.496	.5
3	MP2A	Mx	-.015	.5
4	MP2A	X	18.179	5.5
5	MP2A	Z	10.496	5.5
6	MP2A	Mx	-.015	5.5
7	MP2B	X	23.179	.5
8	MP2B	Z	13.382	.5
9	MP2B	Mx	.018	.5
10	MP2B	X	23.179	5.5
11	MP2B	Z	13.382	5.5
12	MP2B	Mx	.018	5.5
13	MP2C	X	19.312	.5
14	MP2C	Z	11.15	.5
15	MP2C	Mx	.00018	.5
16	MP2C	X	19.312	5.5
17	MP2C	Z	11.15	5.5
18	MP2C	Mx	.00018	5.5
19	MP2A	X	18.179	.5
20	MP2A	Z	10.496	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	18.179	5.5
23	MP2A	Z	10.496	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	23.179	.5
26	MP2B	Z	13.382	.5
27	MP2B	Mx	-.013	.5
28	MP2B	X	23.179	5.5
29	MP2B	Z	13.382	5.5
30	MP2B	Mx	-.013	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	19.312	.5
32	MP2C	Z	11.15	.5
33	MP2C	Mx	.017	.5
34	MP2C	X	19.312	5.5
35	MP2C	Z	11.15	5.5
36	MP2C	Mx	.017	5.5
37	MP1A	X	8.2	1.5
38	MP1A	Z	4.734	1.5
39	MP1A	Mx	-.004	1.5
40	MP1A	X	8.2	3.5
41	MP1A	Z	4.734	3.5
42	MP1A	Mx	-.004	3.5
43	MP1B	X	13.828	1.5
44	MP1B	Z	7.984	1.5
45	MP1B	Mx	.001	1.5
46	MP1B	X	13.828	3.5
47	MP1B	Z	7.984	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	9.476	1.5
50	MP1C	Z	5.471	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	9.476	3.5
53	MP1C	Z	5.471	3.5
54	MP1C	Mx	.004	3.5
55	M101	X	22.725	1
56	M101	Z	13.12	1
57	M101	Mx	0	1
58	M101	X	22.725	1.5
59	M101	Z	13.12	1.5
60	M101	Mx	0	1.5
61	MP1A	X	4.971	2.5
62	MP1A	Z	2.87	2.5
63	MP1A	Mx	.002	2.5
64	MP1B	X	7.071	2.5
65	MP1B	Z	4.082	2.5
66	MP1B	Mx	-.000709	2.5
67	MP1C	X	5.447	2.5
68	MP1C	Z	3.145	2.5
69	MP1C	Mx	-.002	2.5
70	MP2A	X	8.371	2.5
71	MP2A	Z	4.833	2.5
72	MP2A	Mx	.004	2.5
73	MP2B	X	9.851	2.5
74	MP2B	Z	5.688	2.5
75	MP2B	Mx	-.000987	2.5
76	MP2C	X	8.707	2.5
77	MP2C	Z	5.027	2.5
78	MP2C	Mx	-.004	2.5
79	MP3A	X	8.371	2.5
80	MP3A	Z	4.833	2.5
81	MP3A	Mx	.004	2.5
82	MP3B	X	9.851	2.5
83	MP3B	Z	5.688	2.5
84	MP3B	Mx	-.000987	2.5
85	MP3C	X	8.707	2.5
86	MP3C	Z	5.027	2.5
87	MP3C	Mx	-.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4B	X	17.389	.5
89	MP4B	Z	10.04	.5
90	MP4B	Mx	.002	.5
91	MP4B	X	17.389	5.5
92	MP4B	Z	10.04	5.5
93	MP4B	Mx	.002	5.5
94	MP4C	X	15.656	.5
95	MP4C	Z	9.039	.5
96	MP4C	Mx	.007	.5
97	MP4C	X	15.656	5.5
98	MP4C	Z	9.039	5.5
99	MP4C	Mx	.007	5.5
100	MP4A	X	9.674	1.5
101	MP4A	Z	5.585	1.5
102	MP4A	Mx	-.005	1.5
103	MP4A	X	9.674	4.5
104	MP4A	Z	5.585	4.5
105	MP4A	Mx	-.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.501	.5
2	MP2A	Z	21.652	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	12.501	5.5
5	MP2A	Z	21.652	5.5
6	MP2A	Mx	-.019	5.5
7	MP2B	X	13.034	.5
8	MP2B	Z	22.576	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	13.034	5.5
11	MP2B	Z	22.576	5.5
12	MP2B	Mx	.01	5.5
13	MP2C	X	9.614	.5
14	MP2C	Z	16.652	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	9.614	5.5
17	MP2C	Z	16.652	5.5
18	MP2C	Mx	.008	5.5
19	MP2A	X	12.501	.5
20	MP2A	Z	21.652	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	12.501	5.5
23	MP2A	Z	21.652	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	13.034	.5
26	MP2B	Z	22.576	.5
27	MP2B	Mx	-.019	.5
28	MP2B	X	13.034	5.5
29	MP2B	Z	22.576	5.5
30	MP2B	Mx	-.019	5.5
31	MP2C	X	9.614	.5
32	MP2C	Z	16.652	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	9.614	5.5
35	MP2C	Z	16.652	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.011	5.5
37	MP1A	X	6.991	1.5
38	MP1A	Z	12.109	1.5
39	MP1A	Mx	-.003	1.5
40	MP1A	X	6.991	3.5
41	MP1A	Z	12.109	3.5
42	MP1A	Mx	-.003	3.5
43	MP1B	X	7.592	1.5
44	MP1B	Z	13.15	1.5
45	MP1B	Mx	-.003	1.5
46	MP1B	X	7.592	3.5
47	MP1B	Z	13.15	3.5
48	MP1B	Mx	-.003	3.5
49	MP1C	X	3.742	1.5
50	MP1C	Z	6.481	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	3.742	3.5
53	MP1C	Z	6.481	3.5
54	MP1C	Mx	.004	3.5
55	M101	X	12.772	1
56	M101	Z	22.121	1
57	M101	Mx	0	1
58	M101	X	12.772	1.5
59	M101	Z	22.121	1.5
60	M101	Mx	0	1.5
61	MP1A	X	3.712	2.5
62	MP1A	Z	6.429	2.5
63	MP1A	Mx	.002	2.5
64	MP1B	X	3.936	2.5
65	MP1B	Z	6.817	2.5
66	MP1B	Mx	.001	2.5
67	MP1C	X	2.5	2.5
68	MP1C	Z	4.329	2.5
69	MP1C	Mx	-.002	2.5
70	MP2A	X	5.427	2.5
71	MP2A	Z	9.399	2.5
72	MP2A	Mx	.003	2.5
73	MP2B	X	5.584	2.5
74	MP2B	Z	9.673	2.5
75	MP2B	Mx	.002	2.5
76	MP2C	X	4.572	2.5
77	MP2C	Z	7.92	2.5
78	MP2C	Mx	-.005	2.5
79	MP3A	X	5.427	2.5
80	MP3A	Z	9.399	2.5
81	MP3A	Mx	.003	2.5
82	MP3B	X	5.584	2.5
83	MP3B	Z	9.673	2.5
84	MP3B	Mx	.002	2.5
85	MP3C	X	4.572	2.5
86	MP3C	Z	7.92	2.5
87	MP3C	Mx	-.005	2.5
88	MP4B	X	9.884	.5
89	MP4B	Z	17.119	.5
90	MP4B	Mx	-.003	.5
91	MP4B	X	9.884	5.5
92	MP4B	Z	17.119	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4B	Mx	-.003	5.5
94	MP4C	X	8.35	.5
95	MP4C	Z	14.463	.5
96	MP4C	Mx	.008	.5
97	MP4C	X	8.35	5.5
98	MP4C	Z	14.463	5.5
99	MP4C	Mx	.008	5.5
100	MP4A	X	7.304	1.5
101	MP4A	Z	12.651	1.5
102	MP4A	Mx	-.004	1.5
103	MP4A	X	7.304	4.5
104	MP4A	Z	12.651	4.5
105	MP4A	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	27.007	.5
3	MP2A	Mx	-.016	.5
4	MP2A	X	0	5.5
5	MP2A	Z	27.007	5.5
6	MP2A	Mx	-.016	5.5
7	MP2B	X	0	.5
8	MP2B	Z	22.3	.5
9	MP2B	Mx	-.00018	.5
10	MP2B	X	0	5.5
11	MP2B	Z	22.3	5.5
12	MP2B	Mx	-.00018	5.5
13	MP2C	X	0	.5
14	MP2C	Z	19.924	.5
15	MP2C	Mx	.013	.5
16	MP2C	X	0	5.5
17	MP2C	Z	19.924	5.5
18	MP2C	Mx	.013	5.5
19	MP2A	X	0	.5
20	MP2A	Z	27.007	.5
21	MP2A	Mx	.016	.5
22	MP2A	X	0	5.5
23	MP2A	Z	27.007	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	0	.5
26	MP2B	Z	22.3	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	0	5.5
29	MP2B	Z	22.3	5.5
30	MP2B	Mx	-.017	5.5
31	MP2C	X	0	.5
32	MP2C	Z	19.924	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	19.924	5.5
36	MP2C	Mx	.005	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	16.24	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	16.24	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	10.942	1.5
45	MP1B	Mx	-.004	1.5
46	MP1B	X	0	3.5
47	MP1B	Z	10.942	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	8.267	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	8.267	3.5
54	MP1C	Mx	.004	3.5
55	M101	X	0	1
56	M101	Z	21.771	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	21.771	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	8.266	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	6.289	2.5
66	MP1B	Mx	.002	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	5.292	2.5
69	MP1C	Mx	-.002	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	11.447	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	10.054	2.5
75	MP2B	Mx	.004	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	9.351	2.5
78	MP2C	Mx	-.004	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	11.447	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	10.054	2.5
84	MP3B	Mx	.004	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	9.351	2.5
87	MP3C	Mx	-.004	2.5
88	MP4B	X	0	.5
89	MP4B	Z	18.078	.5
90	MP4B	Mx	-.007	.5
91	MP4B	X	0	5.5
92	MP4B	Z	18.078	5.5
93	MP4B	Mx	-.007	5.5
94	MP4C	X	0	.5
95	MP4C	Z	17.012	.5
96	MP4C	Mx	.008	.5
97	MP4C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	17.012	5.5
99	MP4C	Mx	.008	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	16.327	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	4.5
104	MP4A	Z	16.327	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.501	.5
2	MP2A	Z	21.652	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	-12.501	5.5
5	MP2A	Z	21.652	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	-9.614	.5
8	MP2B	Z	16.652	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	-9.614	5.5
11	MP2B	Z	16.652	5.5
12	MP2B	Mx	-.008	5.5
13	MP2C	X	-11.846	.5
14	MP2C	Z	20.519	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	-11.846	5.5
17	MP2C	Z	20.519	5.5
18	MP2C	Mx	.018	5.5
19	MP2A	X	-12.501	.5
20	MP2A	Z	21.652	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	-12.501	5.5
23	MP2A	Z	21.652	5.5
24	MP2A	Mx	.019	5.5
25	MP2B	X	-9.614	.5
26	MP2B	Z	16.652	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	-9.614	5.5
29	MP2B	Z	16.652	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	-11.846	.5
32	MP2C	Z	20.519	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-11.846	5.5
35	MP2C	Z	20.519	5.5
36	MP2C	Mx	-.003	5.5
37	MP1A	X	-6.991	1.5
38	MP1A	Z	12.109	1.5
39	MP1A	Mx	.003	1.5
40	MP1A	X	-6.991	3.5
41	MP1A	Z	12.109	3.5
42	MP1A	Mx	.003	3.5
43	MP1B	X	-3.742	1.5
44	MP1B	Z	6.481	1.5
45	MP1B	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	-3.742	3.5
47	MP1B	Z	6.481	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	-6.255	1.5
50	MP1C	Z	10.833	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	-6.255	3.5
53	MP1C	Z	10.833	3.5
54	MP1C	Mx	.004	3.5
55	M101	X	-9.347	1
56	M101	Z	16.19	1
57	M101	Mx	0	1
58	M101	X	-9.347	1.5
59	M101	Z	16.19	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-3.712	2.5
62	MP1A	Z	6.429	2.5
63	MP1A	Mx	-.002	2.5
64	MP1B	X	-2.5	2.5
65	MP1B	Z	4.329	2.5
66	MP1B	Mx	.002	2.5
67	MP1C	X	-3.437	2.5
68	MP1C	Z	5.953	2.5
69	MP1C	Mx	-.002	2.5
70	MP2A	X	-5.427	2.5
71	MP2A	Z	9.399	2.5
72	MP2A	Mx	-.003	2.5
73	MP2B	X	-4.572	2.5
74	MP2B	Z	7.92	2.5
75	MP2B	Mx	.005	2.5
76	MP2C	X	-5.233	2.5
77	MP2C	Z	9.064	2.5
78	MP2C	Mx	-.003	2.5
79	MP3A	X	-5.427	2.5
80	MP3A	Z	9.399	2.5
81	MP3A	Mx	-.003	2.5
82	MP3B	X	-4.572	2.5
83	MP3B	Z	7.92	2.5
84	MP3B	Mx	.005	2.5
85	MP3C	X	-5.233	2.5
86	MP3C	Z	9.064	2.5
87	MP3C	Mx	-.003	2.5
88	MP4B	X	-8.35	.5
89	MP4B	Z	14.463	.5
90	MP4B	Mx	-.008	.5
91	MP4B	X	-8.35	5.5
92	MP4B	Z	14.463	5.5
93	MP4B	Mx	-.008	5.5
94	MP4C	X	-9.351	.5
95	MP4C	Z	16.196	.5
96	MP4C	Mx	.006	.5
97	MP4C	X	-9.351	5.5
98	MP4C	Z	16.196	5.5
99	MP4C	Mx	.006	5.5
100	MP4A	X	-7.304	1.5
101	MP4A	Z	12.651	1.5
102	MP4A	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	-7.304	4.5
104	MP4A	Z	12.651	4.5
105	MP4A	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.179	.5
2	MP2A	Z	10.496	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-18.179	5.5
5	MP2A	Z	10.496	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-17.255	.5
8	MP2B	Z	9.962	.5
9	MP2B	Mx	-.013	.5
10	MP2B	X	-17.255	5.5
11	MP2B	Z	9.962	5.5
12	MP2B	Mx	-.013	5.5
13	MP2C	X	-23.179	.5
14	MP2C	Z	13.382	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	-23.179	5.5
17	MP2C	Z	13.382	5.5
18	MP2C	Mx	.018	5.5
19	MP2A	X	-18.179	.5
20	MP2A	Z	10.496	.5
21	MP2A	Mx	.015	.5
22	MP2A	X	-18.179	5.5
23	MP2A	Z	10.496	5.5
24	MP2A	Mx	.015	5.5
25	MP2B	X	-17.255	.5
26	MP2B	Z	9.962	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-17.255	5.5
29	MP2B	Z	9.962	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	-23.179	.5
32	MP2C	Z	13.382	.5
33	MP2C	Mx	-.013	.5
34	MP2C	X	-23.179	5.5
35	MP2C	Z	13.382	5.5
36	MP2C	Mx	-.013	5.5
37	MP1A	X	-8.2	1.5
38	MP1A	Z	4.734	1.5
39	MP1A	Mx	.004	1.5
40	MP1A	X	-8.2	3.5
41	MP1A	Z	4.734	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-7.16	1.5
44	MP1B	Z	4.134	1.5
45	MP1B	Mx	-.004	1.5
46	MP1B	X	-7.16	3.5
47	MP1B	Z	4.134	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	-13.828	1.5
50	MP1C	Z	7.984	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1C	Mx	.001	1.5
52	MP1C	X	-13.828	3.5
53	MP1C	Z	7.984	3.5
54	MP1C	Mx	.001	3.5
55	M101	X	-16.794	1
56	M101	Z	9.696	1
57	M101	Mx	0	1
58	M101	X	-16.794	1.5
59	M101	Z	9.696	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-4.971	2.5
62	MP1A	Z	2.87	2.5
63	MP1A	Mx	-.002	2.5
64	MP1B	X	-4.583	2.5
65	MP1B	Z	2.646	2.5
66	MP1B	Mx	.002	2.5
67	MP1C	X	-7.071	2.5
68	MP1C	Z	4.082	2.5
69	MP1C	Mx	-.000709	2.5
70	MP2A	X	-8.371	2.5
71	MP2A	Z	4.833	2.5
72	MP2A	Mx	-.004	2.5
73	MP2B	X	-8.098	2.5
74	MP2B	Z	4.675	2.5
75	MP2B	Mx	.004	2.5
76	MP2C	X	-9.851	2.5
77	MP2C	Z	5.688	2.5
78	MP2C	Mx	-.000988	2.5
79	MP3A	X	-8.371	2.5
80	MP3A	Z	4.833	2.5
81	MP3A	Mx	-.004	2.5
82	MP3B	X	-8.098	2.5
83	MP3B	Z	4.675	2.5
84	MP3B	Mx	.004	2.5
85	MP3C	X	-9.851	2.5
86	MP3C	Z	5.688	2.5
87	MP3C	Mx	-.000988	2.5
88	MP4B	X	-14.733	.5
89	MP4B	Z	8.506	.5
90	MP4B	Mx	-.008	.5
91	MP4B	X	-14.733	5.5
92	MP4B	Z	8.506	5.5
93	MP4B	Mx	-.008	5.5
94	MP4C	X	-17.389	.5
95	MP4C	Z	10.04	.5
96	MP4C	Mx	.002	.5
97	MP4C	X	-17.389	5.5
98	MP4C	Z	10.04	5.5
99	MP4C	Mx	.002	5.5
100	MP4A	X	-9.674	1.5
101	MP4A	Z	5.585	1.5
102	MP4A	Mx	.005	1.5
103	MP4A	X	-9.674	4.5
104	MP4A	Z	5.585	4.5
105	MP4A	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.986	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.009	.5
4	MP2A	X	-18.986	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.009	5.5
7	MP2B	X	-23.693	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.018	.5
10	MP2B	X	-23.693	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.018	5.5
13	MP2C	X	-26.069	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.01	.5
16	MP2C	X	-26.069	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.01	5.5
19	MP2A	X	-18.986	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	-18.986	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.009	5.5
25	MP2B	X	-23.693	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	-23.693	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	-26.069	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	-26.069	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.019	5.5
37	MP1A	X	-7.211	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	.004	1.5
40	MP1A	X	-7.211	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-12.509	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	-.004	1.5
46	MP1B	X	-12.509	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.004	3.5
49	MP1C	X	-15.184	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	-.003	1.5
52	MP1C	X	-15.184	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.003	3.5
55	M101	X	-23.165	1
56	M101	Z	0	1
57	M101	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	M101	X	-23.165	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-4.898	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	-.002	2.5
64	MP1B	X	-6.874	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.002	2.5
67	MP1C	X	-7.872	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.001	2.5
70	MP2A	X	-9.073	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.005	2.5
73	MP2B	X	-10.466	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.003	2.5
76	MP2C	X	-11.169	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.002	2.5
79	MP3A	X	-9.073	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	-.005	2.5
82	MP3B	X	-10.466	2.5
83	MP3B	Z	0	2.5
84	MP3B	Mx	.003	2.5
85	MP3C	X	-11.169	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.002	2.5
88	MP4B	X	-18.702	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	-.006	.5
91	MP4B	X	-18.702	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	-.006	5.5
94	MP4C	X	-19.767	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	-.003	.5
97	MP4C	X	-19.767	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	-.003	5.5
100	MP4A	X	-9.451	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.005	1.5
103	MP4A	X	-9.451	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.179	.5
2	MP2A	Z	-10.496	.5
3	MP2A	Mx	.015	.5
4	MP2A	X	-18.179	5.5
5	MP2A	Z	-10.496	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.015	5.5
7	MP2B	X	-23.179	.5
8	MP2B	Z	-13.382	.5
9	MP2B	Mx	-.018	.5
10	MP2B	X	-23.179	5.5
11	MP2B	Z	-13.382	5.5
12	MP2B	Mx	-.018	5.5
13	MP2C	X	-19.312	.5
14	MP2C	Z	-11.15	.5
15	MP2C	Mx	-.00018	.5
16	MP2C	X	-19.312	5.5
17	MP2C	Z	-11.15	5.5
18	MP2C	Mx	-.00018	5.5
19	MP2A	X	-18.179	.5
20	MP2A	Z	-10.496	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-18.179	5.5
23	MP2A	Z	-10.496	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-23.179	.5
26	MP2B	Z	-13.382	.5
27	MP2B	Mx	.013	.5
28	MP2B	X	-23.179	5.5
29	MP2B	Z	-13.382	5.5
30	MP2B	Mx	.013	5.5
31	MP2C	X	-19.312	.5
32	MP2C	Z	-11.15	.5
33	MP2C	Mx	-.017	.5
34	MP2C	X	-19.312	5.5
35	MP2C	Z	-11.15	5.5
36	MP2C	Mx	-.017	5.5
37	MP1A	X	-8.2	1.5
38	MP1A	Z	-4.734	1.5
39	MP1A	Mx	.004	1.5
40	MP1A	X	-8.2	3.5
41	MP1A	Z	-4.734	3.5
42	MP1A	Mx	.004	3.5
43	MP1B	X	-13.828	1.5
44	MP1B	Z	-7.984	1.5
45	MP1B	Mx	-.001	1.5
46	MP1B	X	-13.828	3.5
47	MP1B	Z	-7.984	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-9.476	1.5
50	MP1C	Z	-5.471	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	-9.476	3.5
53	MP1C	Z	-5.471	3.5
54	MP1C	Mx	-.004	3.5
55	M101	X	-22.725	1
56	M101	Z	-13.12	1
57	M101	Mx	0	1
58	M101	X	-22.725	1.5
59	M101	Z	-13.12	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-4.971	2.5
62	MP1A	Z	-2.87	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP1A	Mx	-.002	2.5
64	MP1B	X	-7.071	2.5
65	MP1B	Z	-4.082	2.5
66	MP1B	Mx	.000709	2.5
67	MP1C	X	-5.447	2.5
68	MP1C	Z	-3.145	2.5
69	MP1C	Mx	.002	2.5
70	MP2A	X	-8.371	2.5
71	MP2A	Z	-4.833	2.5
72	MP2A	Mx	-.004	2.5
73	MP2B	X	-9.851	2.5
74	MP2B	Z	-5.688	2.5
75	MP2B	Mx	.000987	2.5
76	MP2C	X	-8.707	2.5
77	MP2C	Z	-5.027	2.5
78	MP2C	Mx	.004	2.5
79	MP3A	X	-8.371	2.5
80	MP3A	Z	-4.833	2.5
81	MP3A	Mx	-.004	2.5
82	MP3B	X	-9.851	2.5
83	MP3B	Z	-5.688	2.5
84	MP3B	Mx	.000987	2.5
85	MP3C	X	-8.707	2.5
86	MP3C	Z	-5.027	2.5
87	MP3C	Mx	.004	2.5
88	MP4B	X	-17.389	.5
89	MP4B	Z	-10.04	.5
90	MP4B	Mx	-.002	.5
91	MP4B	X	-17.389	5.5
92	MP4B	Z	-10.04	5.5
93	MP4B	Mx	-.002	5.5
94	MP4C	X	-15.656	.5
95	MP4C	Z	-9.039	.5
96	MP4C	Mx	-.007	.5
97	MP4C	X	-15.656	5.5
98	MP4C	Z	-9.039	5.5
99	MP4C	Mx	-.007	5.5
100	MP4A	X	-9.674	1.5
101	MP4A	Z	-5.585	1.5
102	MP4A	Mx	.005	1.5
103	MP4A	X	-9.674	4.5
104	MP4A	Z	-5.585	4.5
105	MP4A	Mx	.005	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-12.501	.5
2	MP2A	Z	-21.652	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	-12.501	5.5
5	MP2A	Z	-21.652	5.5
6	MP2A	Mx	.019	5.5
7	MP2B	X	-13.034	.5
8	MP2B	Z	-22.576	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	-13.034	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-22.576	5.5
12	MP2B	Mx	-.01	5.5
13	MP2C	X	-9.614	.5
14	MP2C	Z	-16.652	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-9.614	5.5
17	MP2C	Z	-16.652	5.5
18	MP2C	Mx	-.008	5.5
19	MP2A	X	-12.501	.5
20	MP2A	Z	-21.652	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	-12.501	5.5
23	MP2A	Z	-21.652	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	-13.034	.5
26	MP2B	Z	-22.576	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	-13.034	5.5
29	MP2B	Z	-22.576	5.5
30	MP2B	Mx	.019	5.5
31	MP2C	X	-9.614	.5
32	MP2C	Z	-16.652	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-9.614	5.5
35	MP2C	Z	-16.652	5.5
36	MP2C	Mx	-.011	5.5
37	MP1A	X	-6.991	1.5
38	MP1A	Z	-12.109	1.5
39	MP1A	Mx	.003	1.5
40	MP1A	X	-6.991	3.5
41	MP1A	Z	-12.109	3.5
42	MP1A	Mx	.003	3.5
43	MP1B	X	-7.592	1.5
44	MP1B	Z	-13.15	1.5
45	MP1B	Mx	.003	1.5
46	MP1B	X	-7.592	3.5
47	MP1B	Z	-13.15	3.5
48	MP1B	Mx	.003	3.5
49	MP1C	X	-3.742	1.5
50	MP1C	Z	-6.481	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	-3.742	3.5
53	MP1C	Z	-6.481	3.5
54	MP1C	Mx	-.004	3.5
55	M101	X	-12.772	1
56	M101	Z	-22.121	1
57	M101	Mx	0	1
58	M101	X	-12.772	1.5
59	M101	Z	-22.121	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-3.712	2.5
62	MP1A	Z	-6.429	2.5
63	MP1A	Mx	-.002	2.5
64	MP1B	X	-3.936	2.5
65	MP1B	Z	-6.817	2.5
66	MP1B	Mx	-.001	2.5
67	MP1C	X	-2.5	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	-4.329	2.5
69	MP1C	Mx	.002	2.5
70	MP2A	X	-5.427	2.5
71	MP2A	Z	-9.399	2.5
72	MP2A	Mx	-.003	2.5
73	MP2B	X	-5.584	2.5
74	MP2B	Z	-9.673	2.5
75	MP2B	Mx	-.002	2.5
76	MP2C	X	-4.572	2.5
77	MP2C	Z	-7.92	2.5
78	MP2C	Mx	.005	2.5
79	MP3A	X	-5.427	2.5
80	MP3A	Z	-9.399	2.5
81	MP3A	Mx	-.003	2.5
82	MP3B	X	-5.584	2.5
83	MP3B	Z	-9.673	2.5
84	MP3B	Mx	-.002	2.5
85	MP3C	X	-4.572	2.5
86	MP3C	Z	-7.92	2.5
87	MP3C	Mx	.005	2.5
88	MP4B	X	-9.884	.5
89	MP4B	Z	-17.119	.5
90	MP4B	Mx	.003	.5
91	MP4B	X	-9.884	5.5
92	MP4B	Z	-17.119	5.5
93	MP4B	Mx	.003	5.5
94	MP4C	X	-8.35	.5
95	MP4C	Z	-14.463	.5
96	MP4C	Mx	-.008	.5
97	MP4C	X	-8.35	5.5
98	MP4C	Z	-14.463	5.5
99	MP4C	Mx	-.008	5.5
100	MP4A	X	-7.304	1.5
101	MP4A	Z	-12.651	1.5
102	MP4A	Mx	.004	1.5
103	MP4A	X	-7.304	4.5
104	MP4A	Z	-12.651	4.5
105	MP4A	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-8.395	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-8.395	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-6.725	.5
9	MP2B	Mx	5.4e-5	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-6.725	5.5
12	MP2B	Mx	5.4e-5	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-5.882	.5
15	MP2C	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	0	5.5
17	MP2C	Z	-5.882	5.5
18	MP2C	Mx	-.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-8.364	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-8.364	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-6.712	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-6.712	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-5.879	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-5.879	5.5
36	MP2C	Mx	-.002	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	-4.883	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5
41	MP1A	Z	-4.883	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	-3.139	1.5
45	MP1B	Mx	.001	1.5
46	MP1B	X	0	3.5
47	MP1B	Z	-3.139	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	-2.259	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	-2.259	3.5
54	MP1C	Mx	-.001	3.5
55	M101	X	0	1
56	M101	Z	-6.313	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	-6.313	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	-2.078	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-1.47	2.5
66	MP1B	Mx	-.000563	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-1.162	2.5
69	MP1C	Mx	.000546	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-3.034	2.5
72	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
73	MP2B	X	0	2.5
74	MP2B	Z	-2.61	2.5
75	MP2B	Mx	-.001	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-2.396	2.5
78	MP2C	Mx	.001	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	-3.034	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	-2.61	2.5
84	MP3B	Mx	-.001	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	-2.396	2.5
87	MP3C	Mx	.001	2.5
88	MP4B	X	0	.5
89	MP4B	Z	-5.253	.5
90	MP4B	Mx	.002	.5
91	MP4B	X	0	5.5
92	MP4B	Z	-5.253	5.5
93	MP4B	Mx	.002	5.5
94	MP4C	X	0	.5
95	MP4C	Z	-4.884	.5
96	MP4C	Mx	-.002	.5
97	MP4C	X	0	5.5
98	MP4C	Z	-4.884	5.5
99	MP4C	Mx	-.002	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	-4.904	1.5
102	MP4A	Mx	0	1.5
103	MP4A	X	0	4.5
104	MP4A	Z	-4.904	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	3.842	.5
2	MP2A	Z	-6.654	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	3.842	5.5
5	MP2A	Z	-6.654	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	2.818	.5
8	MP2B	Z	-4.88	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	2.818	5.5
11	MP2B	Z	-4.88	5.5
12	MP2B	Mx	.002	5.5
13	MP2C	X	3.61	.5
14	MP2C	Z	-6.252	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	3.61	5.5
17	MP2C	Z	-6.252	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	3.83	.5
20	MP2A	Z	-6.634	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.006	.5
22	MP2A	X	3.83	5.5
23	MP2A	Z	-6.634	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	2.817	.5
26	MP2B	Z	-4.88	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	2.817	5.5
29	MP2B	Z	-4.88	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	3.6	.5
32	MP2C	Z	-6.236	.5
33	MP2C	Mx	.000903	.5
34	MP2C	X	3.6	5.5
35	MP2C	Z	-6.236	5.5
36	MP2C	Mx	.000903	5.5
37	MP1A	X	2.07	1.5
38	MP1A	Z	-3.586	1.5
39	MP1A	Mx	-.001	1.5
40	MP1A	X	2.07	3.5
41	MP1A	Z	-3.586	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	1.001	1.5
44	MP1B	Z	-1.733	1.5
45	MP1B	Mx	.000985	1.5
46	MP1B	X	1.001	3.5
47	MP1B	Z	-1.733	3.5
48	MP1B	Mx	.000985	3.5
49	MP1C	X	1.828	1.5
50	MP1C	Z	-3.166	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	1.828	3.5
53	MP1C	Z	-3.166	3.5
54	MP1C	Mx	-.001	3.5
55	M101	X	2.647	1
56	M101	Z	-4.584	1
57	M101	Mx	0	1
58	M101	X	2.647	1.5
59	M101	Z	-4.584	1.5
60	M101	Mx	0	1.5
61	MP1A	X	.909	2.5
62	MP1A	Z	-1.575	2.5
63	MP1A	Mx	.000455	2.5
64	MP1B	X	.536	2.5
65	MP1B	Z	-.929	2.5
66	MP1B	Mx	-.000528	2.5
67	MP1C	X	.825	2.5
68	MP1C	Z	-1.429	2.5
69	MP1C	Mx	.00053	2.5
70	MP2A	X	1.427	2.5
71	MP2A	Z	-2.471	2.5
72	MP2A	Mx	.000714	2.5
73	MP2B	X	1.167	2.5
74	MP2B	Z	-2.021	2.5
75	MP2B	Mx	-.001	2.5
76	MP2C	X	1.368	2.5
77	MP2C	Z	-2.369	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	.000879	2.5
79	MP3A	X	1.427	2.5
80	MP3A	Z	-2.471	2.5
81	MP3A	Mx	.000714	2.5
82	MP3B	X	1.167	2.5
83	MP3B	Z	-2.021	2.5
84	MP3B	Mx	-.001	2.5
85	MP3C	X	1.368	2.5
86	MP3C	Z	-2.369	2.5
87	MP3C	Mx	.000879	2.5
88	MP4B	X	2.388	.5
89	MP4B	Z	-4.136	.5
90	MP4B	Mx	.002	.5
91	MP4B	X	2.388	5.5
92	MP4B	Z	-4.136	5.5
93	MP4B	Mx	.002	5.5
94	MP4C	X	2.735	.5
95	MP4C	Z	-4.737	.5
96	MP4C	Mx	-.002	.5
97	MP4C	X	2.735	5.5
98	MP4C	Z	-4.737	5.5
99	MP4C	Mx	-.002	5.5
100	MP4A	X	2.156	1.5
101	MP4A	Z	-3.734	1.5
102	MP4A	Mx	-.001	1.5
103	MP4A	X	2.156	4.5
104	MP4A	Z	-3.734	4.5
105	MP4A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.422	.5
2	MP2A	Z	-3.13	.5
3	MP2A	Mx	-.000885	.5
4	MP2A	X	5.422	5.5
5	MP2A	Z	-3.13	5.5
6	MP2A	Mx	-.000885	5.5
7	MP2B	X	5.094	.5
8	MP2B	Z	-2.941	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	5.094	5.5
11	MP2B	Z	-2.941	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	7.196	.5
14	MP2C	Z	-4.154	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	7.196	5.5
17	MP2C	Z	-4.154	5.5
18	MP2C	Mx	-.005	5.5
19	MP2A	X	5.415	.5
20	MP2A	Z	-3.127	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	5.415	5.5
23	MP2A	Z	-3.127	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	5.091	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	-2.939	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	5.091	5.5
29	MP2B	Z	-2.939	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	7.17	.5
32	MP2C	Z	-4.139	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	7.17	5.5
35	MP2C	Z	-4.139	5.5
36	MP2C	Mx	.004	5.5
37	MP1A	X	2.299	1.5
38	MP1A	Z	-1.327	1.5
39	MP1A	Mx	-.001	1.5
40	MP1A	X	2.299	3.5
41	MP1A	Z	-1.327	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	1.957	1.5
44	MP1B	Z	-1.13	1.5
45	MP1B	Mx	.001	1.5
46	MP1B	X	1.957	3.5
47	MP1B	Z	-1.13	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	4.151	1.5
50	MP1C	Z	-2.397	1.5
51	MP1C	Mx	-.000416	1.5
52	MP1C	X	4.151	3.5
53	MP1C	Z	-2.397	3.5
54	MP1C	Mx	-.000416	3.5
55	M101	X	4.784	1
56	M101	Z	-2.762	1
57	M101	Mx	0	1
58	M101	X	4.784	1.5
59	M101	Z	-2.762	1.5
60	M101	Mx	0	1.5
61	MP1A	X	1.126	2.5
62	MP1A	Z	-.65	2.5
63	MP1A	Mx	.000563	2.5
64	MP1B	X	1.007	2.5
65	MP1B	Z	-.581	2.5
66	MP1B	Mx	-.000546	2.5
67	MP1C	X	1.772	2.5
68	MP1C	Z	-1.023	2.5
69	MP1C	Mx	.000178	2.5
70	MP2A	X	2.158	2.5
71	MP2A	Z	-1.246	2.5
72	MP2A	Mx	.001	2.5
73	MP2B	X	2.075	2.5
74	MP2B	Z	-1.198	2.5
75	MP2B	Mx	-.001	2.5
76	MP2C	X	2.608	2.5
77	MP2C	Z	-1.506	2.5
78	MP2C	Mx	.000262	2.5
79	MP3A	X	2.158	2.5
80	MP3A	Z	-1.246	2.5
81	MP3A	Mx	.001	2.5
82	MP3B	X	2.075	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3B	Z	-1.198	2.5
84	MP3B	Mx	-.001	2.5
85	MP3C	X	2.608	2.5
86	MP3C	Z	-1.506	2.5
87	MP3C	Mx	.000262	2.5
88	MP4B	X	4.23	.5
89	MP4B	Z	-2.442	.5
90	MP4B	Mx	.002	.5
91	MP4B	X	4.23	5.5
92	MP4B	Z	-2.442	5.5
93	MP4B	Mx	.002	5.5
94	MP4C	X	5.15	.5
95	MP4C	Z	-2.973	.5
96	MP4C	Mx	-.000516	.5
97	MP4C	X	5.15	5.5
98	MP4C	Z	-2.973	5.5
99	MP4C	Mx	-.000516	5.5
100	MP4A	X	2.708	1.5
101	MP4A	Z	-1.564	1.5
102	MP4A	Mx	-.001	1.5
103	MP4A	X	2.708	4.5
104	MP4A	Z	-1.564	4.5
105	MP4A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.55	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	5.55	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	7.219	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	7.219	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	8.062	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	8.062	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	5.55	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	5.55	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	7.201	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.000903	.5
28	MP2B	X	7.201	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.000903	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
31	MP2C	X	8.034	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	8.034	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.006	5.5
37	MP1A	X	1.912	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	-.000956	1.5
40	MP1A	X	1.912	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	-.000956	3.5
43	MP1B	X	3.655	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	.001	1.5
46	MP1B	X	3.655	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	.001	3.5
49	MP1C	X	4.535	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.000776	1.5
52	MP1C	X	4.535	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	.000776	3.5
55	M101	X	6.775	1
56	M101	Z	0	1
57	M101	Mx	0	1
58	M101	X	6.775	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	1.041	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.00052	2.5
64	MP1B	X	1.65	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.00053	2.5
67	MP1C	X	1.957	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.000335	2.5
70	MP2A	X	2.312	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.001	2.5
73	MP2B	X	2.735	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.000879	2.5
76	MP2C	X	2.949	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	-.000504	2.5
79	MP3A	X	2.312	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	.001	2.5
82	MP3B	X	2.735	2.5
83	MP3B	Z	0	2.5
84	MP3B	Mx	-.000879	2.5
85	MP3C	X	2.949	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.000504	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4B	X	5.47	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	.002	.5
91	MP4B	X	5.47	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	.002	5.5
94	MP4C	X	5.839	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	.000999	.5
97	MP4C	X	5.839	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	.000999	5.5
100	MP4A	X	2.535	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	-.001	1.5
103	MP4A	X	2.535	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.422	.5
2	MP2A	Z	3.13	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	5.422	5.5
5	MP2A	Z	3.13	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	7.196	.5
8	MP2B	Z	4.154	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	7.196	5.5
11	MP2B	Z	4.154	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	5.824	.5
14	MP2C	Z	3.363	.5
15	MP2C	Mx	5.5e-5	.5
16	MP2C	X	5.824	5.5
17	MP2C	Z	3.363	5.5
18	MP2C	Mx	5.5e-5	5.5
19	MP2A	X	5.415	.5
20	MP2A	Z	3.127	.5
21	MP2A	Mx	-.000883	.5
22	MP2A	X	5.415	5.5
23	MP2A	Z	3.127	5.5
24	MP2A	Mx	-.000883	5.5
25	MP2B	X	7.17	.5
26	MP2B	Z	4.139	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	7.17	5.5
29	MP2B	Z	4.139	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	5.813	.5
32	MP2C	Z	3.356	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	5.813	5.5
35	MP2C	Z	3.356	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.005	5.5
37	MP1A	X	2.299	1.5
38	MP1A	Z	1.327	1.5
39	MP1A	Mx	-.001	1.5
40	MP1A	X	2.299	3.5
41	MP1A	Z	1.327	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	4.151	1.5
44	MP1B	Z	2.397	1.5
45	MP1B	Mx	.000416	1.5
46	MP1B	X	4.151	3.5
47	MP1B	Z	2.397	3.5
48	MP1B	Mx	.000416	3.5
49	MP1C	X	2.719	1.5
50	MP1C	Z	1.57	1.5
51	MP1C	Mx	.001	1.5
52	MP1C	X	2.719	3.5
53	MP1C	Z	1.57	3.5
54	MP1C	Mx	.001	3.5
55	M101	X	6.751	1
56	M101	Z	3.897	1
57	M101	Mx	0	1
58	M101	X	6.751	1.5
59	M101	Z	3.897	1.5
60	M101	Mx	0	1.5
61	MP1A	X	1.126	2.5
62	MP1A	Z	.65	2.5
63	MP1A	Mx	.000563	2.5
64	MP1B	X	1.772	2.5
65	MP1B	Z	1.023	2.5
66	MP1B	Mx	-.000178	2.5
67	MP1C	X	1.273	2.5
68	MP1C	Z	.735	2.5
69	MP1C	Mx	-.000563	2.5
70	MP2A	X	2.158	2.5
71	MP2A	Z	1.246	2.5
72	MP2A	Mx	.001	2.5
73	MP2B	X	2.608	2.5
74	MP2B	Z	1.506	2.5
75	MP2B	Mx	-.000261	2.5
76	MP2C	X	2.26	2.5
77	MP2C	Z	1.305	2.5
78	MP2C	Mx	-.001	2.5
79	MP3A	X	2.158	2.5
80	MP3A	Z	1.246	2.5
81	MP3A	Mx	.001	2.5
82	MP3B	X	2.608	2.5
83	MP3B	Z	1.506	2.5
84	MP3B	Mx	-.000261	2.5
85	MP3C	X	2.26	2.5
86	MP3C	Z	1.305	2.5
87	MP3C	Mx	-.001	2.5
88	MP4B	X	5.15	.5
89	MP4B	Z	2.973	.5
90	MP4B	Mx	.000516	.5
91	MP4B	X	5.15	5.5
92	MP4B	Z	2.973	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4B	Mx	.000516	5.5
94	MP4C	X	4.549	.5
95	MP4C	Z	2.627	.5
96	MP4C	Mx	.002	.5
97	MP4C	X	4.549	5.5
98	MP4C	Z	2.627	5.5
99	MP4C	Mx	.002	5.5
100	MP4A	X	2.708	1.5
101	MP4A	Z	1.564	1.5
102	MP4A	Mx	-.001	1.5
103	MP4A	X	2.708	4.5
104	MP4A	Z	1.564	4.5
105	MP4A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.842	.5
2	MP2A	Z	6.654	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	3.842	5.5
5	MP2A	Z	6.654	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	4.031	.5
8	MP2B	Z	6.982	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	4.031	5.5
11	MP2B	Z	6.982	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	2.818	.5
14	MP2C	Z	4.88	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	2.818	5.5
17	MP2C	Z	4.88	5.5
18	MP2C	Mx	.002	5.5
19	MP2A	X	3.83	.5
20	MP2A	Z	6.634	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	3.83	5.5
23	MP2A	Z	6.634	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	4.017	.5
26	MP2B	Z	6.958	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	4.017	5.5
29	MP2B	Z	6.958	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	2.817	.5
32	MP2C	Z	4.88	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	2.817	5.5
35	MP2C	Z	4.88	5.5
36	MP2C	Mx	.003	5.5
37	MP1A	X	2.07	1.5
38	MP1A	Z	3.586	1.5
39	MP1A	Mx	-.001	1.5
40	MP1A	X	2.07	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	3.586	3.5
42	MP1A	Mx	-.001	3.5
43	MP1B	X	2.268	1.5
44	MP1B	Z	3.928	1.5
45	MP1B	Mx	-.000776	1.5
46	MP1B	X	2.268	3.5
47	MP1B	Z	3.928	3.5
48	MP1B	Mx	-.000776	3.5
49	MP1C	X	1.001	1.5
50	MP1C	Z	1.733	1.5
51	MP1C	Mx	.000985	1.5
52	MP1C	X	1.001	3.5
53	MP1C	Z	1.733	3.5
54	MP1C	Mx	.000985	3.5
55	M101	X	3.782	1
56	M101	Z	6.55	1
57	M101	Mx	0	1
58	M101	X	3.782	1.5
59	M101	Z	6.55	1.5
60	M101	Mx	0	1.5
61	MP1A	X	.909	2.5
62	MP1A	Z	1.575	2.5
63	MP1A	Mx	.000455	2.5
64	MP1B	X	.978	2.5
65	MP1B	Z	1.694	2.5
66	MP1B	Mx	.000335	2.5
67	MP1C	X	.536	2.5
68	MP1C	Z	.929	2.5
69	MP1C	Mx	-.000528	2.5
70	MP2A	X	1.427	2.5
71	MP2A	Z	2.471	2.5
72	MP2A	Mx	.000714	2.5
73	MP2B	X	1.475	2.5
74	MP2B	Z	2.554	2.5
75	MP2B	Mx	.000504	2.5
76	MP2C	X	1.167	2.5
77	MP2C	Z	2.021	2.5
78	MP2C	Mx	-.001	2.5
79	MP3A	X	1.427	2.5
80	MP3A	Z	2.471	2.5
81	MP3A	Mx	.000714	2.5
82	MP3B	X	1.475	2.5
83	MP3B	Z	2.554	2.5
84	MP3B	Mx	.000504	2.5
85	MP3C	X	1.167	2.5
86	MP3C	Z	2.021	2.5
87	MP3C	Mx	-.001	2.5
88	MP4B	X	2.919	.5
89	MP4B	Z	5.056	.5
90	MP4B	Mx	-.000998	.5
91	MP4B	X	2.919	5.5
92	MP4B	Z	5.056	5.5
93	MP4B	Mx	-.000998	5.5
94	MP4C	X	2.388	.5
95	MP4C	Z	4.136	.5
96	MP4C	Mx	.002	.5
97	MP4C	X	2.388	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	4.136	5.5
99	MP4C	Mx	.002	5.5
100	MP4A	X	2.156	1.5
101	MP4A	Z	3.734	1.5
102	MP4A	Mx	-.001	1.5
103	MP4A	X	2.156	4.5
104	MP4A	Z	3.734	4.5
105	MP4A	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	8.395	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	0	5.5
5	MP2A	Z	8.395	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	0	.5
8	MP2B	Z	6.725	.5
9	MP2B	Mx	-5.4e-5	.5
10	MP2B	X	0	5.5
11	MP2B	Z	6.725	5.5
12	MP2B	Mx	-5.4e-5	5.5
13	MP2C	X	0	.5
14	MP2C	Z	5.882	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	0	5.5
17	MP2C	Z	5.882	5.5
18	MP2C	Mx	.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	8.364	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	0	5.5
23	MP2A	Z	8.364	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	0	.5
26	MP2B	Z	6.712	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	0	5.5
29	MP2B	Z	6.712	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	0	.5
32	MP2C	Z	5.879	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	0	5.5
35	MP2C	Z	5.879	5.5
36	MP2C	Mx	.002	5.5
37	MP1A	X	0	1.5
38	MP1A	Z	4.883	1.5
39	MP1A	Mx	0	1.5
40	MP1A	X	0	3.5
41	MP1A	Z	4.883	3.5
42	MP1A	Mx	0	3.5
43	MP1B	X	0	1.5
44	MP1B	Z	3.139	1.5
45	MP1B	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	0	3.5
47	MP1B	Z	3.139	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	0	1.5
50	MP1C	Z	2.259	1.5
51	MP1C	Mx	.001	1.5
52	MP1C	X	0	3.5
53	MP1C	Z	2.259	3.5
54	MP1C	Mx	.001	3.5
55	M101	X	0	1
56	M101	Z	6.313	1
57	M101	Mx	0	1
58	M101	X	0	1.5
59	M101	Z	6.313	1.5
60	M101	Mx	0	1.5
61	MP1A	X	0	2.5
62	MP1A	Z	2.078	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	1.47	2.5
66	MP1B	Mx	.000563	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	1.162	2.5
69	MP1C	Mx	-.000546	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	3.034	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	2.61	2.5
75	MP2B	Mx	.001	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	2.396	2.5
78	MP2C	Mx	-.001	2.5
79	MP3A	X	0	2.5
80	MP3A	Z	3.034	2.5
81	MP3A	Mx	0	2.5
82	MP3B	X	0	2.5
83	MP3B	Z	2.61	2.5
84	MP3B	Mx	.001	2.5
85	MP3C	X	0	2.5
86	MP3C	Z	2.396	2.5
87	MP3C	Mx	-.001	2.5
88	MP4B	X	0	.5
89	MP4B	Z	5.253	.5
90	MP4B	Mx	-.002	.5
91	MP4B	X	0	5.5
92	MP4B	Z	5.253	5.5
93	MP4B	Mx	-.002	5.5
94	MP4C	X	0	.5
95	MP4C	Z	4.884	.5
96	MP4C	Mx	.002	.5
97	MP4C	X	0	5.5
98	MP4C	Z	4.884	5.5
99	MP4C	Mx	.002	5.5
100	MP4A	X	0	1.5
101	MP4A	Z	4.904	1.5
102	MP4A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP4A	X	0	4.5
104	MP4A	Z	4.904	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.842	.5
2	MP2A	Z	6.654	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	-3.842	5.5
5	MP2A	Z	6.654	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	-2.818	.5
8	MP2B	Z	4.88	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-2.818	5.5
11	MP2B	Z	4.88	5.5
12	MP2B	Mx	-.002	5.5
13	MP2C	X	-3.61	.5
14	MP2C	Z	6.252	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	-3.61	5.5
17	MP2C	Z	6.252	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	-3.83	.5
20	MP2A	Z	6.634	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-3.83	5.5
23	MP2A	Z	6.634	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	-2.817	.5
26	MP2B	Z	4.88	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-2.817	5.5
29	MP2B	Z	4.88	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	-3.6	.5
32	MP2C	Z	6.236	.5
33	MP2C	Mx	-.000903	.5
34	MP2C	X	-3.6	5.5
35	MP2C	Z	6.236	5.5
36	MP2C	Mx	-.000903	5.5
37	MP1A	X	-2.07	1.5
38	MP1A	Z	3.586	1.5
39	MP1A	Mx	.001	1.5
40	MP1A	X	-2.07	3.5
41	MP1A	Z	3.586	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-1.001	1.5
44	MP1B	Z	1.733	1.5
45	MP1B	Mx	-.000985	1.5
46	MP1B	X	-1.001	3.5
47	MP1B	Z	1.733	3.5
48	MP1B	Mx	-.000985	3.5
49	MP1C	X	-1.828	1.5
50	MP1C	Z	3.166	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1C	Mx	.001	1.5
52	MP1C	X	-1.828	3.5
53	MP1C	Z	3.166	3.5
54	MP1C	Mx	.001	3.5
55	M101	X	-2.647	1
56	M101	Z	4.584	1
57	M101	Mx	0	1
58	M101	X	-2.647	1.5
59	M101	Z	4.584	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-.909	2.5
62	MP1A	Z	1.575	2.5
63	MP1A	Mx	-.000455	2.5
64	MP1B	X	-.536	2.5
65	MP1B	Z	.929	2.5
66	MP1B	Mx	.000528	2.5
67	MP1C	X	-.825	2.5
68	MP1C	Z	1.429	2.5
69	MP1C	Mx	-.00053	2.5
70	MP2A	X	-1.427	2.5
71	MP2A	Z	2.471	2.5
72	MP2A	Mx	-.000714	2.5
73	MP2B	X	-1.167	2.5
74	MP2B	Z	2.021	2.5
75	MP2B	Mx	.001	2.5
76	MP2C	X	-1.368	2.5
77	MP2C	Z	2.369	2.5
78	MP2C	Mx	-.000879	2.5
79	MP3A	X	-1.427	2.5
80	MP3A	Z	2.471	2.5
81	MP3A	Mx	-.000714	2.5
82	MP3B	X	-1.167	2.5
83	MP3B	Z	2.021	2.5
84	MP3B	Mx	.001	2.5
85	MP3C	X	-1.368	2.5
86	MP3C	Z	2.369	2.5
87	MP3C	Mx	-.000879	2.5
88	MP4B	X	-2.388	.5
89	MP4B	Z	4.136	.5
90	MP4B	Mx	-.002	.5
91	MP4B	X	-2.388	5.5
92	MP4B	Z	4.136	5.5
93	MP4B	Mx	-.002	5.5
94	MP4C	X	-2.735	.5
95	MP4C	Z	4.737	.5
96	MP4C	Mx	.002	.5
97	MP4C	X	-2.735	5.5
98	MP4C	Z	4.737	5.5
99	MP4C	Mx	.002	5.5
100	MP4A	X	-2.156	1.5
101	MP4A	Z	3.734	1.5
102	MP4A	Mx	.001	1.5
103	MP4A	X	-2.156	4.5
104	MP4A	Z	3.734	4.5
105	MP4A	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.422	.5
2	MP2A	Z	3.13	.5
3	MP2A	Mx	.000885	.5
4	MP2A	X	-5.422	5.5
5	MP2A	Z	3.13	5.5
6	MP2A	Mx	.000885	5.5
7	MP2B	X	-5.094	.5
8	MP2B	Z	2.941	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-5.094	5.5
11	MP2B	Z	2.941	5.5
12	MP2B	Mx	-.004	5.5
13	MP2C	X	-7.196	.5
14	MP2C	Z	4.154	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	-7.196	5.5
17	MP2C	Z	4.154	5.5
18	MP2C	Mx	.005	5.5
19	MP2A	X	-5.415	.5
20	MP2A	Z	3.127	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-5.415	5.5
23	MP2A	Z	3.127	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	-5.091	.5
26	MP2B	Z	2.939	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-5.091	5.5
29	MP2B	Z	2.939	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-7.17	.5
32	MP2C	Z	4.139	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-7.17	5.5
35	MP2C	Z	4.139	5.5
36	MP2C	Mx	-.004	5.5
37	MP1A	X	-2.299	1.5
38	MP1A	Z	1.327	1.5
39	MP1A	Mx	.001	1.5
40	MP1A	X	-2.299	3.5
41	MP1A	Z	1.327	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-1.957	1.5
44	MP1B	Z	1.13	1.5
45	MP1B	Mx	-.001	1.5
46	MP1B	X	-1.957	3.5
47	MP1B	Z	1.13	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-4.151	1.5
50	MP1C	Z	2.397	1.5
51	MP1C	Mx	.000416	1.5
52	MP1C	X	-4.151	3.5
53	MP1C	Z	2.397	3.5
54	MP1C	Mx	.000416	3.5
55	M101	X	-4.784	1
56	M101	Z	2.762	1
57	M101	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	M101	X	-4.784	1.5
59	M101	Z	2.762	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-1.126	2.5
62	MP1A	Z	.65	2.5
63	MP1A	Mx	-.000563	2.5
64	MP1B	X	-1.007	2.5
65	MP1B	Z	.581	2.5
66	MP1B	Mx	.000546	2.5
67	MP1C	X	-1.772	2.5
68	MP1C	Z	1.023	2.5
69	MP1C	Mx	-.000178	2.5
70	MP2A	X	-2.158	2.5
71	MP2A	Z	1.246	2.5
72	MP2A	Mx	-.001	2.5
73	MP2B	X	-2.075	2.5
74	MP2B	Z	1.198	2.5
75	MP2B	Mx	.001	2.5
76	MP2C	X	-2.608	2.5
77	MP2C	Z	1.506	2.5
78	MP2C	Mx	-.000262	2.5
79	MP3A	X	-2.158	2.5
80	MP3A	Z	1.246	2.5
81	MP3A	Mx	-.001	2.5
82	MP3B	X	-2.075	2.5
83	MP3B	Z	1.198	2.5
84	MP3B	Mx	.001	2.5
85	MP3C	X	-2.608	2.5
86	MP3C	Z	1.506	2.5
87	MP3C	Mx	-.000262	2.5
88	MP4B	X	-4.23	.5
89	MP4B	Z	2.442	.5
90	MP4B	Mx	-.002	.5
91	MP4B	X	-4.23	5.5
92	MP4B	Z	2.442	5.5
93	MP4B	Mx	-.002	5.5
94	MP4C	X	-5.15	.5
95	MP4C	Z	2.973	.5
96	MP4C	Mx	.000516	.5
97	MP4C	X	-5.15	5.5
98	MP4C	Z	2.973	5.5
99	MP4C	Mx	.000516	5.5
100	MP4A	X	-2.708	1.5
101	MP4A	Z	1.564	1.5
102	MP4A	Mx	.001	1.5
103	MP4A	X	-2.708	4.5
104	MP4A	Z	1.564	4.5
105	MP4A	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.55	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-5.55	5.5
5	MP2A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.003	5.5
7	MP2B	X	-7.219	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	-7.219	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	-8.062	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	-8.062	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	-5.55	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-5.55	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-7.201	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.000903	.5
28	MP2B	X	-7.201	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.000903	5.5
31	MP2C	X	-8.034	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	-8.034	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.006	5.5
37	MP1A	X	-1.912	1.5
38	MP1A	Z	0	1.5
39	MP1A	Mx	.000956	1.5
40	MP1A	X	-1.912	3.5
41	MP1A	Z	0	3.5
42	MP1A	Mx	.000956	3.5
43	MP1B	X	-3.655	1.5
44	MP1B	Z	0	1.5
45	MP1B	Mx	-.001	1.5
46	MP1B	X	-3.655	3.5
47	MP1B	Z	0	3.5
48	MP1B	Mx	-.001	3.5
49	MP1C	X	-4.535	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	-.000776	1.5
52	MP1C	X	-4.535	3.5
53	MP1C	Z	0	3.5
54	MP1C	Mx	-.000776	3.5
55	M101	X	-6.775	1
56	M101	Z	0	1
57	M101	Mx	0	1
58	M101	X	-6.775	1.5
59	M101	Z	0	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-1.041	2.5
62	MP1A	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP1A	Mx	-.00052	2.5
64	MP1B	X	-1.65	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.00053	2.5
67	MP1C	X	-1.957	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.000335	2.5
70	MP2A	X	-2.312	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.001	2.5
73	MP2B	X	-2.735	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.000879	2.5
76	MP2C	X	-2.949	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.000504	2.5
79	MP3A	X	-2.312	2.5
80	MP3A	Z	0	2.5
81	MP3A	Mx	-.001	2.5
82	MP3B	X	-2.735	2.5
83	MP3B	Z	0	2.5
84	MP3B	Mx	.000879	2.5
85	MP3C	X	-2.949	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.000504	2.5
88	MP4B	X	-5.47	.5
89	MP4B	Z	0	.5
90	MP4B	Mx	-.002	.5
91	MP4B	X	-5.47	5.5
92	MP4B	Z	0	5.5
93	MP4B	Mx	-.002	5.5
94	MP4C	X	-5.839	.5
95	MP4C	Z	0	.5
96	MP4C	Mx	-.000999	.5
97	MP4C	X	-5.839	5.5
98	MP4C	Z	0	5.5
99	MP4C	Mx	-.000999	5.5
100	MP4A	X	-2.535	1.5
101	MP4A	Z	0	1.5
102	MP4A	Mx	.001	1.5
103	MP4A	X	-2.535	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-5.422	.5
2	MP2A	Z	-3.13	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	-5.422	5.5
5	MP2A	Z	-3.13	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-7.196	.5
8	MP2B	Z	-4.154	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	-7.196	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-4.154	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	-5.824	.5
14	MP2C	Z	-3.363	.5
15	MP2C	Mx	-5.5e-5	.5
16	MP2C	X	-5.824	5.5
17	MP2C	Z	-3.363	5.5
18	MP2C	Mx	-5.5e-5	5.5
19	MP2A	X	-5.415	.5
20	MP2A	Z	-3.127	.5
21	MP2A	Mx	.000883	.5
22	MP2A	X	-5.415	5.5
23	MP2A	Z	-3.127	5.5
24	MP2A	Mx	.000883	5.5
25	MP2B	X	-7.17	.5
26	MP2B	Z	-4.139	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	-7.17	5.5
29	MP2B	Z	-4.139	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	-5.813	.5
32	MP2C	Z	-3.356	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	-5.813	5.5
35	MP2C	Z	-3.356	5.5
36	MP2C	Mx	-.005	5.5
37	MP1A	X	-2.299	1.5
38	MP1A	Z	-1.327	1.5
39	MP1A	Mx	.001	1.5
40	MP1A	X	-2.299	3.5
41	MP1A	Z	-1.327	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-4.151	1.5
44	MP1B	Z	-2.397	1.5
45	MP1B	Mx	-.000416	1.5
46	MP1B	X	-4.151	3.5
47	MP1B	Z	-2.397	3.5
48	MP1B	Mx	-.000416	3.5
49	MP1C	X	-2.719	1.5
50	MP1C	Z	-1.57	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	-2.719	3.5
53	MP1C	Z	-1.57	3.5
54	MP1C	Mx	-.001	3.5
55	M101	X	-6.751	1
56	M101	Z	-3.897	1
57	M101	Mx	0	1
58	M101	X	-6.751	1.5
59	M101	Z	-3.897	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-1.126	2.5
62	MP1A	Z	-.65	2.5
63	MP1A	Mx	-.000563	2.5
64	MP1B	X	-1.772	2.5
65	MP1B	Z	-1.023	2.5
66	MP1B	Mx	.000178	2.5
67	MP1C	X	-1.273	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	-.735	2.5
69	MP1C	Mx	.000563	2.5
70	MP2A	X	-2.158	2.5
71	MP2A	Z	-1.246	2.5
72	MP2A	Mx	-.001	2.5
73	MP2B	X	-2.608	2.5
74	MP2B	Z	-1.506	2.5
75	MP2B	Mx	.000261	2.5
76	MP2C	X	-2.26	2.5
77	MP2C	Z	-1.305	2.5
78	MP2C	Mx	.001	2.5
79	MP3A	X	-2.158	2.5
80	MP3A	Z	-1.246	2.5
81	MP3A	Mx	-.001	2.5
82	MP3B	X	-2.608	2.5
83	MP3B	Z	-1.506	2.5
84	MP3B	Mx	.000261	2.5
85	MP3C	X	-2.26	2.5
86	MP3C	Z	-1.305	2.5
87	MP3C	Mx	.001	2.5
88	MP4B	X	-5.15	.5
89	MP4B	Z	-2.973	.5
90	MP4B	Mx	-.000516	.5
91	MP4B	X	-5.15	5.5
92	MP4B	Z	-2.973	5.5
93	MP4B	Mx	-.000516	5.5
94	MP4C	X	-4.549	.5
95	MP4C	Z	-2.627	.5
96	MP4C	Mx	-.002	.5
97	MP4C	X	-4.549	5.5
98	MP4C	Z	-2.627	5.5
99	MP4C	Mx	-.002	5.5
100	MP4A	X	-2.708	1.5
101	MP4A	Z	-1.564	1.5
102	MP4A	Mx	.001	1.5
103	MP4A	X	-2.708	4.5
104	MP4A	Z	-1.564	4.5
105	MP4A	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.842	.5
2	MP2A	Z	-6.654	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	-3.842	5.5
5	MP2A	Z	-6.654	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	-4.031	.5
8	MP2B	Z	-6.982	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-4.031	5.5
11	MP2B	Z	-6.982	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	-2.818	.5
14	MP2C	Z	-4.88	.5
15	MP2C	Mx	-.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-2.818	5.5
17	MP2C	Z	-4.88	5.5
18	MP2C	Mx	-.002	5.5
19	MP2A	X	-3.83	.5
20	MP2A	Z	-6.634	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	-3.83	5.5
23	MP2A	Z	-6.634	5.5
24	MP2A	Mx	-.002	5.5
25	MP2B	X	-4.017	.5
26	MP2B	Z	-6.958	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	-4.017	5.5
29	MP2B	Z	-6.958	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	-2.817	.5
32	MP2C	Z	-4.88	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-2.817	5.5
35	MP2C	Z	-4.88	5.5
36	MP2C	Mx	-.003	5.5
37	MP1A	X	-2.07	1.5
38	MP1A	Z	-3.586	1.5
39	MP1A	Mx	.001	1.5
40	MP1A	X	-2.07	3.5
41	MP1A	Z	-3.586	3.5
42	MP1A	Mx	.001	3.5
43	MP1B	X	-2.268	1.5
44	MP1B	Z	-3.928	1.5
45	MP1B	Mx	.000776	1.5
46	MP1B	X	-2.268	3.5
47	MP1B	Z	-3.928	3.5
48	MP1B	Mx	.000776	3.5
49	MP1C	X	-1.001	1.5
50	MP1C	Z	-1.733	1.5
51	MP1C	Mx	-.000985	1.5
52	MP1C	X	-1.001	3.5
53	MP1C	Z	-1.733	3.5
54	MP1C	Mx	-.000985	3.5
55	M101	X	-3.782	1
56	M101	Z	-6.55	1
57	M101	Mx	0	1
58	M101	X	-3.782	1.5
59	M101	Z	-6.55	1.5
60	M101	Mx	0	1.5
61	MP1A	X	-.909	2.5
62	MP1A	Z	-1.575	2.5
63	MP1A	Mx	-.000455	2.5
64	MP1B	X	-.978	2.5
65	MP1B	Z	-1.694	2.5
66	MP1B	Mx	-.000335	2.5
67	MP1C	X	-.536	2.5
68	MP1C	Z	-.929	2.5
69	MP1C	Mx	.000528	2.5
70	MP2A	X	-1.427	2.5
71	MP2A	Z	-2.471	2.5
72	MP2A	Mx	-.000714	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	-1.475	2.5
74	MP2B	Z	-2.554	2.5
75	MP2B	Mx	-.000504	2.5
76	MP2C	X	-1.167	2.5
77	MP2C	Z	-2.021	2.5
78	MP2C	Mx	.001	2.5
79	MP3A	X	-1.427	2.5
80	MP3A	Z	-2.471	2.5
81	MP3A	Mx	-.000714	2.5
82	MP3B	X	-1.475	2.5
83	MP3B	Z	-2.554	2.5
84	MP3B	Mx	-.000504	2.5
85	MP3C	X	-1.167	2.5
86	MP3C	Z	-2.021	2.5
87	MP3C	Mx	.001	2.5
88	MP4B	X	-2.919	.5
89	MP4B	Z	-5.056	.5
90	MP4B	Mx	.000998	.5
91	MP4B	X	-2.919	5.5
92	MP4B	Z	-5.056	5.5
93	MP4B	Mx	.000998	5.5
94	MP4C	X	-2.388	.5
95	MP4C	Z	-4.136	.5
96	MP4C	Mx	-.002	.5
97	MP4C	X	-2.388	5.5
98	MP4C	Z	-4.136	5.5
99	MP4C	Mx	-.002	5.5
100	MP4A	X	-2.156	1.5
101	MP4A	Z	-3.734	1.5
102	MP4A	Mx	.001	1.5
103	MP4A	X	-2.156	4.5
104	MP4A	Z	-3.734	4.5
105	MP4A	Mx	.001	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%92

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%67

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-15.586	-15.586	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.%]
2	M10	Y	-15.586	-15.586	0	%100
3	M43	Y	-15.586	-15.586	0	%100
4	M46	Y	-16.354	-16.354	0	%100
5	M51B	Y	-9.616	-9.616	0	%100
6	M52B	Y	-9.616	-9.616	0	%100
7	M76	Y	-16.335	-16.335	0	%100
8	M77	Y	-16.335	-16.335	0	%100
9	M80	Y	-16.354	-16.354	0	%100
10	M84	Y	-16.335	-16.335	0	%100
11	M85	Y	-16.335	-16.335	0	%100
12	M91	Y	-16.354	-16.354	0	%100
13	M25	Y	-15.586	-15.586	0	%100
14	M26	Y	-15.586	-15.586	0	%100
15	M27	Y	-15.586	-15.586	0	%100
16	M28	Y	-16.354	-16.354	0	%100
17	M31	Y	-9.616	-9.616	0	%100
18	M32	Y	-9.616	-9.616	0	%100
19	M36	Y	-16.335	-16.335	0	%100
20	M37	Y	-16.335	-16.335	0	%100
21	M39	Y	-16.354	-16.354	0	%100
22	M41	Y	-16.335	-16.335	0	%100
23	M42	Y	-16.335	-16.335	0	%100
24	M44	Y	-16.354	-16.354	0	%100
25	M49	Y	-15.586	-15.586	0	%100
26	M50A	Y	-15.586	-15.586	0	%100
27	M51C	Y	-15.586	-15.586	0	%100
28	M52A	Y	-16.354	-16.354	0	%100
29	M55	Y	-9.616	-9.616	0	%100
30	M56	Y	-9.616	-9.616	0	%100
31	M60	Y	-16.335	-16.335	0	%100
32	M61	Y	-16.335	-16.335	0	%100
33	M63	Y	-16.354	-16.354	0	%100
34	M65	Y	-16.335	-16.335	0	%100
35	M66	Y	-16.335	-16.335	0	%100
36	M68	Y	-16.354	-16.354	0	%100
37	M73	Y	-11.033	-11.033	0	%100
38	M74	Y	-11.033	-11.033	0	%100
39	M75	Y	-11.033	-11.033	0	%100
40	MP1A	Y	-8.659	-8.659	0	%100
41	MP2A	Y	-8.659	-8.659	0	%100
42	MP3A	Y	-8.659	-8.659	0	%100
43	MP4A	Y	-8.659	-8.659	0	%100
44	MP1C	Y	-8.659	-8.659	0	%100
45	MP2C	Y	-8.659	-8.659	0	%100
46	MP3C	Y	-8.659	-8.659	0	%100
47	MP4C	Y	-8.659	-8.659	0	%100
48	MP1B	Y	-8.659	-8.659	0	%100
49	MP2B	Y	-8.659	-8.659	0	%100
50	MP3B	Y	-8.659	-8.659	0	%100
51	MP4B	Y	-8.659	-8.659	0	%100
52	M101	Y	-8.659	-8.659	0	%100
53	M102	Y	-9.714	-9.714	0	%100
54	M103	Y	-9.714	-9.714	0	%100
55	M104	Y	-9.714	-9.714	0	%100
56	M123	Y	-12.601	-12.601	0	%100
57	M124	Y	-12.601	-12.601	0	%100
58	M125	Y	-12.601	-12.601	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-9.67	-9.67	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-9.67	-9.67	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-19.288	-19.288	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-2.678	-2.678	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-2.678	-2.678	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-4.911	-4.911	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-5.173	-5.173	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-4.911	-4.911	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-5.173	-5.173	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-8.571	-8.571	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.418	-2.418	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.418	-2.418	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.822	-4.822	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-2.678	-2.678	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-10.71	-10.71	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-14.466	-14.466	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-4.911	-4.911	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-5.173	-5.173	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-14.466	-14.466	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-19.646	-19.646	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-20.692	-20.692	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-8.571	-8.571	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-2.418	-2.418	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-2.418	-2.418	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-4.822	-4.822	0	%100
57	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	-10.71	-10.71	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-2.678	-2.678	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-14.466	-14.466	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-19.646	-19.646	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-20.692	-20.692	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-14.466	-14.466	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-4.911	-4.911	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-5.173	-5.173	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-11.252	-11.252	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-2.813	-2.813	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-2.813	-2.813	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-7.635	-7.635	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-7.635	-7.635	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-7.635	-7.635	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-7.635	-7.635	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-7.635	-7.635	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-7.635	-7.635	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-7.635	-7.635	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-7.635	-7.635	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-7.635	-7.635	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-7.635	-7.635	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-7.635	-7.635	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-7.635	-7.635	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-7.635	-7.635	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-9.242	-9.242	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	-2.311	-2.311	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-2.311	-2.311	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-2.966	-2.966	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-11.864	-11.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	0	0	0	%100
116	M125	Z	-2.966	-2.966	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	1.429	1.429	0	%100
2	M4	Z	-2.474	-2.474	0	%100
3	M10	X	3.626	3.626	0	%100
4	M10	Z	-6.281	-6.281	0	%100
5	M43	X	3.626	3.626	0	%100
6	M43	Z	-6.281	-6.281	0	%100
7	M46	X	7.233	7.233	0	%100
8	M46	Z	-12.528	-12.528	0	%100
9	M51B	X	4.016	4.016	0	%100
10	M51B	Z	-6.957	-6.957	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	2.411	2.411	0	%100
14	M76	Z	-4.176	-4.176	0	%100
15	M77	X	7.367	7.367	0	%100
16	M77	Z	-12.76	-12.76	0	%100
17	M80	X	7.76	7.76	0	%100
18	M80	Z	-13.44	-13.44	0	%100
19	M84	X	2.411	2.411	0	%100
20	M84	Z	-4.176	-4.176	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.429	1.429	0	%100
26	M25	Z	-2.474	-2.474	0	%100
27	M26	X	3.626	3.626	0	%100
28	M26	Z	-6.281	-6.281	0	%100
29	M27	X	3.626	3.626	0	%100
30	M27	Z	-6.281	-6.281	0	%100
31	M28	X	7.233	7.233	0	%100
32	M28	Z	-12.528	-12.528	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	4.016	4.016	0	%100
36	M32	Z	-6.957	-6.957	0	%100
37	M36	X	2.411	2.411	0	%100
38	M36	Z	-4.176	-4.176	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	2.411	2.411	0	%100
44	M41	Z	-4.176	-4.176	0	%100
45	M42	X	7.367	7.367	0	%100
46	M42	Z	-12.76	-12.76	0	%100
47	M44	X	7.76	7.76	0	%100
48	M44	Z	-13.44	-13.44	0	%100
49	M49	X	5.714	5.714	0	%100
50	M49	Z	-9.897	-9.897	0	%100
51	M50A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	4.016	4.016	0	%100
58	M55	Z	-6.957	-6.957	0	%100
59	M56	X	4.016	4.016	0	%100
60	M56	Z	-6.957	-6.957	0	%100
61	M60	X	9.644	9.644	0	%100
62	M60	Z	-16.704	-16.704	0	%100
63	M61	X	7.367	7.367	0	%100
64	M61	Z	-12.76	-12.76	0	%100
65	M63	X	7.76	7.76	0	%100
66	M63	Z	-13.44	-13.44	0	%100
67	M65	X	9.644	9.644	0	%100
68	M65	Z	-16.704	-16.704	0	%100
69	M66	X	7.367	7.367	0	%100
70	M66	Z	-12.76	-12.76	0	%100
71	M68	X	7.76	7.76	0	%100
72	M68	Z	-13.44	-13.44	0	%100
73	M73	X	4.219	4.219	0	%100
74	M73	Z	-7.308	-7.308	0	%100
75	M74	X	4.219	4.219	0	%100
76	M74	Z	-7.308	-7.308	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.817	3.817	0	%100
80	MP1A	Z	-6.612	-6.612	0	%100
81	MP2A	X	3.817	3.817	0	%100
82	MP2A	Z	-6.612	-6.612	0	%100
83	MP3A	X	3.817	3.817	0	%100
84	MP3A	Z	-6.612	-6.612	0	%100
85	MP4A	X	3.817	3.817	0	%100
86	MP4A	Z	-6.612	-6.612	0	%100
87	MP1C	X	3.817	3.817	0	%100
88	MP1C	Z	-6.612	-6.612	0	%100
89	MP2C	X	3.817	3.817	0	%100
90	MP2C	Z	-6.612	-6.612	0	%100
91	MP3C	X	3.817	3.817	0	%100
92	MP3C	Z	-6.612	-6.612	0	%100
93	MP4C	X	3.817	3.817	0	%100
94	MP4C	Z	-6.612	-6.612	0	%100
95	MP1B	X	3.817	3.817	0	%100
96	MP1B	Z	-6.612	-6.612	0	%100
97	MP2B	X	3.817	3.817	0	%100
98	MP2B	Z	-6.612	-6.612	0	%100
99	MP3B	X	3.817	3.817	0	%100
100	MP3B	Z	-6.612	-6.612	0	%100
101	MP4B	X	3.817	3.817	0	%100
102	MP4B	Z	-6.612	-6.612	0	%100
103	M101	X	3.817	3.817	0	%100
104	M101	Z	-6.612	-6.612	0	%100
105	M102	X	3.466	3.466	0	%100
106	M102	Z	-6.003	-6.003	0	%100
107	M103	X	3.466	3.466	0	%100
108	M103	Z	-6.003	-6.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	4.449	4.449	0	%100
112	M123	Z	-7.706	-7.706	0	%100
113	M124	X	4.449	4.449	0	%100
114	M124	Z	-7.706	-7.706	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	M4	X	7.423	7.423	0	%100
2	M4	Z	-4.286	-4.286	0	%100
3	M10	X	2.094	2.094	0	%100
4	M10	Z	-1.209	-1.209	0	%100
5	M43	X	2.094	2.094	0	%100
6	M43	Z	-1.209	-1.209	0	%100
7	M46	X	4.176	4.176	0	%100
8	M46	Z	-2.411	-2.411	0	%100
9	M51B	X	9.276	9.276	0	%100
10	M51B	Z	-5.355	-5.355	0	%100
11	M52B	X	2.319	2.319	0	%100
12	M52B	Z	-1.339	-1.339	0	%100
13	M76	X	12.528	12.528	0	%100
14	M76	Z	-7.233	-7.233	0	%100
15	M77	X	17.014	17.014	0	%100
16	M77	Z	-9.823	-9.823	0	%100
17	M80	X	17.92	17.92	0	%100
18	M80	Z	-10.346	-10.346	0	%100
19	M84	X	12.528	12.528	0	%100
20	M84	Z	-7.233	-7.233	0	%100
21	M85	X	4.253	4.253	0	%100
22	M85	Z	-2.456	-2.456	0	%100
23	M91	X	4.48	4.48	0	%100
24	M91	Z	-2.587	-2.587	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	8.375	8.375	0	%100
28	M26	Z	-4.835	-4.835	0	%100
29	M27	X	8.375	8.375	0	%100
30	M27	Z	-4.835	-4.835	0	%100
31	M28	X	16.704	16.704	0	%100
32	M28	Z	-9.644	-9.644	0	%100
33	M31	X	2.319	2.319	0	%100
34	M31	Z	-1.339	-1.339	0	%100
35	M32	X	2.319	2.319	0	%100
36	M32	Z	-1.339	-1.339	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	4.253	4.253	0	%100
40	M37	Z	-2.456	-2.456	0	%100
41	M39	X	4.48	4.48	0	%100
42	M39	Z	-2.587	-2.587	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	4.253	4.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	-2.456	-2.456	0	%100
47	M44	X	4.48	4.48	0	%100
48	M44	Z	-2.587	-2.587	0	%100
49	M49	X	7.423	7.423	0	%100
50	M49	Z	-4.286	-4.286	0	%100
51	M50A	X	2.094	2.094	0	%100
52	M50A	Z	-1.209	-1.209	0	%100
53	M51C	X	2.094	2.094	0	%100
54	M51C	Z	-1.209	-1.209	0	%100
55	M52A	X	4.176	4.176	0	%100
56	M52A	Z	-2.411	-2.411	0	%100
57	M55	X	2.319	2.319	0	%100
58	M55	Z	-1.339	-1.339	0	%100
59	M56	X	9.276	9.276	0	%100
60	M56	Z	-5.355	-5.355	0	%100
61	M60	X	12.528	12.528	0	%100
62	M60	Z	-7.233	-7.233	0	%100
63	M61	X	4.253	4.253	0	%100
64	M61	Z	-2.456	-2.456	0	%100
65	M63	X	4.48	4.48	0	%100
66	M63	Z	-2.587	-2.587	0	%100
67	M65	X	12.528	12.528	0	%100
68	M65	Z	-7.233	-7.233	0	%100
69	M66	X	17.014	17.014	0	%100
70	M66	Z	-9.823	-9.823	0	%100
71	M68	X	17.92	17.92	0	%100
72	M68	Z	-10.346	-10.346	0	%100
73	M73	X	2.436	2.436	0	%100
74	M73	Z	-1.406	-1.406	0	%100
75	M74	X	9.744	9.744	0	%100
76	M74	Z	-5.626	-5.626	0	%100
77	M75	X	2.436	2.436	0	%100
78	M75	Z	-1.406	-1.406	0	%100
79	MP1A	X	6.612	6.612	0	%100
80	MP1A	Z	-3.817	-3.817	0	%100
81	MP2A	X	6.612	6.612	0	%100
82	MP2A	Z	-3.817	-3.817	0	%100
83	MP3A	X	6.612	6.612	0	%100
84	MP3A	Z	-3.817	-3.817	0	%100
85	MP4A	X	6.612	6.612	0	%100
86	MP4A	Z	-3.817	-3.817	0	%100
87	MP1C	X	6.612	6.612	0	%100
88	MP1C	Z	-3.817	-3.817	0	%100
89	MP2C	X	6.612	6.612	0	%100
90	MP2C	Z	-3.817	-3.817	0	%100
91	MP3C	X	6.612	6.612	0	%100
92	MP3C	Z	-3.817	-3.817	0	%100
93	MP4C	X	6.612	6.612	0	%100
94	MP4C	Z	-3.817	-3.817	0	%100
95	MP1B	X	6.612	6.612	0	%100
96	MP1B	Z	-3.817	-3.817	0	%100
97	MP2B	X	6.612	6.612	0	%100
98	MP2B	Z	-3.817	-3.817	0	%100
99	MP3B	X	6.612	6.612	0	%100
100	MP3B	Z	-3.817	-3.817	0	%100
101	MP4B	X	6.612	6.612	0	%100
102	MP4B	Z	-3.817	-3.817	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	6.612	6.612	0	%100
104	M101	Z	-3.817	-3.817	0	%100
105	M102	X	2.001	2.001	0	%100
106	M102	Z	-1.155	-1.155	0	%100
107	M103	X	8.004	8.004	0	%100
108	M103	Z	-4.621	-4.621	0	%100
109	M104	X	2.001	2.001	0	%100
110	M104	Z	-1.155	-1.155	0	%100
111	M123	X	10.274	10.274	0	%100
112	M123	Z	-5.932	-5.932	0	%100
113	M124	X	2.569	2.569	0	%100
114	M124	Z	-1.483	-1.483	0	%100
115	M125	X	2.569	2.569	0	%100
116	M125	Z	-1.483	-1.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	11.428	11.428	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	8.033	8.033	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	8.033	8.033	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	19.288	19.288	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	14.734	14.734	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	15.519	15.519	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	19.288	19.288	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	14.734	14.734	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	15.519	15.519	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	2.857	2.857	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	7.253	7.253	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	7.253	7.253	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	14.466	14.466	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	8.033	8.033	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	4.822	4.822	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	14.734	14.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	0	0	0	%100
41	M39	X	15.519	15.519	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	4.822	4.822	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	2.857	2.857	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	7.253	7.253	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	7.253	7.253	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	14.466	14.466	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	8.033	8.033	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	4.822	4.822	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	4.822	4.822	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	14.734	14.734	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	15.519	15.519	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	8.439	8.439	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	8.439	8.439	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	7.635	7.635	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	7.635	7.635	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	7.635	7.635	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	7.635	7.635	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	7.635	7.635	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	7.635	7.635	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	7.635	7.635	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	7.635	7.635	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	7.635	7.635	0	%100
96	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
97	MP2B	X	7.635	7.635	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	7.635	7.635	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	7.635	7.635	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	7.635	7.635	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	6.932	6.932	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	6.932	6.932	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	8.898	8.898	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	8.898	8.898	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	M4	X	7.423	7.423	0	%100
2	M4	Z	4.286	4.286	0	%100
3	M10	X	2.094	2.094	0	%100
4	M10	Z	1.209	1.209	0	%100
5	M43	X	2.094	2.094	0	%100
6	M43	Z	1.209	1.209	0	%100
7	M46	X	4.176	4.176	0	%100
8	M46	Z	2.411	2.411	0	%100
9	M51B	X	2.319	2.319	0	%100
10	M51B	Z	1.339	1.339	0	%100
11	M52B	X	9.276	9.276	0	%100
12	M52B	Z	5.355	5.355	0	%100
13	M76	X	12.528	12.528	0	%100
14	M76	Z	7.233	7.233	0	%100
15	M77	X	4.253	4.253	0	%100
16	M77	Z	2.456	2.456	0	%100
17	M80	X	4.48	4.48	0	%100
18	M80	Z	2.587	2.587	0	%100
19	M84	X	12.528	12.528	0	%100
20	M84	Z	7.233	7.233	0	%100
21	M85	X	17.014	17.014	0	%100
22	M85	Z	9.823	9.823	0	%100
23	M91	X	17.92	17.92	0	%100
24	M91	Z	10.346	10.346	0	%100
25	M25	X	7.423	7.423	0	%100
26	M25	Z	4.286	4.286	0	%100
27	M26	X	2.094	2.094	0	%100
28	M26	Z	1.209	1.209	0	%100
29	M27	X	2.094	2.094	0	%100
30	M27	Z	1.209	1.209	0	%100
31	M28	X	4.176	4.176	0	%100
32	M28	Z	2.411	2.411	0	%100
33	M31	X	9.276	9.276	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
34	M31	Z	5.355	5.355	0	%100
35	M32	X	2.319	2.319	0	%100
36	M32	Z	1.339	1.339	0	%100
37	M36	X	12.528	12.528	0	%100
38	M36	Z	7.233	7.233	0	%100
39	M37	X	17.014	17.014	0	%100
40	M37	Z	9.823	9.823	0	%100
41	M39	X	17.92	17.92	0	%100
42	M39	Z	10.346	10.346	0	%100
43	M41	X	12.528	12.528	0	%100
44	M41	Z	7.233	7.233	0	%100
45	M42	X	4.253	4.253	0	%100
46	M42	Z	2.456	2.456	0	%100
47	M44	X	4.48	4.48	0	%100
48	M44	Z	2.587	2.587	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	8.375	8.375	0	%100
52	M50A	Z	4.835	4.835	0	%100
53	M51C	X	8.375	8.375	0	%100
54	M51C	Z	4.835	4.835	0	%100
55	M52A	X	16.704	16.704	0	%100
56	M52A	Z	9.644	9.644	0	%100
57	M55	X	2.319	2.319	0	%100
58	M55	Z	1.339	1.339	0	%100
59	M56	X	2.319	2.319	0	%100
60	M56	Z	1.339	1.339	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	4.253	4.253	0	%100
64	M61	Z	2.456	2.456	0	%100
65	M63	X	4.48	4.48	0	%100
66	M63	Z	2.587	2.587	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	4.253	4.253	0	%100
70	M66	Z	2.456	2.456	0	%100
71	M68	X	4.48	4.48	0	%100
72	M68	Z	2.587	2.587	0	%100
73	M73	X	2.436	2.436	0	%100
74	M73	Z	1.406	1.406	0	%100
75	M74	X	2.436	2.436	0	%100
76	M74	Z	1.406	1.406	0	%100
77	M75	X	9.744	9.744	0	%100
78	M75	Z	5.626	5.626	0	%100
79	MP1A	X	6.612	6.612	0	%100
80	MP1A	Z	3.817	3.817	0	%100
81	MP2A	X	6.612	6.612	0	%100
82	MP2A	Z	3.817	3.817	0	%100
83	MP3A	X	6.612	6.612	0	%100
84	MP3A	Z	3.817	3.817	0	%100
85	MP4A	X	6.612	6.612	0	%100
86	MP4A	Z	3.817	3.817	0	%100
87	MP1C	X	6.612	6.612	0	%100
88	MP1C	Z	3.817	3.817	0	%100
89	MP2C	X	6.612	6.612	0	%100
90	MP2C	Z	3.817	3.817	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	MP3C	X	6.612	6.612	0	%100
92	MP3C	Z	3.817	3.817	0	%100
93	MP4C	X	6.612	6.612	0	%100
94	MP4C	Z	3.817	3.817	0	%100
95	MP1B	X	6.612	6.612	0	%100
96	MP1B	Z	3.817	3.817	0	%100
97	MP2B	X	6.612	6.612	0	%100
98	MP2B	Z	3.817	3.817	0	%100
99	MP3B	X	6.612	6.612	0	%100
100	MP3B	Z	3.817	3.817	0	%100
101	MP4B	X	6.612	6.612	0	%100
102	MP4B	Z	3.817	3.817	0	%100
103	M101	X	6.612	6.612	0	%100
104	M101	Z	3.817	3.817	0	%100
105	M102	X	2.001	2.001	0	%100
106	M102	Z	1.155	1.155	0	%100
107	M103	X	2.001	2.001	0	%100
108	M103	Z	1.155	1.155	0	%100
109	M104	X	8.004	8.004	0	%100
110	M104	Z	4.621	4.621	0	%100
111	M123	X	2.569	2.569	0	%100
112	M123	Z	1.483	1.483	0	%100
113	M124	X	2.569	2.569	0	%100
114	M124	Z	1.483	1.483	0	%100
115	M125	X	10.274	10.274	0	%100
116	M125	Z	5.932	5.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	1.429	1.429	0	%100
2	M4	Z	2.474	2.474	0	%100
3	M10	X	3.626	3.626	0	%100
4	M10	Z	6.281	6.281	0	%100
5	M43	X	3.626	3.626	0	%100
6	M43	Z	6.281	6.281	0	%100
7	M46	X	7.233	7.233	0	%100
8	M46	Z	12.528	12.528	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	4.016	4.016	0	%100
12	M52B	Z	6.957	6.957	0	%100
13	M76	X	2.411	2.411	0	%100
14	M76	Z	4.176	4.176	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.411	2.411	0	%100
20	M84	Z	4.176	4.176	0	%100
21	M85	X	7.367	7.367	0	%100
22	M85	Z	12.76	12.76	0	%100
23	M91	X	7.76	7.76	0	%100
24	M91	Z	13.44	13.44	0	%100
25	M25	X	5.714	5.714	0	%100
26	M25	Z	9.897	9.897	0	%100
27	M26	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	4.016	4.016	0	%100
34	M31	Z	6.957	6.957	0	%100
35	M32	X	4.016	4.016	0	%100
36	M32	Z	6.957	6.957	0	%100
37	M36	X	9.644	9.644	0	%100
38	M36	Z	16.704	16.704	0	%100
39	M37	X	7.367	7.367	0	%100
40	M37	Z	12.76	12.76	0	%100
41	M39	X	7.76	7.76	0	%100
42	M39	Z	13.44	13.44	0	%100
43	M41	X	9.644	9.644	0	%100
44	M41	Z	16.704	16.704	0	%100
45	M42	X	7.367	7.367	0	%100
46	M42	Z	12.76	12.76	0	%100
47	M44	X	7.76	7.76	0	%100
48	M44	Z	13.44	13.44	0	%100
49	M49	X	1.429	1.429	0	%100
50	M49	Z	2.474	2.474	0	%100
51	M50A	X	3.626	3.626	0	%100
52	M50A	Z	6.281	6.281	0	%100
53	M51C	X	3.626	3.626	0	%100
54	M51C	Z	6.281	6.281	0	%100
55	M52A	X	7.233	7.233	0	%100
56	M52A	Z	12.528	12.528	0	%100
57	M55	X	4.016	4.016	0	%100
58	M55	Z	6.957	6.957	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	2.411	2.411	0	%100
62	M60	Z	4.176	4.176	0	%100
63	M61	X	7.367	7.367	0	%100
64	M61	Z	12.76	12.76	0	%100
65	M63	X	7.76	7.76	0	%100
66	M63	Z	13.44	13.44	0	%100
67	M65	X	2.411	2.411	0	%100
68	M65	Z	4.176	4.176	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	4.219	4.219	0	%100
74	M73	Z	7.308	7.308	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	4.219	4.219	0	%100
78	M75	Z	7.308	7.308	0	%100
79	MP1A	X	3.817	3.817	0	%100
80	MP1A	Z	6.612	6.612	0	%100
81	MP2A	X	3.817	3.817	0	%100
82	MP2A	Z	6.612	6.612	0	%100
83	MP3A	X	3.817	3.817	0	%100
84	MP3A	Z	6.612	6.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP4A	X	3.817	3.817	0	%100
86	MP4A	Z	6.612	6.612	0	%100
87	MP1C	X	3.817	3.817	0	%100
88	MP1C	Z	6.612	6.612	0	%100
89	MP2C	X	3.817	3.817	0	%100
90	MP2C	Z	6.612	6.612	0	%100
91	MP3C	X	3.817	3.817	0	%100
92	MP3C	Z	6.612	6.612	0	%100
93	MP4C	X	3.817	3.817	0	%100
94	MP4C	Z	6.612	6.612	0	%100
95	MP1B	X	3.817	3.817	0	%100
96	MP1B	Z	6.612	6.612	0	%100
97	MP2B	X	3.817	3.817	0	%100
98	MP2B	Z	6.612	6.612	0	%100
99	MP3B	X	3.817	3.817	0	%100
100	MP3B	Z	6.612	6.612	0	%100
101	MP4B	X	3.817	3.817	0	%100
102	MP4B	Z	6.612	6.612	0	%100
103	M101	X	3.817	3.817	0	%100
104	M101	Z	6.612	6.612	0	%100
105	M102	X	3.466	3.466	0	%100
106	M102	Z	6.003	6.003	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	3.466	3.466	0	%100
110	M104	Z	6.003	6.003	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	4.449	4.449	0	%100
114	M124	Z	7.706	7.706	0	%100
115	M125	X	4.449	4.449	0	%100
116	M125	Z	7.706	7.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	9.67	9.67	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	9.67	9.67	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	19.288	19.288	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	2.678	2.678	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	2.678	2.678	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	4.911	4.911	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	5.173	5.173	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	4.911	4.911	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	5.173	5.173	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	8.571	8.571	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.418	2.418	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.418	2.418	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.822	4.822	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	2.678	2.678	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	10.71	10.71	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	14.466	14.466	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	4.911	4.911	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	5.173	5.173	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	14.466	14.466	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	19.646	19.646	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	20.692	20.692	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	8.571	8.571	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	2.418	2.418	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	2.418	2.418	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	4.822	4.822	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	10.71	10.71	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	2.678	2.678	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	14.466	14.466	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	19.646	19.646	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	20.692	20.692	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	14.466	14.466	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	4.911	4.911	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	5.173	5.173	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	11.252	11.252	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	2.813	2.813	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	2.813	2.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP1A	X	0	0	0	%100
80	MP1A	Z	7.635	7.635	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	7.635	7.635	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	7.635	7.635	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	7.635	7.635	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	7.635	7.635	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	7.635	7.635	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	7.635	7.635	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	7.635	7.635	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	7.635	7.635	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	7.635	7.635	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	7.635	7.635	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	7.635	7.635	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	7.635	7.635	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	9.242	9.242	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	2.311	2.311	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	2.311	2.311	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	2.966	2.966	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	11.864	11.864	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	2.966	2.966	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-1.429	-1.429	0	%100
2	M4	Z	2.474	2.474	0	%100
3	M10	X	-3.626	-3.626	0	%100
4	M10	Z	6.281	6.281	0	%100
5	M43	X	-3.626	-3.626	0	%100
6	M43	Z	6.281	6.281	0	%100
7	M46	X	-7.233	-7.233	0	%100
8	M46	Z	12.528	12.528	0	%100
9	M51B	X	-4.016	-4.016	0	%100
10	M51B	Z	6.957	6.957	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.411	-2.411	0	%100
14	M76	Z	4.176	4.176	0	%100
15	M77	X	-7.367	-7.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
16	M77	Z	12.76	12.76	0	%100
17	M80	X	-7.76	-7.76	0	%100
18	M80	Z	13.44	13.44	0	%100
19	M84	X	-2.411	-2.411	0	%100
20	M84	Z	4.176	4.176	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.429	-1.429	0	%100
26	M25	Z	2.474	2.474	0	%100
27	M26	X	-3.626	-3.626	0	%100
28	M26	Z	6.281	6.281	0	%100
29	M27	X	-3.626	-3.626	0	%100
30	M27	Z	6.281	6.281	0	%100
31	M28	X	-7.233	-7.233	0	%100
32	M28	Z	12.528	12.528	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-4.016	-4.016	0	%100
36	M32	Z	6.957	6.957	0	%100
37	M36	X	-2.411	-2.411	0	%100
38	M36	Z	4.176	4.176	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-2.411	-2.411	0	%100
44	M41	Z	4.176	4.176	0	%100
45	M42	X	-7.367	-7.367	0	%100
46	M42	Z	12.76	12.76	0	%100
47	M44	X	-7.76	-7.76	0	%100
48	M44	Z	13.44	13.44	0	%100
49	M49	X	-5.714	-5.714	0	%100
50	M49	Z	9.897	9.897	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-4.016	-4.016	0	%100
58	M55	Z	6.957	6.957	0	%100
59	M56	X	-4.016	-4.016	0	%100
60	M56	Z	6.957	6.957	0	%100
61	M60	X	-9.644	-9.644	0	%100
62	M60	Z	16.704	16.704	0	%100
63	M61	X	-7.367	-7.367	0	%100
64	M61	Z	12.76	12.76	0	%100
65	M63	X	-7.76	-7.76	0	%100
66	M63	Z	13.44	13.44	0	%100
67	M65	X	-9.644	-9.644	0	%100
68	M65	Z	16.704	16.704	0	%100
69	M66	X	-7.367	-7.367	0	%100
70	M66	Z	12.76	12.76	0	%100
71	M68	X	-7.76	-7.76	0	%100
72	M68	Z	13.44	13.44	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
73	M73	X	-4.219	-4.219	0	%100
74	M73	Z	7.308	7.308	0	%100
75	M74	X	-4.219	-4.219	0	%100
76	M74	Z	7.308	7.308	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.817	-3.817	0	%100
80	MP1A	Z	6.612	6.612	0	%100
81	MP2A	X	-3.817	-3.817	0	%100
82	MP2A	Z	6.612	6.612	0	%100
83	MP3A	X	-3.817	-3.817	0	%100
84	MP3A	Z	6.612	6.612	0	%100
85	MP4A	X	-3.817	-3.817	0	%100
86	MP4A	Z	6.612	6.612	0	%100
87	MP1C	X	-3.817	-3.817	0	%100
88	MP1C	Z	6.612	6.612	0	%100
89	MP2C	X	-3.817	-3.817	0	%100
90	MP2C	Z	6.612	6.612	0	%100
91	MP3C	X	-3.817	-3.817	0	%100
92	MP3C	Z	6.612	6.612	0	%100
93	MP4C	X	-3.817	-3.817	0	%100
94	MP4C	Z	6.612	6.612	0	%100
95	MP1B	X	-3.817	-3.817	0	%100
96	MP1B	Z	6.612	6.612	0	%100
97	MP2B	X	-3.817	-3.817	0	%100
98	MP2B	Z	6.612	6.612	0	%100
99	MP3B	X	-3.817	-3.817	0	%100
100	MP3B	Z	6.612	6.612	0	%100
101	MP4B	X	-3.817	-3.817	0	%100
102	MP4B	Z	6.612	6.612	0	%100
103	M101	X	-3.817	-3.817	0	%100
104	M101	Z	6.612	6.612	0	%100
105	M102	X	-3.466	-3.466	0	%100
106	M102	Z	6.003	6.003	0	%100
107	M103	X	-3.466	-3.466	0	%100
108	M103	Z	6.003	6.003	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-4.449	-4.449	0	%100
112	M123	Z	7.706	7.706	0	%100
113	M124	X	-4.449	-4.449	0	%100
114	M124	Z	7.706	7.706	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	M4	X	-7.423	-7.423	0	%100
2	M4	Z	4.286	4.286	0	%100
3	M10	X	-2.094	-2.094	0	%100
4	M10	Z	1.209	1.209	0	%100
5	M43	X	-2.094	-2.094	0	%100
6	M43	Z	1.209	1.209	0	%100
7	M46	X	-4.176	-4.176	0	%100
8	M46	Z	2.411	2.411	0	%100
9	M51B	X	-9.276	-9.276	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	5.355	5.355	0	%100
11	M52B	X	-2.319	-2.319	0	%100
12	M52B	Z	1.339	1.339	0	%100
13	M76	X	-12.528	-12.528	0	%100
14	M76	Z	7.233	7.233	0	%100
15	M77	X	-17.014	-17.014	0	%100
16	M77	Z	9.823	9.823	0	%100
17	M80	X	-17.92	-17.92	0	%100
18	M80	Z	10.346	10.346	0	%100
19	M84	X	-12.528	-12.528	0	%100
20	M84	Z	7.233	7.233	0	%100
21	M85	X	-4.253	-4.253	0	%100
22	M85	Z	2.456	2.456	0	%100
23	M91	X	-4.48	-4.48	0	%100
24	M91	Z	2.587	2.587	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-8.375	-8.375	0	%100
28	M26	Z	4.835	4.835	0	%100
29	M27	X	-8.375	-8.375	0	%100
30	M27	Z	4.835	4.835	0	%100
31	M28	X	-16.704	-16.704	0	%100
32	M28	Z	9.644	9.644	0	%100
33	M31	X	-2.319	-2.319	0	%100
34	M31	Z	1.339	1.339	0	%100
35	M32	X	-2.319	-2.319	0	%100
36	M32	Z	1.339	1.339	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-4.253	-4.253	0	%100
40	M37	Z	2.456	2.456	0	%100
41	M39	X	-4.48	-4.48	0	%100
42	M39	Z	2.587	2.587	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-4.253	-4.253	0	%100
46	M42	Z	2.456	2.456	0	%100
47	M44	X	-4.48	-4.48	0	%100
48	M44	Z	2.587	2.587	0	%100
49	M49	X	-7.423	-7.423	0	%100
50	M49	Z	4.286	4.286	0	%100
51	M50A	X	-2.094	-2.094	0	%100
52	M50A	Z	1.209	1.209	0	%100
53	M51C	X	-2.094	-2.094	0	%100
54	M51C	Z	1.209	1.209	0	%100
55	M52A	X	-4.176	-4.176	0	%100
56	M52A	Z	2.411	2.411	0	%100
57	M55	X	-2.319	-2.319	0	%100
58	M55	Z	1.339	1.339	0	%100
59	M56	X	-9.276	-9.276	0	%100
60	M56	Z	5.355	5.355	0	%100
61	M60	X	-12.528	-12.528	0	%100
62	M60	Z	7.233	7.233	0	%100
63	M61	X	-4.253	-4.253	0	%100
64	M61	Z	2.456	2.456	0	%100
65	M63	X	-4.48	-4.48	0	%100
66	M63	Z	2.587	2.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	-12.528	-12.528	0	%100
68	M65	Z	7.233	7.233	0	%100
69	M66	X	-17.014	-17.014	0	%100
70	M66	Z	9.823	9.823	0	%100
71	M68	X	-17.92	-17.92	0	%100
72	M68	Z	10.346	10.346	0	%100
73	M73	X	-2.436	-2.436	0	%100
74	M73	Z	1.406	1.406	0	%100
75	M74	X	-9.744	-9.744	0	%100
76	M74	Z	5.626	5.626	0	%100
77	M75	X	-2.436	-2.436	0	%100
78	M75	Z	1.406	1.406	0	%100
79	MP1A	X	-6.612	-6.612	0	%100
80	MP1A	Z	3.817	3.817	0	%100
81	MP2A	X	-6.612	-6.612	0	%100
82	MP2A	Z	3.817	3.817	0	%100
83	MP3A	X	-6.612	-6.612	0	%100
84	MP3A	Z	3.817	3.817	0	%100
85	MP4A	X	-6.612	-6.612	0	%100
86	MP4A	Z	3.817	3.817	0	%100
87	MP1C	X	-6.612	-6.612	0	%100
88	MP1C	Z	3.817	3.817	0	%100
89	MP2C	X	-6.612	-6.612	0	%100
90	MP2C	Z	3.817	3.817	0	%100
91	MP3C	X	-6.612	-6.612	0	%100
92	MP3C	Z	3.817	3.817	0	%100
93	MP4C	X	-6.612	-6.612	0	%100
94	MP4C	Z	3.817	3.817	0	%100
95	MP1B	X	-6.612	-6.612	0	%100
96	MP1B	Z	3.817	3.817	0	%100
97	MP2B	X	-6.612	-6.612	0	%100
98	MP2B	Z	3.817	3.817	0	%100
99	MP3B	X	-6.612	-6.612	0	%100
100	MP3B	Z	3.817	3.817	0	%100
101	MP4B	X	-6.612	-6.612	0	%100
102	MP4B	Z	3.817	3.817	0	%100
103	M101	X	-6.612	-6.612	0	%100
104	M101	Z	3.817	3.817	0	%100
105	M102	X	-2.001	-2.001	0	%100
106	M102	Z	1.155	1.155	0	%100
107	M103	X	-8.004	-8.004	0	%100
108	M103	Z	4.621	4.621	0	%100
109	M104	X	-2.001	-2.001	0	%100
110	M104	Z	1.155	1.155	0	%100
111	M123	X	-10.274	-10.274	0	%100
112	M123	Z	5.932	5.932	0	%100
113	M124	X	-2.569	-2.569	0	%100
114	M124	Z	1.483	1.483	0	%100
115	M125	X	-2.569	-2.569	0	%100
116	M125	Z	1.483	1.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-11.428	-11.428	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-8.033	-8.033	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-8.033	-8.033	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-19.288	-19.288	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-14.734	-14.734	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-15.519	-15.519	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-19.288	-19.288	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-14.734	-14.734	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-15.519	-15.519	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-2.857	-2.857	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-7.253	-7.253	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-7.253	-7.253	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-14.466	-14.466	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-8.033	-8.033	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-4.822	-4.822	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-14.734	-14.734	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-15.519	-15.519	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-4.822	-4.822	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-2.857	-2.857	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-7.253	-7.253	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-7.253	-7.253	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-14.466	-14.466	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-8.033	-8.033	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
61	M60	X	-4.822	-4.822	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-4.822	-4.822	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-14.734	-14.734	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-15.519	-15.519	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-8.439	-8.439	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-8.439	-8.439	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-7.635	-7.635	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-7.635	-7.635	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-7.635	-7.635	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-7.635	-7.635	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-7.635	-7.635	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-7.635	-7.635	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-7.635	-7.635	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-7.635	-7.635	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-7.635	-7.635	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-7.635	-7.635	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-7.635	-7.635	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-7.635	-7.635	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	-7.635	-7.635	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	-6.932	-6.932	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	-6.932	-6.932	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-8.898	-8.898	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	-8.898	-8.898	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	M4	X	-7.423	-7.423	0	%100
2	M4	Z	-4.286	-4.286	0	%100
3	M10	X	-2.094	-2.094	0	%100
4	M10	Z	-1.209	-1.209	0	%100
5	M43	X	-2.094	-2.094	0	%100
6	M43	Z	-1.209	-1.209	0	%100
7	M46	X	-4.176	-4.176	0	%100
8	M46	Z	-2.411	-2.411	0	%100
9	M51B	X	-2.319	-2.319	0	%100
10	M51B	Z	-1.339	-1.339	0	%100
11	M52B	X	-9.276	-9.276	0	%100
12	M52B	Z	-5.355	-5.355	0	%100
13	M76	X	-12.528	-12.528	0	%100
14	M76	Z	-7.233	-7.233	0	%100
15	M77	X	-4.253	-4.253	0	%100
16	M77	Z	-2.456	-2.456	0	%100
17	M80	X	-4.48	-4.48	0	%100
18	M80	Z	-2.587	-2.587	0	%100
19	M84	X	-12.528	-12.528	0	%100
20	M84	Z	-7.233	-7.233	0	%100
21	M85	X	-17.014	-17.014	0	%100
22	M85	Z	-9.823	-9.823	0	%100
23	M91	X	-17.92	-17.92	0	%100
24	M91	Z	-10.346	-10.346	0	%100
25	M25	X	-7.423	-7.423	0	%100
26	M25	Z	-4.286	-4.286	0	%100
27	M26	X	-2.094	-2.094	0	%100
28	M26	Z	-1.209	-1.209	0	%100
29	M27	X	-2.094	-2.094	0	%100
30	M27	Z	-1.209	-1.209	0	%100
31	M28	X	-4.176	-4.176	0	%100
32	M28	Z	-2.411	-2.411	0	%100
33	M31	X	-9.276	-9.276	0	%100
34	M31	Z	-5.355	-5.355	0	%100
35	M32	X	-2.319	-2.319	0	%100
36	M32	Z	-1.339	-1.339	0	%100
37	M36	X	-12.528	-12.528	0	%100
38	M36	Z	-7.233	-7.233	0	%100
39	M37	X	-17.014	-17.014	0	%100
40	M37	Z	-9.823	-9.823	0	%100
41	M39	X	-17.92	-17.92	0	%100
42	M39	Z	-10.346	-10.346	0	%100
43	M41	X	-12.528	-12.528	0	%100
44	M41	Z	-7.233	-7.233	0	%100
45	M42	X	-4.253	-4.253	0	%100
46	M42	Z	-2.456	-2.456	0	%100
47	M44	X	-4.48	-4.48	0	%100
48	M44	Z	-2.587	-2.587	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-8.375	-8.375	0	%100
52	M50A	Z	-4.835	-4.835	0	%100
53	M51C	X	-8.375	-8.375	0	%100
54	M51C	Z	-4.835	-4.835	0	%100
55	M52A	X	-16.704	-16.704	0	%100
56	M52A	Z	-9.644	-9.644	0	%100
57	M55	X	-2.319	-2.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	-1.339	-1.339	0	%100
59	M56	X	-2.319	-2.319	0	%100
60	M56	Z	-1.339	-1.339	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-4.253	-4.253	0	%100
64	M61	Z	-2.456	-2.456	0	%100
65	M63	X	-4.48	-4.48	0	%100
66	M63	Z	-2.587	-2.587	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-4.253	-4.253	0	%100
70	M66	Z	-2.456	-2.456	0	%100
71	M68	X	-4.48	-4.48	0	%100
72	M68	Z	-2.587	-2.587	0	%100
73	M73	X	-2.436	-2.436	0	%100
74	M73	Z	-1.406	-1.406	0	%100
75	M74	X	-2.436	-2.436	0	%100
76	M74	Z	-1.406	-1.406	0	%100
77	M75	X	-9.744	-9.744	0	%100
78	M75	Z	-5.626	-5.626	0	%100
79	MP1A	X	-6.612	-6.612	0	%100
80	MP1A	Z	-3.817	-3.817	0	%100
81	MP2A	X	-6.612	-6.612	0	%100
82	MP2A	Z	-3.817	-3.817	0	%100
83	MP3A	X	-6.612	-6.612	0	%100
84	MP3A	Z	-3.817	-3.817	0	%100
85	MP4A	X	-6.612	-6.612	0	%100
86	MP4A	Z	-3.817	-3.817	0	%100
87	MP1C	X	-6.612	-6.612	0	%100
88	MP1C	Z	-3.817	-3.817	0	%100
89	MP2C	X	-6.612	-6.612	0	%100
90	MP2C	Z	-3.817	-3.817	0	%100
91	MP3C	X	-6.612	-6.612	0	%100
92	MP3C	Z	-3.817	-3.817	0	%100
93	MP4C	X	-6.612	-6.612	0	%100
94	MP4C	Z	-3.817	-3.817	0	%100
95	MP1B	X	-6.612	-6.612	0	%100
96	MP1B	Z	-3.817	-3.817	0	%100
97	MP2B	X	-6.612	-6.612	0	%100
98	MP2B	Z	-3.817	-3.817	0	%100
99	MP3B	X	-6.612	-6.612	0	%100
100	MP3B	Z	-3.817	-3.817	0	%100
101	MP4B	X	-6.612	-6.612	0	%100
102	MP4B	Z	-3.817	-3.817	0	%100
103	M101	X	-6.612	-6.612	0	%100
104	M101	Z	-3.817	-3.817	0	%100
105	M102	X	-2.001	-2.001	0	%100
106	M102	Z	-1.155	-1.155	0	%100
107	M103	X	-2.001	-2.001	0	%100
108	M103	Z	-1.155	-1.155	0	%100
109	M104	X	-8.004	-8.004	0	%100
110	M104	Z	-4.621	-4.621	0	%100
111	M123	X	-2.569	-2.569	0	%100
112	M123	Z	-1.483	-1.483	0	%100
113	M124	X	-2.569	-2.569	0	%100
114	M124	Z	-1.483	-1.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	-10.274	-10.274	0	%100
116	M125	Z	-5.932	-5.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-1.429	-1.429	0	%100
2	M4	Z	-2.474	-2.474	0	%100
3	M10	X	-3.626	-3.626	0	%100
4	M10	Z	-6.281	-6.281	0	%100
5	M43	X	-3.626	-3.626	0	%100
6	M43	Z	-6.281	-6.281	0	%100
7	M46	X	-7.233	-7.233	0	%100
8	M46	Z	-12.528	-12.528	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-4.016	-4.016	0	%100
12	M52B	Z	-6.957	-6.957	0	%100
13	M76	X	-2.411	-2.411	0	%100
14	M76	Z	-4.176	-4.176	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-2.411	-2.411	0	%100
20	M84	Z	-4.176	-4.176	0	%100
21	M85	X	-7.367	-7.367	0	%100
22	M85	Z	-12.76	-12.76	0	%100
23	M91	X	-7.76	-7.76	0	%100
24	M91	Z	-13.44	-13.44	0	%100
25	M25	X	-5.714	-5.714	0	%100
26	M25	Z	-9.897	-9.897	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-4.016	-4.016	0	%100
34	M31	Z	-6.957	-6.957	0	%100
35	M32	X	-4.016	-4.016	0	%100
36	M32	Z	-6.957	-6.957	0	%100
37	M36	X	-9.644	-9.644	0	%100
38	M36	Z	-16.704	-16.704	0	%100
39	M37	X	-7.367	-7.367	0	%100
40	M37	Z	-12.76	-12.76	0	%100
41	M39	X	-7.76	-7.76	0	%100
42	M39	Z	-13.44	-13.44	0	%100
43	M41	X	-9.644	-9.644	0	%100
44	M41	Z	-16.704	-16.704	0	%100
45	M42	X	-7.367	-7.367	0	%100
46	M42	Z	-12.76	-12.76	0	%100
47	M44	X	-7.76	-7.76	0	%100
48	M44	Z	-13.44	-13.44	0	%100
49	M49	X	-1.429	-1.429	0	%100
50	M49	Z	-2.474	-2.474	0	%100
51	M50A	X	-3.626	-3.626	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
52	M50A	Z	-6.281	-6.281	0	%100
53	M51C	X	-3.626	-3.626	0	%100
54	M51C	Z	-6.281	-6.281	0	%100
55	M52A	X	-7.233	-7.233	0	%100
56	M52A	Z	-12.528	-12.528	0	%100
57	M55	X	-4.016	-4.016	0	%100
58	M55	Z	-6.957	-6.957	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-2.411	-2.411	0	%100
62	M60	Z	-4.176	-4.176	0	%100
63	M61	X	-7.367	-7.367	0	%100
64	M61	Z	-12.76	-12.76	0	%100
65	M63	X	-7.76	-7.76	0	%100
66	M63	Z	-13.44	-13.44	0	%100
67	M65	X	-2.411	-2.411	0	%100
68	M65	Z	-4.176	-4.176	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-4.219	-4.219	0	%100
74	M73	Z	-7.308	-7.308	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-4.219	-4.219	0	%100
78	M75	Z	-7.308	-7.308	0	%100
79	MP1A	X	-3.817	-3.817	0	%100
80	MP1A	Z	-6.612	-6.612	0	%100
81	MP2A	X	-3.817	-3.817	0	%100
82	MP2A	Z	-6.612	-6.612	0	%100
83	MP3A	X	-3.817	-3.817	0	%100
84	MP3A	Z	-6.612	-6.612	0	%100
85	MP4A	X	-3.817	-3.817	0	%100
86	MP4A	Z	-6.612	-6.612	0	%100
87	MP1C	X	-3.817	-3.817	0	%100
88	MP1C	Z	-6.612	-6.612	0	%100
89	MP2C	X	-3.817	-3.817	0	%100
90	MP2C	Z	-6.612	-6.612	0	%100
91	MP3C	X	-3.817	-3.817	0	%100
92	MP3C	Z	-6.612	-6.612	0	%100
93	MP4C	X	-3.817	-3.817	0	%100
94	MP4C	Z	-6.612	-6.612	0	%100
95	MP1B	X	-3.817	-3.817	0	%100
96	MP1B	Z	-6.612	-6.612	0	%100
97	MP2B	X	-3.817	-3.817	0	%100
98	MP2B	Z	-6.612	-6.612	0	%100
99	MP3B	X	-3.817	-3.817	0	%100
100	MP3B	Z	-6.612	-6.612	0	%100
101	MP4B	X	-3.817	-3.817	0	%100
102	MP4B	Z	-6.612	-6.612	0	%100
103	M101	X	-3.817	-3.817	0	%100
104	M101	Z	-6.612	-6.612	0	%100
105	M102	X	-3.466	-3.466	0	%100
106	M102	Z	-6.003	-6.003	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M104	X	-3.466	-3.466	0	%100
110	M104	Z	-6.003	-6.003	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-4.449	-4.449	0	%100
114	M124	Z	-7.706	-7.706	0	%100
115	M125	X	-4.449	-4.449	0	%100
116	M125	Z	-7.706	-7.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.112	-3.112	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.112	-3.112	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-4.666	-4.666	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.882	-.882	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.882	-.882	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.173	-1.173	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.22	-1.22	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.173	-1.173	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.22	-1.22	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-2.841	-2.841	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.778	-.778	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.778	-.778	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.167	-1.167	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.882	-.882	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-3.528	-3.528	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-3.47	-3.47	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.173	-1.173	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.22	-1.22	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-3.47	-3.47	0	%100
45	M42	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	-4.691	-4.691	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-4.881	-4.881	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-2.841	-2.841	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.778	-.778	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.778	-.778	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-1.167	-1.167	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-3.528	-3.528	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.882	-.882	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-3.47	-3.47	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-4.691	-4.691	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-4.881	-4.881	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-3.47	-3.47	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-1.173	-1.173	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-1.22	-1.22	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-4.014	-4.014	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-1.004	-1.004	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-1.004	-1.004	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.34	-3.34	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.34	-3.34	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.34	-3.34	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.34	-3.34	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.34	-3.34	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.34	-3.34	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-3.34	-3.34	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-3.34	-3.34	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-3.34	-3.34	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.34	-3.34	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.34	-3.34	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-3.34	-3.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	0	0	0	%100
104	M101	Z	-3.211	-3.211	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-3.654	-3.654	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	-.913	-.913	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-.913	-.913	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.875	-.875	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.499	-3.499	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.875	-.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.474	.474	0	%100
2	M4	Z	-.82	-.82	0	%100
3	M10	X	1.167	1.167	0	%100
4	M10	Z	-2.021	-2.021	0	%100
5	M43	X	1.167	1.167	0	%100
6	M43	Z	-2.021	-2.021	0	%100
7	M46	X	1.75	1.75	0	%100
8	M46	Z	-3.031	-3.031	0	%100
9	M51B	X	1.323	1.323	0	%100
10	M51B	Z	-2.291	-2.291	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.578	.578	0	%100
14	M76	Z	-1.002	-1.002	0	%100
15	M77	X	1.759	1.759	0	%100
16	M77	Z	-3.047	-3.047	0	%100
17	M80	X	1.83	1.83	0	%100
18	M80	Z	-3.17	-3.17	0	%100
19	M84	X	.578	.578	0	%100
20	M84	Z	-1.002	-1.002	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.474	.474	0	%100
26	M25	Z	-.82	-.82	0	%100
27	M26	X	1.167	1.167	0	%100
28	M26	Z	-2.021	-2.021	0	%100
29	M27	X	1.167	1.167	0	%100
30	M27	Z	-2.021	-2.021	0	%100
31	M28	X	1.75	1.75	0	%100
32	M28	Z	-3.031	-3.031	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.323	1.323	0	%100
36	M32	Z	-2.291	-2.291	0	%100
37	M36	X	.578	.578	0	%100
38	M36	Z	-1.002	-1.002	0	%100
39	M37	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.578	.578	0	%100
44	M41	Z	-1.002	-1.002	0	%100
45	M42	X	1.759	1.759	0	%100
46	M42	Z	-3.047	-3.047	0	%100
47	M44	X	1.83	1.83	0	%100
48	M44	Z	-3.17	-3.17	0	%100
49	M49	X	1.894	1.894	0	%100
50	M49	Z	-3.281	-3.281	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	1.323	1.323	0	%100
58	M55	Z	-2.291	-2.291	0	%100
59	M56	X	1.323	1.323	0	%100
60	M56	Z	-2.291	-2.291	0	%100
61	M60	X	2.313	2.313	0	%100
62	M60	Z	-4.007	-4.007	0	%100
63	M61	X	1.759	1.759	0	%100
64	M61	Z	-3.047	-3.047	0	%100
65	M63	X	1.83	1.83	0	%100
66	M63	Z	-3.17	-3.17	0	%100
67	M65	X	2.313	2.313	0	%100
68	M65	Z	-4.007	-4.007	0	%100
69	M66	X	1.759	1.759	0	%100
70	M66	Z	-3.047	-3.047	0	%100
71	M68	X	1.83	1.83	0	%100
72	M68	Z	-3.17	-3.17	0	%100
73	M73	X	1.505	1.505	0	%100
74	M73	Z	-2.607	-2.607	0	%100
75	M74	X	1.505	1.505	0	%100
76	M74	Z	-2.607	-2.607	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.67	1.67	0	%100
80	MP1A	Z	-2.892	-2.892	0	%100
81	MP2A	X	1.67	1.67	0	%100
82	MP2A	Z	-2.892	-2.892	0	%100
83	MP3A	X	1.67	1.67	0	%100
84	MP3A	Z	-2.892	-2.892	0	%100
85	MP4A	X	1.67	1.67	0	%100
86	MP4A	Z	-2.892	-2.892	0	%100
87	MP1C	X	1.67	1.67	0	%100
88	MP1C	Z	-2.892	-2.892	0	%100
89	MP2C	X	1.67	1.67	0	%100
90	MP2C	Z	-2.892	-2.892	0	%100
91	MP3C	X	1.67	1.67	0	%100
92	MP3C	Z	-2.892	-2.892	0	%100
93	MP4C	X	1.67	1.67	0	%100
94	MP4C	Z	-2.892	-2.892	0	%100
95	MP1B	X	1.67	1.67	0	%100
96	MP1B	Z	-2.892	-2.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
97	MP2B	X	1.67	1.67	0	%100
98	MP2B	Z	-2.892	-2.892	0	%100
99	MP3B	X	1.67	1.67	0	%100
100	MP3B	Z	-2.892	-2.892	0	%100
101	MP4B	X	1.67	1.67	0	%100
102	MP4B	Z	-2.892	-2.892	0	%100
103	M101	X	1.606	1.606	0	%100
104	M101	Z	-2.781	-2.781	0	%100
105	M102	X	1.37	1.37	0	%100
106	M102	Z	-2.373	-2.373	0	%100
107	M103	X	1.37	1.37	0	%100
108	M103	Z	-2.373	-2.373	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	1.312	1.312	0	%100
112	M123	Z	-2.273	-2.273	0	%100
113	M124	X	1.312	1.312	0	%100
114	M124	Z	-2.273	-2.273	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	M4	X	2.461	2.461	0	%100
2	M4	Z	-1.421	-1.421	0	%100
3	M10	X	.674	.674	0	%100
4	M10	Z	-.389	-.389	0	%100
5	M43	X	.674	.674	0	%100
6	M43	Z	-.389	-.389	0	%100
7	M46	X	1.01	1.01	0	%100
8	M46	Z	-.583	-.583	0	%100
9	M51B	X	3.055	3.055	0	%100
10	M51B	Z	-1.764	-1.764	0	%100
11	M52B	X	.764	.764	0	%100
12	M52B	Z	-.441	-.441	0	%100
13	M76	X	3.005	3.005	0	%100
14	M76	Z	-1.735	-1.735	0	%100
15	M77	X	4.062	4.062	0	%100
16	M77	Z	-2.345	-2.345	0	%100
17	M80	X	4.227	4.227	0	%100
18	M80	Z	-2.441	-2.441	0	%100
19	M84	X	3.005	3.005	0	%100
20	M84	Z	-1.735	-1.735	0	%100
21	M85	X	1.016	1.016	0	%100
22	M85	Z	-.586	-.586	0	%100
23	M91	X	1.057	1.057	0	%100
24	M91	Z	-.61	-.61	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.695	2.695	0	%100
28	M26	Z	-1.556	-1.556	0	%100
29	M27	X	2.695	2.695	0	%100
30	M27	Z	-1.556	-1.556	0	%100
31	M28	X	4.041	4.041	0	%100
32	M28	Z	-2.333	-2.333	0	%100
33	M31	X	.764	.764	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
34	M31	Z	-.441	-.441	0	%100
35	M32	X	.764	.764	0	%100
36	M32	Z	-.441	-.441	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.016	1.016	0	%100
40	M37	Z	-.586	-.586	0	%100
41	M39	X	1.057	1.057	0	%100
42	M39	Z	-.61	-.61	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.016	1.016	0	%100
46	M42	Z	-.586	-.586	0	%100
47	M44	X	1.057	1.057	0	%100
48	M44	Z	-.61	-.61	0	%100
49	M49	X	2.461	2.461	0	%100
50	M49	Z	-1.421	-1.421	0	%100
51	M50A	X	.674	.674	0	%100
52	M50A	Z	-.389	-.389	0	%100
53	M51C	X	.674	.674	0	%100
54	M51C	Z	-.389	-.389	0	%100
55	M52A	X	1.01	1.01	0	%100
56	M52A	Z	-.583	-.583	0	%100
57	M55	X	.764	.764	0	%100
58	M55	Z	-.441	-.441	0	%100
59	M56	X	3.055	3.055	0	%100
60	M56	Z	-1.764	-1.764	0	%100
61	M60	X	3.005	3.005	0	%100
62	M60	Z	-1.735	-1.735	0	%100
63	M61	X	1.016	1.016	0	%100
64	M61	Z	-.586	-.586	0	%100
65	M63	X	1.057	1.057	0	%100
66	M63	Z	-.61	-.61	0	%100
67	M65	X	3.005	3.005	0	%100
68	M65	Z	-1.735	-1.735	0	%100
69	M66	X	4.062	4.062	0	%100
70	M66	Z	-2.345	-2.345	0	%100
71	M68	X	4.227	4.227	0	%100
72	M68	Z	-2.441	-2.441	0	%100
73	M73	X	.869	.869	0	%100
74	M73	Z	-.502	-.502	0	%100
75	M74	X	3.477	3.477	0	%100
76	M74	Z	-2.007	-2.007	0	%100
77	M75	X	.869	.869	0	%100
78	M75	Z	-.502	-.502	0	%100
79	MP1A	X	2.892	2.892	0	%100
80	MP1A	Z	-1.67	-1.67	0	%100
81	MP2A	X	2.892	2.892	0	%100
82	MP2A	Z	-1.67	-1.67	0	%100
83	MP3A	X	2.892	2.892	0	%100
84	MP3A	Z	-1.67	-1.67	0	%100
85	MP4A	X	2.892	2.892	0	%100
86	MP4A	Z	-1.67	-1.67	0	%100
87	MP1C	X	2.892	2.892	0	%100
88	MP1C	Z	-1.67	-1.67	0	%100
89	MP2C	X	2.892	2.892	0	%100
90	MP2C	Z	-1.67	-1.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	MP3C	X	2.892	2.892	0	%100
92	MP3C	Z	-1.67	-1.67	0	%100
93	MP4C	X	2.892	2.892	0	%100
94	MP4C	Z	-1.67	-1.67	0	%100
95	MP1B	X	2.892	2.892	0	%100
96	MP1B	Z	-1.67	-1.67	0	%100
97	MP2B	X	2.892	2.892	0	%100
98	MP2B	Z	-1.67	-1.67	0	%100
99	MP3B	X	2.892	2.892	0	%100
100	MP3B	Z	-1.67	-1.67	0	%100
101	MP4B	X	2.892	2.892	0	%100
102	MP4B	Z	-1.67	-1.67	0	%100
103	M101	X	2.781	2.781	0	%100
104	M101	Z	-1.606	-1.606	0	%100
105	M102	X	.791	.791	0	%100
106	M102	Z	-.457	-.457	0	%100
107	M103	X	3.164	3.164	0	%100
108	M103	Z	-1.827	-1.827	0	%100
109	M104	X	.791	.791	0	%100
110	M104	Z	-.457	-.457	0	%100
111	M123	X	3.03	3.03	0	%100
112	M123	Z	-1.749	-1.749	0	%100
113	M124	X	.758	.758	0	%100
114	M124	Z	-.437	-.437	0	%100
115	M125	X	.758	.758	0	%100
116	M125	Z	-.437	-.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	3.788	3.788	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.646	2.646	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.646	2.646	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	4.626	4.626	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.518	3.518	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	3.661	3.661	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	4.626	4.626	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	3.518	3.518	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	3.661	3.661	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.947	.947	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.334	2.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
28	M26	Z	0	0	0	%100
29	M27	X	2.334	2.334	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	3.5	3.5	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	2.646	2.646	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.157	1.157	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	3.518	3.518	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	3.661	3.661	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.157	1.157	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.947	.947	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.334	2.334	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	2.334	2.334	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	3.5	3.5	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	2.646	2.646	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	1.157	1.157	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	1.157	1.157	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	3.518	3.518	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	3.661	3.661	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.011	3.011	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.011	3.011	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.34	3.34	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.34	3.34	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.34	3.34	0	%100
84	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP4A	X	3.34	3.34	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	3.34	3.34	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	3.34	3.34	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	3.34	3.34	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	3.34	3.34	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	3.34	3.34	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	3.34	3.34	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.34	3.34	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	3.34	3.34	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	3.211	3.211	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	2.74	2.74	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	2.74	2.74	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	2.624	2.624	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	2.624	2.624	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	M4	X	2.461	2.461	0	%100
2	M4	Z	1.421	1.421	0	%100
3	M10	X	.674	.674	0	%100
4	M10	Z	.389	.389	0	%100
5	M43	X	.674	.674	0	%100
6	M43	Z	.389	.389	0	%100
7	M46	X	1.01	1.01	0	%100
8	M46	Z	.583	.583	0	%100
9	M51B	X	.764	.764	0	%100
10	M51B	Z	.441	.441	0	%100
11	M52B	X	3.055	3.055	0	%100
12	M52B	Z	1.764	1.764	0	%100
13	M76	X	3.005	3.005	0	%100
14	M76	Z	1.735	1.735	0	%100
15	M77	X	1.016	1.016	0	%100
16	M77	Z	.586	.586	0	%100
17	M80	X	1.057	1.057	0	%100
18	M80	Z	.61	.61	0	%100
19	M84	X	3.005	3.005	0	%100
20	M84	Z	1.735	1.735	0	%100
21	M85	X	4.062	4.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	2.345	2.345	0	%100
23	M91	X	4.227	4.227	0	%100
24	M91	Z	2.441	2.441	0	%100
25	M25	X	2.461	2.461	0	%100
26	M25	Z	1.421	1.421	0	%100
27	M26	X	.674	.674	0	%100
28	M26	Z	.389	.389	0	%100
29	M27	X	.674	.674	0	%100
30	M27	Z	.389	.389	0	%100
31	M28	X	1.01	1.01	0	%100
32	M28	Z	.583	.583	0	%100
33	M31	X	3.055	3.055	0	%100
34	M31	Z	1.764	1.764	0	%100
35	M32	X	.764	.764	0	%100
36	M32	Z	.441	.441	0	%100
37	M36	X	3.005	3.005	0	%100
38	M36	Z	1.735	1.735	0	%100
39	M37	X	4.062	4.062	0	%100
40	M37	Z	2.345	2.345	0	%100
41	M39	X	4.227	4.227	0	%100
42	M39	Z	2.441	2.441	0	%100
43	M41	X	3.005	3.005	0	%100
44	M41	Z	1.735	1.735	0	%100
45	M42	X	1.016	1.016	0	%100
46	M42	Z	.586	.586	0	%100
47	M44	X	1.057	1.057	0	%100
48	M44	Z	.61	.61	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.695	2.695	0	%100
52	M50A	Z	1.556	1.556	0	%100
53	M51C	X	2.695	2.695	0	%100
54	M51C	Z	1.556	1.556	0	%100
55	M52A	X	4.041	4.041	0	%100
56	M52A	Z	2.333	2.333	0	%100
57	M55	X	.764	.764	0	%100
58	M55	Z	.441	.441	0	%100
59	M56	X	.764	.764	0	%100
60	M56	Z	.441	.441	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.016	1.016	0	%100
64	M61	Z	.586	.586	0	%100
65	M63	X	1.057	1.057	0	%100
66	M63	Z	.61	.61	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.016	1.016	0	%100
70	M66	Z	.586	.586	0	%100
71	M68	X	1.057	1.057	0	%100
72	M68	Z	.61	.61	0	%100
73	M73	X	.869	.869	0	%100
74	M73	Z	.502	.502	0	%100
75	M74	X	.869	.869	0	%100
76	M74	Z	.502	.502	0	%100
77	M75	X	3.477	3.477	0	%100
78	M75	Z	2.007	2.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP1A	X	2.892	2.892	0	%100
80	MP1A	Z	1.67	1.67	0	%100
81	MP2A	X	2.892	2.892	0	%100
82	MP2A	Z	1.67	1.67	0	%100
83	MP3A	X	2.892	2.892	0	%100
84	MP3A	Z	1.67	1.67	0	%100
85	MP4A	X	2.892	2.892	0	%100
86	MP4A	Z	1.67	1.67	0	%100
87	MP1C	X	2.892	2.892	0	%100
88	MP1C	Z	1.67	1.67	0	%100
89	MP2C	X	2.892	2.892	0	%100
90	MP2C	Z	1.67	1.67	0	%100
91	MP3C	X	2.892	2.892	0	%100
92	MP3C	Z	1.67	1.67	0	%100
93	MP4C	X	2.892	2.892	0	%100
94	MP4C	Z	1.67	1.67	0	%100
95	MP1B	X	2.892	2.892	0	%100
96	MP1B	Z	1.67	1.67	0	%100
97	MP2B	X	2.892	2.892	0	%100
98	MP2B	Z	1.67	1.67	0	%100
99	MP3B	X	2.892	2.892	0	%100
100	MP3B	Z	1.67	1.67	0	%100
101	MP4B	X	2.892	2.892	0	%100
102	MP4B	Z	1.67	1.67	0	%100
103	M101	X	2.781	2.781	0	%100
104	M101	Z	1.606	1.606	0	%100
105	M102	X	.791	.791	0	%100
106	M102	Z	.457	.457	0	%100
107	M103	X	.791	.791	0	%100
108	M103	Z	.457	.457	0	%100
109	M104	X	3.164	3.164	0	%100
110	M104	Z	1.827	1.827	0	%100
111	M123	X	.758	.758	0	%100
112	M123	Z	.437	.437	0	%100
113	M124	X	.758	.758	0	%100
114	M124	Z	.437	.437	0	%100
115	M125	X	3.03	3.03	0	%100
116	M125	Z	1.749	1.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.474	.474	0	%100
2	M4	Z	.82	.82	0	%100
3	M10	X	1.167	1.167	0	%100
4	M10	Z	2.021	2.021	0	%100
5	M43	X	1.167	1.167	0	%100
6	M43	Z	2.021	2.021	0	%100
7	M46	X	1.75	1.75	0	%100
8	M46	Z	3.031	3.031	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.323	1.323	0	%100
12	M52B	Z	2.291	2.291	0	%100
13	M76	X	.578	.578	0	%100
14	M76	Z	1.002	1.002	0	%100
15	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.578	.578	0	%100
20	M84	Z	1.002	1.002	0	%100
21	M85	X	1.759	1.759	0	%100
22	M85	Z	3.047	3.047	0	%100
23	M91	X	1.83	1.83	0	%100
24	M91	Z	3.17	3.17	0	%100
25	M25	X	1.894	1.894	0	%100
26	M25	Z	3.281	3.281	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.323	1.323	0	%100
34	M31	Z	2.291	2.291	0	%100
35	M32	X	1.323	1.323	0	%100
36	M32	Z	2.291	2.291	0	%100
37	M36	X	2.313	2.313	0	%100
38	M36	Z	4.007	4.007	0	%100
39	M37	X	1.759	1.759	0	%100
40	M37	Z	3.047	3.047	0	%100
41	M39	X	1.83	1.83	0	%100
42	M39	Z	3.17	3.17	0	%100
43	M41	X	2.313	2.313	0	%100
44	M41	Z	4.007	4.007	0	%100
45	M42	X	1.759	1.759	0	%100
46	M42	Z	3.047	3.047	0	%100
47	M44	X	1.83	1.83	0	%100
48	M44	Z	3.17	3.17	0	%100
49	M49	X	.474	.474	0	%100
50	M49	Z	.82	.82	0	%100
51	M50A	X	1.167	1.167	0	%100
52	M50A	Z	2.021	2.021	0	%100
53	M51C	X	1.167	1.167	0	%100
54	M51C	Z	2.021	2.021	0	%100
55	M52A	X	1.75	1.75	0	%100
56	M52A	Z	3.031	3.031	0	%100
57	M55	X	1.323	1.323	0	%100
58	M55	Z	2.291	2.291	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.578	.578	0	%100
62	M60	Z	1.002	1.002	0	%100
63	M61	X	1.759	1.759	0	%100
64	M61	Z	3.047	3.047	0	%100
65	M63	X	1.83	1.83	0	%100
66	M63	Z	3.17	3.17	0	%100
67	M65	X	.578	.578	0	%100
68	M65	Z	1.002	1.002	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
73	M73	X	1.505	1.505	0	%100
74	M73	Z	2.607	2.607	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.505	1.505	0	%100
78	M75	Z	2.607	2.607	0	%100
79	MP1A	X	1.67	1.67	0	%100
80	MP1A	Z	2.892	2.892	0	%100
81	MP2A	X	1.67	1.67	0	%100
82	MP2A	Z	2.892	2.892	0	%100
83	MP3A	X	1.67	1.67	0	%100
84	MP3A	Z	2.892	2.892	0	%100
85	MP4A	X	1.67	1.67	0	%100
86	MP4A	Z	2.892	2.892	0	%100
87	MP1C	X	1.67	1.67	0	%100
88	MP1C	Z	2.892	2.892	0	%100
89	MP2C	X	1.67	1.67	0	%100
90	MP2C	Z	2.892	2.892	0	%100
91	MP3C	X	1.67	1.67	0	%100
92	MP3C	Z	2.892	2.892	0	%100
93	MP4C	X	1.67	1.67	0	%100
94	MP4C	Z	2.892	2.892	0	%100
95	MP1B	X	1.67	1.67	0	%100
96	MP1B	Z	2.892	2.892	0	%100
97	MP2B	X	1.67	1.67	0	%100
98	MP2B	Z	2.892	2.892	0	%100
99	MP3B	X	1.67	1.67	0	%100
100	MP3B	Z	2.892	2.892	0	%100
101	MP4B	X	1.67	1.67	0	%100
102	MP4B	Z	2.892	2.892	0	%100
103	M101	X	1.606	1.606	0	%100
104	M101	Z	2.781	2.781	0	%100
105	M102	X	1.37	1.37	0	%100
106	M102	Z	2.373	2.373	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	1.37	1.37	0	%100
110	M104	Z	2.373	2.373	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.312	1.312	0	%100
114	M124	Z	2.273	2.273	0	%100
115	M125	X	1.312	1.312	0	%100
116	M125	Z	2.273	2.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.112	3.112	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.112	3.112	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	4.666	4.666	0	%100
9	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	.882	.882	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.882	.882	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.173	1.173	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.22	1.22	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.173	1.173	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.22	1.22	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	2.841	2.841	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.778	.778	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.778	.778	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.167	1.167	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.882	.882	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	3.528	3.528	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	3.47	3.47	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.173	1.173	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.22	1.22	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	3.47	3.47	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	4.691	4.691	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	4.881	4.881	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	2.841	2.841	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.778	.778	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.778	.778	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	1.167	1.167	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	3.528	3.528	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.882	.882	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	3.47	3.47	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	4.691	4.691	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	4.881	4.881	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M65	X	0	0	0	%100
68	M65	Z	3.47	3.47	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	1.173	1.173	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	1.22	1.22	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	4.014	4.014	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	1.004	1.004	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	1.004	1.004	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.34	3.34	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.34	3.34	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.34	3.34	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.34	3.34	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.34	3.34	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.34	3.34	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	3.34	3.34	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	3.34	3.34	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	3.34	3.34	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.34	3.34	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.34	3.34	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	3.34	3.34	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	3.211	3.211	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	3.654	3.654	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	.913	.913	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	.913	.913	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.875	.875	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.499	3.499	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.875	.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.474	-.474	0	%100
2	M4	Z	.82	.82	0	%100
3	M10	X	-1.167	-1.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
4	M10	Z	2.021	2.021	0	%100
5	M43	X	-1.167	-1.167	0	%100
6	M43	Z	2.021	2.021	0	%100
7	M46	X	-1.75	-1.75	0	%100
8	M46	Z	3.031	3.031	0	%100
9	M51B	X	-1.323	-1.323	0	%100
10	M51B	Z	2.291	2.291	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.578	-.578	0	%100
14	M76	Z	1.002	1.002	0	%100
15	M77	X	-1.759	-1.759	0	%100
16	M77	Z	3.047	3.047	0	%100
17	M80	X	-1.83	-1.83	0	%100
18	M80	Z	3.17	3.17	0	%100
19	M84	X	-.578	-.578	0	%100
20	M84	Z	1.002	1.002	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.474	-.474	0	%100
26	M25	Z	.82	.82	0	%100
27	M26	X	-1.167	-1.167	0	%100
28	M26	Z	2.021	2.021	0	%100
29	M27	X	-1.167	-1.167	0	%100
30	M27	Z	2.021	2.021	0	%100
31	M28	X	-1.75	-1.75	0	%100
32	M28	Z	3.031	3.031	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.323	-1.323	0	%100
36	M32	Z	2.291	2.291	0	%100
37	M36	X	-.578	-.578	0	%100
38	M36	Z	1.002	1.002	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.578	-.578	0	%100
44	M41	Z	1.002	1.002	0	%100
45	M42	X	-1.759	-1.759	0	%100
46	M42	Z	3.047	3.047	0	%100
47	M44	X	-1.83	-1.83	0	%100
48	M44	Z	3.17	3.17	0	%100
49	M49	X	-1.894	-1.894	0	%100
50	M49	Z	3.281	3.281	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-1.323	-1.323	0	%100
58	M55	Z	2.291	2.291	0	%100
59	M56	X	-1.323	-1.323	0	%100
60	M56	Z	2.291	2.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
61	M60	X	-2.313	-2.313	0	%100
62	M60	Z	4.007	4.007	0	%100
63	M61	X	-1.759	-1.759	0	%100
64	M61	Z	3.047	3.047	0	%100
65	M63	X	-1.83	-1.83	0	%100
66	M63	Z	3.17	3.17	0	%100
67	M65	X	-2.313	-2.313	0	%100
68	M65	Z	4.007	4.007	0	%100
69	M66	X	-1.759	-1.759	0	%100
70	M66	Z	3.047	3.047	0	%100
71	M68	X	-1.83	-1.83	0	%100
72	M68	Z	3.17	3.17	0	%100
73	M73	X	-1.505	-1.505	0	%100
74	M73	Z	2.607	2.607	0	%100
75	M74	X	-1.505	-1.505	0	%100
76	M74	Z	2.607	2.607	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-1.67	-1.67	0	%100
80	MP1A	Z	2.892	2.892	0	%100
81	MP2A	X	-1.67	-1.67	0	%100
82	MP2A	Z	2.892	2.892	0	%100
83	MP3A	X	-1.67	-1.67	0	%100
84	MP3A	Z	2.892	2.892	0	%100
85	MP4A	X	-1.67	-1.67	0	%100
86	MP4A	Z	2.892	2.892	0	%100
87	MP1C	X	-1.67	-1.67	0	%100
88	MP1C	Z	2.892	2.892	0	%100
89	MP2C	X	-1.67	-1.67	0	%100
90	MP2C	Z	2.892	2.892	0	%100
91	MP3C	X	-1.67	-1.67	0	%100
92	MP3C	Z	2.892	2.892	0	%100
93	MP4C	X	-1.67	-1.67	0	%100
94	MP4C	Z	2.892	2.892	0	%100
95	MP1B	X	-1.67	-1.67	0	%100
96	MP1B	Z	2.892	2.892	0	%100
97	MP2B	X	-1.67	-1.67	0	%100
98	MP2B	Z	2.892	2.892	0	%100
99	MP3B	X	-1.67	-1.67	0	%100
100	MP3B	Z	2.892	2.892	0	%100
101	MP4B	X	-1.67	-1.67	0	%100
102	MP4B	Z	2.892	2.892	0	%100
103	M101	X	-1.606	-1.606	0	%100
104	M101	Z	2.781	2.781	0	%100
105	M102	X	-1.37	-1.37	0	%100
106	M102	Z	2.373	2.373	0	%100
107	M103	X	-1.37	-1.37	0	%100
108	M103	Z	2.373	2.373	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-1.312	-1.312	0	%100
112	M123	Z	2.273	2.273	0	%100
113	M124	X	-1.312	-1.312	0	%100
114	M124	Z	2.273	2.273	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	M4	X	-2.461	-2.461	0	%100
2	M4	Z	1.421	1.421	0	%100
3	M10	X	-.674	-.674	0	%100
4	M10	Z	.389	.389	0	%100
5	M43	X	-.674	-.674	0	%100
6	M43	Z	.389	.389	0	%100
7	M46	X	-1.01	-1.01	0	%100
8	M46	Z	.583	.583	0	%100
9	M51B	X	-3.055	-3.055	0	%100
10	M51B	Z	1.764	1.764	0	%100
11	M52B	X	-.764	-.764	0	%100
12	M52B	Z	.441	.441	0	%100
13	M76	X	-3.005	-3.005	0	%100
14	M76	Z	1.735	1.735	0	%100
15	M77	X	-4.062	-4.062	0	%100
16	M77	Z	2.345	2.345	0	%100
17	M80	X	-4.227	-4.227	0	%100
18	M80	Z	2.441	2.441	0	%100
19	M84	X	-3.005	-3.005	0	%100
20	M84	Z	1.735	1.735	0	%100
21	M85	X	-1.016	-1.016	0	%100
22	M85	Z	.586	.586	0	%100
23	M91	X	-1.057	-1.057	0	%100
24	M91	Z	.61	.61	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.695	-2.695	0	%100
28	M26	Z	1.556	1.556	0	%100
29	M27	X	-2.695	-2.695	0	%100
30	M27	Z	1.556	1.556	0	%100
31	M28	X	-4.041	-4.041	0	%100
32	M28	Z	2.333	2.333	0	%100
33	M31	X	-.764	-.764	0	%100
34	M31	Z	.441	.441	0	%100
35	M32	X	-.764	-.764	0	%100
36	M32	Z	.441	.441	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.016	-1.016	0	%100
40	M37	Z	.586	.586	0	%100
41	M39	X	-1.057	-1.057	0	%100
42	M39	Z	.61	.61	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.016	-1.016	0	%100
46	M42	Z	.586	.586	0	%100
47	M44	X	-1.057	-1.057	0	%100
48	M44	Z	.61	.61	0	%100
49	M49	X	-2.461	-2.461	0	%100
50	M49	Z	1.421	1.421	0	%100
51	M50A	X	-.674	-.674	0	%100
52	M50A	Z	.389	.389	0	%100
53	M51C	X	-.674	-.674	0	%100
54	M51C	Z	.389	.389	0	%100
55	M52A	X	-1.01	-1.01	0	%100
56	M52A	Z	.583	.583	0	%100
57	M55	X	-.764	-.764	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	.441	.441	0	%100
59	M56	X	-3.055	-3.055	0	%100
60	M56	Z	1.764	1.764	0	%100
61	M60	X	-3.005	-3.005	0	%100
62	M60	Z	1.735	1.735	0	%100
63	M61	X	-1.016	-1.016	0	%100
64	M61	Z	.586	.586	0	%100
65	M63	X	-1.057	-1.057	0	%100
66	M63	Z	.61	.61	0	%100
67	M65	X	-3.005	-3.005	0	%100
68	M65	Z	1.735	1.735	0	%100
69	M66	X	-4.062	-4.062	0	%100
70	M66	Z	2.345	2.345	0	%100
71	M68	X	-4.227	-4.227	0	%100
72	M68	Z	2.441	2.441	0	%100
73	M73	X	-.869	-.869	0	%100
74	M73	Z	.502	.502	0	%100
75	M74	X	-3.477	-3.477	0	%100
76	M74	Z	2.007	2.007	0	%100
77	M75	X	-.869	-.869	0	%100
78	M75	Z	.502	.502	0	%100
79	MP1A	X	-2.892	-2.892	0	%100
80	MP1A	Z	1.67	1.67	0	%100
81	MP2A	X	-2.892	-2.892	0	%100
82	MP2A	Z	1.67	1.67	0	%100
83	MP3A	X	-2.892	-2.892	0	%100
84	MP3A	Z	1.67	1.67	0	%100
85	MP4A	X	-2.892	-2.892	0	%100
86	MP4A	Z	1.67	1.67	0	%100
87	MP1C	X	-2.892	-2.892	0	%100
88	MP1C	Z	1.67	1.67	0	%100
89	MP2C	X	-2.892	-2.892	0	%100
90	MP2C	Z	1.67	1.67	0	%100
91	MP3C	X	-2.892	-2.892	0	%100
92	MP3C	Z	1.67	1.67	0	%100
93	MP4C	X	-2.892	-2.892	0	%100
94	MP4C	Z	1.67	1.67	0	%100
95	MP1B	X	-2.892	-2.892	0	%100
96	MP1B	Z	1.67	1.67	0	%100
97	MP2B	X	-2.892	-2.892	0	%100
98	MP2B	Z	1.67	1.67	0	%100
99	MP3B	X	-2.892	-2.892	0	%100
100	MP3B	Z	1.67	1.67	0	%100
101	MP4B	X	-2.892	-2.892	0	%100
102	MP4B	Z	1.67	1.67	0	%100
103	M101	X	-2.781	-2.781	0	%100
104	M101	Z	1.606	1.606	0	%100
105	M102	X	-.791	-.791	0	%100
106	M102	Z	.457	.457	0	%100
107	M103	X	-3.164	-3.164	0	%100
108	M103	Z	1.827	1.827	0	%100
109	M104	X	-.791	-.791	0	%100
110	M104	Z	.457	.457	0	%100
111	M123	X	-3.03	-3.03	0	%100
112	M123	Z	1.749	1.749	0	%100
113	M124	X	-.758	-.758	0	%100
114	M124	Z	.437	.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	-7.758	-7.758	0	%100
116	M125	Z	.437	.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-3.788	-3.788	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.646	-2.646	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.646	-2.646	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-4.626	-4.626	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.518	-3.518	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-3.661	-3.661	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-4.626	-4.626	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-3.518	-3.518	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-3.661	-3.661	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.947	-.947	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.334	-2.334	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.334	-2.334	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-3.5	-3.5	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-2.646	-2.646	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.157	-1.157	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-3.518	-3.518	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-3.661	-3.661	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.157	-1.157	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.947	-.947	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.334	-2.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.334	-2.334	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-3.5	-3.5	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-2.646	-2.646	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.157	-1.157	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-1.157	-1.157	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-3.518	-3.518	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-3.661	-3.661	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.011	-3.011	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.011	-3.011	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.34	-3.34	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.34	-3.34	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.34	-3.34	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.34	-3.34	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-3.34	-3.34	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-3.34	-3.34	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-3.34	-3.34	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-3.34	-3.34	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-3.34	-3.34	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-3.34	-3.34	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.34	-3.34	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.34	-3.34	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	-3.211	-3.211	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	-2.74	-2.74	0	%100
108	M103	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M104	X	-2.74	-2.74	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-2.624	-2.624	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	-2.624	-2.624	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	M4	X	-2.461	-2.461	0	%100
2	M4	Z	-1.421	-1.421	0	%100
3	M10	X	-.674	-.674	0	%100
4	M10	Z	-.389	-.389	0	%100
5	M43	X	-.674	-.674	0	%100
6	M43	Z	-.389	-.389	0	%100
7	M46	X	-1.01	-1.01	0	%100
8	M46	Z	-.583	-.583	0	%100
9	M51B	X	-.764	-.764	0	%100
10	M51B	Z	-.441	-.441	0	%100
11	M52B	X	-3.055	-3.055	0	%100
12	M52B	Z	-1.764	-1.764	0	%100
13	M76	X	-3.005	-3.005	0	%100
14	M76	Z	-1.735	-1.735	0	%100
15	M77	X	-1.016	-1.016	0	%100
16	M77	Z	-.586	-.586	0	%100
17	M80	X	-1.057	-1.057	0	%100
18	M80	Z	-.61	-.61	0	%100
19	M84	X	-3.005	-3.005	0	%100
20	M84	Z	-1.735	-1.735	0	%100
21	M85	X	-4.062	-4.062	0	%100
22	M85	Z	-2.345	-2.345	0	%100
23	M91	X	-4.227	-4.227	0	%100
24	M91	Z	-2.441	-2.441	0	%100
25	M25	X	-2.461	-2.461	0	%100
26	M25	Z	-1.421	-1.421	0	%100
27	M26	X	-.674	-.674	0	%100
28	M26	Z	-.389	-.389	0	%100
29	M27	X	-.674	-.674	0	%100
30	M27	Z	-.389	-.389	0	%100
31	M28	X	-1.01	-1.01	0	%100
32	M28	Z	-.583	-.583	0	%100
33	M31	X	-3.055	-3.055	0	%100
34	M31	Z	-1.764	-1.764	0	%100
35	M32	X	-.764	-.764	0	%100
36	M32	Z	-.441	-.441	0	%100
37	M36	X	-3.005	-3.005	0	%100
38	M36	Z	-1.735	-1.735	0	%100
39	M37	X	-4.062	-4.062	0	%100
40	M37	Z	-2.345	-2.345	0	%100
41	M39	X	-4.227	-4.227	0	%100
42	M39	Z	-2.441	-2.441	0	%100
43	M41	X	-3.005	-3.005	0	%100
44	M41	Z	-1.735	-1.735	0	%100
45	M42	X	-1.016	-1.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[ft.%]	End Location[ft.%]
46	M42	Z	-586	-586	0	%100
47	M44	X	-1.057	-1.057	0	%100
48	M44	Z	-61	-61	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.695	-2.695	0	%100
52	M50A	Z	-1.556	-1.556	0	%100
53	M51C	X	-2.695	-2.695	0	%100
54	M51C	Z	-1.556	-1.556	0	%100
55	M52A	X	-4.041	-4.041	0	%100
56	M52A	Z	-2.333	-2.333	0	%100
57	M55	X	-764	-764	0	%100
58	M55	Z	-441	-441	0	%100
59	M56	X	-764	-764	0	%100
60	M56	Z	-441	-441	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.016	-1.016	0	%100
64	M61	Z	-586	-586	0	%100
65	M63	X	-1.057	-1.057	0	%100
66	M63	Z	-61	-61	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.016	-1.016	0	%100
70	M66	Z	-586	-586	0	%100
71	M68	X	-1.057	-1.057	0	%100
72	M68	Z	-61	-61	0	%100
73	M73	X	-869	-869	0	%100
74	M73	Z	-502	-502	0	%100
75	M74	X	-869	-869	0	%100
76	M74	Z	-502	-502	0	%100
77	M75	X	-3.477	-3.477	0	%100
78	M75	Z	-2.007	-2.007	0	%100
79	MP1A	X	-2.892	-2.892	0	%100
80	MP1A	Z	-1.67	-1.67	0	%100
81	MP2A	X	-2.892	-2.892	0	%100
82	MP2A	Z	-1.67	-1.67	0	%100
83	MP3A	X	-2.892	-2.892	0	%100
84	MP3A	Z	-1.67	-1.67	0	%100
85	MP4A	X	-2.892	-2.892	0	%100
86	MP4A	Z	-1.67	-1.67	0	%100
87	MP1C	X	-2.892	-2.892	0	%100
88	MP1C	Z	-1.67	-1.67	0	%100
89	MP2C	X	-2.892	-2.892	0	%100
90	MP2C	Z	-1.67	-1.67	0	%100
91	MP3C	X	-2.892	-2.892	0	%100
92	MP3C	Z	-1.67	-1.67	0	%100
93	MP4C	X	-2.892	-2.892	0	%100
94	MP4C	Z	-1.67	-1.67	0	%100
95	MP1B	X	-2.892	-2.892	0	%100
96	MP1B	Z	-1.67	-1.67	0	%100
97	MP2B	X	-2.892	-2.892	0	%100
98	MP2B	Z	-1.67	-1.67	0	%100
99	MP3B	X	-2.892	-2.892	0	%100
100	MP3B	Z	-1.67	-1.67	0	%100
101	MP4B	X	-2.892	-2.892	0	%100
102	MP4B	Z	-1.67	-1.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	-2.781	-2.781	0	%100
104	M101	Z	-1.606	-1.606	0	%100
105	M102	X	-.791	-.791	0	%100
106	M102	Z	-.457	-.457	0	%100
107	M103	X	-.791	-.791	0	%100
108	M103	Z	-.457	-.457	0	%100
109	M104	X	-3.164	-3.164	0	%100
110	M104	Z	-1.827	-1.827	0	%100
111	M123	X	-.758	-.758	0	%100
112	M123	Z	-.437	-.437	0	%100
113	M124	X	-.758	-.758	0	%100
114	M124	Z	-.437	-.437	0	%100
115	M125	X	-3.03	-3.03	0	%100
116	M125	Z	-1.749	-1.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.474	-.474	0	%100
2	M4	Z	-.82	-.82	0	%100
3	M10	X	-1.167	-1.167	0	%100
4	M10	Z	-2.021	-2.021	0	%100
5	M43	X	-1.167	-1.167	0	%100
6	M43	Z	-2.021	-2.021	0	%100
7	M46	X	-1.75	-1.75	0	%100
8	M46	Z	-3.031	-3.031	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.323	-1.323	0	%100
12	M52B	Z	-2.291	-2.291	0	%100
13	M76	X	-.578	-.578	0	%100
14	M76	Z	-1.002	-1.002	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.578	-.578	0	%100
20	M84	Z	-1.002	-1.002	0	%100
21	M85	X	-1.759	-1.759	0	%100
22	M85	Z	-3.047	-3.047	0	%100
23	M91	X	-1.83	-1.83	0	%100
24	M91	Z	-3.17	-3.17	0	%100
25	M25	X	-1.894	-1.894	0	%100
26	M25	Z	-3.281	-3.281	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.323	-1.323	0	%100
34	M31	Z	-2.291	-2.291	0	%100
35	M32	X	-1.323	-1.323	0	%100
36	M32	Z	-2.291	-2.291	0	%100
37	M36	X	-2.313	-2.313	0	%100
38	M36	Z	-4.007	-4.007	0	%100
39	M37	X	-1.759	-1.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	-3.047	-3.047	0	%100
41	M39	X	-1.83	-1.83	0	%100
42	M39	Z	-3.17	-3.17	0	%100
43	M41	X	-2.313	-2.313	0	%100
44	M41	Z	-4.007	-4.007	0	%100
45	M42	X	-1.759	-1.759	0	%100
46	M42	Z	-3.047	-3.047	0	%100
47	M44	X	-1.83	-1.83	0	%100
48	M44	Z	-3.17	-3.17	0	%100
49	M49	X	-.474	-.474	0	%100
50	M49	Z	-.82	-.82	0	%100
51	M50A	X	-1.167	-1.167	0	%100
52	M50A	Z	-2.021	-2.021	0	%100
53	M51C	X	-1.167	-1.167	0	%100
54	M51C	Z	-2.021	-2.021	0	%100
55	M52A	X	-1.75	-1.75	0	%100
56	M52A	Z	-3.031	-3.031	0	%100
57	M55	X	-1.323	-1.323	0	%100
58	M55	Z	-2.291	-2.291	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.578	-.578	0	%100
62	M60	Z	-1.002	-1.002	0	%100
63	M61	X	-1.759	-1.759	0	%100
64	M61	Z	-3.047	-3.047	0	%100
65	M63	X	-1.83	-1.83	0	%100
66	M63	Z	-3.17	-3.17	0	%100
67	M65	X	-.578	-.578	0	%100
68	M65	Z	-1.002	-1.002	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-1.505	-1.505	0	%100
74	M73	Z	-2.607	-2.607	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.505	-1.505	0	%100
78	M75	Z	-2.607	-2.607	0	%100
79	MP1A	X	-1.67	-1.67	0	%100
80	MP1A	Z	-2.892	-2.892	0	%100
81	MP2A	X	-1.67	-1.67	0	%100
82	MP2A	Z	-2.892	-2.892	0	%100
83	MP3A	X	-1.67	-1.67	0	%100
84	MP3A	Z	-2.892	-2.892	0	%100
85	MP4A	X	-1.67	-1.67	0	%100
86	MP4A	Z	-2.892	-2.892	0	%100
87	MP1C	X	-1.67	-1.67	0	%100
88	MP1C	Z	-2.892	-2.892	0	%100
89	MP2C	X	-1.67	-1.67	0	%100
90	MP2C	Z	-2.892	-2.892	0	%100
91	MP3C	X	-1.67	-1.67	0	%100
92	MP3C	Z	-2.892	-2.892	0	%100
93	MP4C	X	-1.67	-1.67	0	%100
94	MP4C	Z	-2.892	-2.892	0	%100
95	MP1B	X	-1.67	-1.67	0	%100
96	MP1B	Z	-2.892	-2.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
97	MP2B	X	-1.67	-1.67	0	%100
98	MP2B	Z	-2.892	-2.892	0	%100
99	MP3B	X	-1.67	-1.67	0	%100
100	MP3B	Z	-2.892	-2.892	0	%100
101	MP4B	X	-1.67	-1.67	0	%100
102	MP4B	Z	-2.892	-2.892	0	%100
103	M101	X	-1.606	-1.606	0	%100
104	M101	Z	-2.781	-2.781	0	%100
105	M102	X	-1.37	-1.37	0	%100
106	M102	Z	-2.373	-2.373	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	-1.37	-1.37	0	%100
110	M104	Z	-2.373	-2.373	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.312	-1.312	0	%100
114	M124	Z	-2.273	-2.273	0	%100
115	M125	X	-1.312	-1.312	0	%100
116	M125	Z	-2.273	-2.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.625	-.625	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.625	-.625	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.247	-1.247	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.173	-.173	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.173	-.173	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.317	-.317	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.334	-.334	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.317	-.317	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.334	-.334	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.554	-.554	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.156	-.156	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.156	-.156	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.312	-.312	0	%100
33	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
34	M31	Z	- .173	- .173	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	- .692	- .692	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	- .935	- .935	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	- .317	- .317	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	- .334	- .334	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	- .935	- .935	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	- 1.27	- 1.27	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	- 1.337	- 1.337	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	- .554	- .554	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	- .156	- .156	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	- .156	- .156	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	- .312	- .312	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	- .692	- .692	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	- .173	- .173	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	- .935	- .935	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	- 1.27	- 1.27	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	- 1.337	- 1.337	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	- .935	- .935	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	- .317	- .317	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	- .334	- .334	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	- .727	- .727	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	- .182	- .182	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	- .182	- .182	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	- .493	- .493	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	- .493	- .493	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	- .493	- .493	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	- .493	- .493	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	- .493	- .493	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	- .493	- .493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.493	-.493	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-.493	-.493	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.493	-.493	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.493	-.493	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.493	-.493	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.493	-.493	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-.493	-.493	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.597	-.597	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	-.149	-.149	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	-.149	-.149	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.192	-.192	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.767	-.767	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.192	-.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.092	.092	0	%100
2	M4	Z	-.16	-.16	0	%100
3	M10	X	.234	.234	0	%100
4	M10	Z	-.406	-.406	0	%100
5	M43	X	.234	.234	0	%100
6	M43	Z	-.406	-.406	0	%100
7	M46	X	.468	.468	0	%100
8	M46	Z	-.81	-.81	0	%100
9	M51B	X	.26	.26	0	%100
10	M51B	Z	-.45	-.45	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.156	.156	0	%100
14	M76	Z	-.27	-.27	0	%100
15	M77	X	.476	.476	0	%100
16	M77	Z	-.825	-.825	0	%100
17	M80	X	.502	.502	0	%100
18	M80	Z	-.869	-.869	0	%100
19	M84	X	.156	.156	0	%100
20	M84	Z	-.27	-.27	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.092	.092	0	%100
26	M25	Z	-.16	-.16	0	%100
27	M26	X	.234	.234	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
28	M26	Z	-.406	-.406	0	%100
29	M27	X	.234	.234	0	%100
30	M27	Z	-.406	-.406	0	%100
31	M28	X	.468	.468	0	%100
32	M28	Z	-.81	-.81	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.26	.26	0	%100
36	M32	Z	-.45	-.45	0	%100
37	M36	X	.156	.156	0	%100
38	M36	Z	-.27	-.27	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.156	.156	0	%100
44	M41	Z	-.27	-.27	0	%100
45	M42	X	.476	.476	0	%100
46	M42	Z	-.825	-.825	0	%100
47	M44	X	.502	.502	0	%100
48	M44	Z	-.869	-.869	0	%100
49	M49	X	.369	.369	0	%100
50	M49	Z	-.64	-.64	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.26	.26	0	%100
58	M55	Z	-.45	-.45	0	%100
59	M56	X	.26	.26	0	%100
60	M56	Z	-.45	-.45	0	%100
61	M60	X	.623	.623	0	%100
62	M60	Z	-1.08	-1.08	0	%100
63	M61	X	.476	.476	0	%100
64	M61	Z	-.825	-.825	0	%100
65	M63	X	.502	.502	0	%100
66	M63	Z	-.869	-.869	0	%100
67	M65	X	.623	.623	0	%100
68	M65	Z	-1.08	-1.08	0	%100
69	M66	X	.476	.476	0	%100
70	M66	Z	-.825	-.825	0	%100
71	M68	X	.502	.502	0	%100
72	M68	Z	-.869	-.869	0	%100
73	M73	X	.273	.273	0	%100
74	M73	Z	-.472	-.472	0	%100
75	M74	X	.273	.273	0	%100
76	M74	Z	-.472	-.472	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.247	.247	0	%100
80	MP1A	Z	-.427	-.427	0	%100
81	MP2A	X	.247	.247	0	%100
82	MP2A	Z	-.427	-.427	0	%100
83	MP3A	X	.247	.247	0	%100
84	MP3A	Z	-.427	-.427	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP4A	X	.247	.247	0	%100
86	MP4A	Z	-.427	-.427	0	%100
87	MP1C	X	.247	.247	0	%100
88	MP1C	Z	-.427	-.427	0	%100
89	MP2C	X	.247	.247	0	%100
90	MP2C	Z	-.427	-.427	0	%100
91	MP3C	X	.247	.247	0	%100
92	MP3C	Z	-.427	-.427	0	%100
93	MP4C	X	.247	.247	0	%100
94	MP4C	Z	-.427	-.427	0	%100
95	MP1B	X	.247	.247	0	%100
96	MP1B	Z	-.427	-.427	0	%100
97	MP2B	X	.247	.247	0	%100
98	MP2B	Z	-.427	-.427	0	%100
99	MP3B	X	.247	.247	0	%100
100	MP3B	Z	-.427	-.427	0	%100
101	MP4B	X	.247	.247	0	%100
102	MP4B	Z	-.427	-.427	0	%100
103	M101	X	.247	.247	0	%100
104	M101	Z	-.427	-.427	0	%100
105	M102	X	.224	.224	0	%100
106	M102	Z	-.388	-.388	0	%100
107	M103	X	.224	.224	0	%100
108	M103	Z	-.388	-.388	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	.288	.288	0	%100
112	M123	Z	-.498	-.498	0	%100
113	M124	X	.288	.288	0	%100
114	M124	Z	-.498	-.498	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	M4	X	.48	.48	0	%100
2	M4	Z	-.277	-.277	0	%100
3	M10	X	.135	.135	0	%100
4	M10	Z	-.078	-.078	0	%100
5	M43	X	.135	.135	0	%100
6	M43	Z	-.078	-.078	0	%100
7	M46	X	.27	.27	0	%100
8	M46	Z	-.156	-.156	0	%100
9	M51B	X	.6	.6	0	%100
10	M51B	Z	-.346	-.346	0	%100
11	M52B	X	.15	.15	0	%100
12	M52B	Z	-.087	-.087	0	%100
13	M76	X	.81	.81	0	%100
14	M76	Z	-.468	-.468	0	%100
15	M77	X	1.1	1.1	0	%100
16	M77	Z	-.635	-.635	0	%100
17	M80	X	1.158	1.158	0	%100
18	M80	Z	-.669	-.669	0	%100
19	M84	X	.81	.81	0	%100
20	M84	Z	-.468	-.468	0	%100
21	M85	X	.275	.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	-.159	-.159	0	%100
23	M91	X	.29	.29	0	%100
24	M91	Z	-.167	-.167	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.541	.541	0	%100
28	M26	Z	-.313	-.313	0	%100
29	M27	X	.541	.541	0	%100
30	M27	Z	-.313	-.313	0	%100
31	M28	X	1.08	1.08	0	%100
32	M28	Z	-.623	-.623	0	%100
33	M31	X	.15	.15	0	%100
34	M31	Z	-.087	-.087	0	%100
35	M32	X	.15	.15	0	%100
36	M32	Z	-.087	-.087	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.275	.275	0	%100
40	M37	Z	-.159	-.159	0	%100
41	M39	X	.29	.29	0	%100
42	M39	Z	-.167	-.167	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.275	.275	0	%100
46	M42	Z	-.159	-.159	0	%100
47	M44	X	.29	.29	0	%100
48	M44	Z	-.167	-.167	0	%100
49	M49	X	.48	.48	0	%100
50	M49	Z	-.277	-.277	0	%100
51	M50A	X	.135	.135	0	%100
52	M50A	Z	-.078	-.078	0	%100
53	M51C	X	.135	.135	0	%100
54	M51C	Z	-.078	-.078	0	%100
55	M52A	X	.27	.27	0	%100
56	M52A	Z	-.156	-.156	0	%100
57	M55	X	.15	.15	0	%100
58	M55	Z	-.087	-.087	0	%100
59	M56	X	.6	.6	0	%100
60	M56	Z	-.346	-.346	0	%100
61	M60	X	.81	.81	0	%100
62	M60	Z	-.468	-.468	0	%100
63	M61	X	.275	.275	0	%100
64	M61	Z	-.159	-.159	0	%100
65	M63	X	.29	.29	0	%100
66	M63	Z	-.167	-.167	0	%100
67	M65	X	.81	.81	0	%100
68	M65	Z	-.468	-.468	0	%100
69	M66	X	1.1	1.1	0	%100
70	M66	Z	-.635	-.635	0	%100
71	M68	X	1.158	1.158	0	%100
72	M68	Z	-.669	-.669	0	%100
73	M73	X	.157	.157	0	%100
74	M73	Z	-.091	-.091	0	%100
75	M74	X	.63	.63	0	%100
76	M74	Z	-.364	-.364	0	%100
77	M75	X	.157	.157	0	%100
78	M75	Z	-.091	-.091	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP1A	X	.427	.427	0	%100
80	MP1A	Z	-.247	-.247	0	%100
81	MP2A	X	.427	.427	0	%100
82	MP2A	Z	-.247	-.247	0	%100
83	MP3A	X	.427	.427	0	%100
84	MP3A	Z	-.247	-.247	0	%100
85	MP4A	X	.427	.427	0	%100
86	MP4A	Z	-.247	-.247	0	%100
87	MP1C	X	.427	.427	0	%100
88	MP1C	Z	-.247	-.247	0	%100
89	MP2C	X	.427	.427	0	%100
90	MP2C	Z	-.247	-.247	0	%100
91	MP3C	X	.427	.427	0	%100
92	MP3C	Z	-.247	-.247	0	%100
93	MP4C	X	.427	.427	0	%100
94	MP4C	Z	-.247	-.247	0	%100
95	MP1B	X	.427	.427	0	%100
96	MP1B	Z	-.247	-.247	0	%100
97	MP2B	X	.427	.427	0	%100
98	MP2B	Z	-.247	-.247	0	%100
99	MP3B	X	.427	.427	0	%100
100	MP3B	Z	-.247	-.247	0	%100
101	MP4B	X	.427	.427	0	%100
102	MP4B	Z	-.247	-.247	0	%100
103	M101	X	.427	.427	0	%100
104	M101	Z	-.247	-.247	0	%100
105	M102	X	.129	.129	0	%100
106	M102	Z	-.075	-.075	0	%100
107	M103	X	.517	.517	0	%100
108	M103	Z	-.299	-.299	0	%100
109	M104	X	.129	.129	0	%100
110	M104	Z	-.075	-.075	0	%100
111	M123	X	.664	.664	0	%100
112	M123	Z	-.383	-.383	0	%100
113	M124	X	.166	.166	0	%100
114	M124	Z	-.096	-.096	0	%100
115	M125	X	.166	.166	0	%100
116	M125	Z	-.096	-.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.739	.739	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.519	.519	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.519	.519	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.247	1.247	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	.952	.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
16	M77	Z	0	0	0	%100
17	M80	X	1.003	1.003	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.247	1.247	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	.952	.952	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.003	1.003	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.185	.185	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.469	.469	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.469	.469	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.935	.935	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.519	.519	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.312	.312	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.952	.952	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.003	1.003	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.312	.312	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.185	.185	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.469	.469	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.469	.469	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	.935	.935	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.519	.519	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.312	.312	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.312	.312	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.952	.952	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	1.003	1.003	0	%100
72	M68	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.545	.545	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.545	.545	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.493	.493	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.493	.493	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.493	.493	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.493	.493	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	.493	.493	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	.493	.493	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	.493	.493	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	.493	.493	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	.493	.493	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.493	.493	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.493	.493	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.493	.493	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	.493	.493	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	.448	.448	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	.448	.448	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	.575	.575	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	.575	.575	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	M4	X	.48	.48	0	%100
2	M4	Z	.277	.277	0	%100
3	M10	X	.135	.135	0	%100
4	M10	Z	.078	.078	0	%100
5	M43	X	.135	.135	0	%100
6	M43	Z	.078	.078	0	%100
7	M46	X	.27	.27	0	%100
8	M46	Z	.156	.156	0	%100
9	M51B	X	.15	.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	.087	.087	0	%100
11	M52B	X	.6	.6	0	%100
12	M52B	Z	.346	.346	0	%100
13	M76	X	.81	.81	0	%100
14	M76	Z	.468	.468	0	%100
15	M77	X	.275	.275	0	%100
16	M77	Z	.159	.159	0	%100
17	M80	X	.29	.29	0	%100
18	M80	Z	.167	.167	0	%100
19	M84	X	.81	.81	0	%100
20	M84	Z	.468	.468	0	%100
21	M85	X	1.1	1.1	0	%100
22	M85	Z	.635	.635	0	%100
23	M91	X	1.158	1.158	0	%100
24	M91	Z	.669	.669	0	%100
25	M25	X	.48	.48	0	%100
26	M25	Z	.277	.277	0	%100
27	M26	X	.135	.135	0	%100
28	M26	Z	.078	.078	0	%100
29	M27	X	.135	.135	0	%100
30	M27	Z	.078	.078	0	%100
31	M28	X	.27	.27	0	%100
32	M28	Z	.156	.156	0	%100
33	M31	X	.6	.6	0	%100
34	M31	Z	.346	.346	0	%100
35	M32	X	.15	.15	0	%100
36	M32	Z	.087	.087	0	%100
37	M36	X	.81	.81	0	%100
38	M36	Z	.468	.468	0	%100
39	M37	X	1.1	1.1	0	%100
40	M37	Z	.635	.635	0	%100
41	M39	X	1.158	1.158	0	%100
42	M39	Z	.669	.669	0	%100
43	M41	X	.81	.81	0	%100
44	M41	Z	.468	.468	0	%100
45	M42	X	.275	.275	0	%100
46	M42	Z	.159	.159	0	%100
47	M44	X	.29	.29	0	%100
48	M44	Z	.167	.167	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.541	.541	0	%100
52	M50A	Z	.313	.313	0	%100
53	M51C	X	.541	.541	0	%100
54	M51C	Z	.313	.313	0	%100
55	M52A	X	1.08	1.08	0	%100
56	M52A	Z	.623	.623	0	%100
57	M55	X	.15	.15	0	%100
58	M55	Z	.087	.087	0	%100
59	M56	X	.15	.15	0	%100
60	M56	Z	.087	.087	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.275	.275	0	%100
64	M61	Z	.159	.159	0	%100
65	M63	X	.29	.29	0	%100
66	M63	Z	.167	.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.275	.275	0	%100
70	M66	Z	.159	.159	0	%100
71	M68	X	.29	.29	0	%100
72	M68	Z	.167	.167	0	%100
73	M73	X	.157	.157	0	%100
74	M73	Z	.091	.091	0	%100
75	M74	X	.157	.157	0	%100
76	M74	Z	.091	.091	0	%100
77	M75	X	.63	.63	0	%100
78	M75	Z	.364	.364	0	%100
79	MP1A	X	.427	.427	0	%100
80	MP1A	Z	.247	.247	0	%100
81	MP2A	X	.427	.427	0	%100
82	MP2A	Z	.247	.247	0	%100
83	MP3A	X	.427	.427	0	%100
84	MP3A	Z	.247	.247	0	%100
85	MP4A	X	.427	.427	0	%100
86	MP4A	Z	.247	.247	0	%100
87	MP1C	X	.427	.427	0	%100
88	MP1C	Z	.247	.247	0	%100
89	MP2C	X	.427	.427	0	%100
90	MP2C	Z	.247	.247	0	%100
91	MP3C	X	.427	.427	0	%100
92	MP3C	Z	.247	.247	0	%100
93	MP4C	X	.427	.427	0	%100
94	MP4C	Z	.247	.247	0	%100
95	MP1B	X	.427	.427	0	%100
96	MP1B	Z	.247	.247	0	%100
97	MP2B	X	.427	.427	0	%100
98	MP2B	Z	.247	.247	0	%100
99	MP3B	X	.427	.427	0	%100
100	MP3B	Z	.247	.247	0	%100
101	MP4B	X	.427	.427	0	%100
102	MP4B	Z	.247	.247	0	%100
103	M101	X	.427	.427	0	%100
104	M101	Z	.247	.247	0	%100
105	M102	X	.129	.129	0	%100
106	M102	Z	.075	.075	0	%100
107	M103	X	.129	.129	0	%100
108	M103	Z	.075	.075	0	%100
109	M104	X	.517	.517	0	%100
110	M104	Z	.299	.299	0	%100
111	M123	X	.166	.166	0	%100
112	M123	Z	.096	.096	0	%100
113	M124	X	.166	.166	0	%100
114	M124	Z	.096	.096	0	%100
115	M125	X	.664	.664	0	%100
116	M125	Z	.383	.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	.092	.092	0	%100
2	M4	Z	.16	.16	0	%100
3	M10	X	.234	.234	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft. %]	End Location[ft. %]
4	M10	Z	.406	.406	0	%100
5	M43	X	.234	.234	0	%100
6	M43	Z	.406	.406	0	%100
7	M46	X	.468	.468	0	%100
8	M46	Z	.81	.81	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.26	.26	0	%100
12	M52B	Z	.45	.45	0	%100
13	M76	X	.156	.156	0	%100
14	M76	Z	.27	.27	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.156	.156	0	%100
20	M84	Z	.27	.27	0	%100
21	M85	X	.476	.476	0	%100
22	M85	Z	.825	.825	0	%100
23	M91	X	.502	.502	0	%100
24	M91	Z	.869	.869	0	%100
25	M25	X	.369	.369	0	%100
26	M25	Z	.64	.64	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.26	.26	0	%100
34	M31	Z	.45	.45	0	%100
35	M32	X	.26	.26	0	%100
36	M32	Z	.45	.45	0	%100
37	M36	X	.623	.623	0	%100
38	M36	Z	1.08	1.08	0	%100
39	M37	X	.476	.476	0	%100
40	M37	Z	.825	.825	0	%100
41	M39	X	.502	.502	0	%100
42	M39	Z	.869	.869	0	%100
43	M41	X	.623	.623	0	%100
44	M41	Z	1.08	1.08	0	%100
45	M42	X	.476	.476	0	%100
46	M42	Z	.825	.825	0	%100
47	M44	X	.502	.502	0	%100
48	M44	Z	.869	.869	0	%100
49	M49	X	.092	.092	0	%100
50	M49	Z	.16	.16	0	%100
51	M50A	X	.234	.234	0	%100
52	M50A	Z	.406	.406	0	%100
53	M51C	X	.234	.234	0	%100
54	M51C	Z	.406	.406	0	%100
55	M52A	X	.468	.468	0	%100
56	M52A	Z	.81	.81	0	%100
57	M55	X	.26	.26	0	%100
58	M55	Z	.45	.45	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
61	M60	X	.156	.156	0	%100
62	M60	Z	.27	.27	0	%100
63	M61	X	.476	.476	0	%100
64	M61	Z	.825	.825	0	%100
65	M63	X	.502	.502	0	%100
66	M63	Z	.869	.869	0	%100
67	M65	X	.156	.156	0	%100
68	M65	Z	.27	.27	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	.273	.273	0	%100
74	M73	Z	.472	.472	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.273	.273	0	%100
78	M75	Z	.472	.472	0	%100
79	MP1A	X	.247	.247	0	%100
80	MP1A	Z	.427	.427	0	%100
81	MP2A	X	.247	.247	0	%100
82	MP2A	Z	.427	.427	0	%100
83	MP3A	X	.247	.247	0	%100
84	MP3A	Z	.427	.427	0	%100
85	MP4A	X	.247	.247	0	%100
86	MP4A	Z	.427	.427	0	%100
87	MP1C	X	.247	.247	0	%100
88	MP1C	Z	.427	.427	0	%100
89	MP2C	X	.247	.247	0	%100
90	MP2C	Z	.427	.427	0	%100
91	MP3C	X	.247	.247	0	%100
92	MP3C	Z	.427	.427	0	%100
93	MP4C	X	.247	.247	0	%100
94	MP4C	Z	.427	.427	0	%100
95	MP1B	X	.247	.247	0	%100
96	MP1B	Z	.427	.427	0	%100
97	MP2B	X	.247	.247	0	%100
98	MP2B	Z	.427	.427	0	%100
99	MP3B	X	.247	.247	0	%100
100	MP3B	Z	.427	.427	0	%100
101	MP4B	X	.247	.247	0	%100
102	MP4B	Z	.427	.427	0	%100
103	M101	X	.247	.247	0	%100
104	M101	Z	.427	.427	0	%100
105	M102	X	.224	.224	0	%100
106	M102	Z	.388	.388	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	.224	.224	0	%100
110	M104	Z	.388	.388	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.288	.288	0	%100
114	M124	Z	.498	.498	0	%100
115	M125	X	.288	.288	0	%100
116	M125	Z	.498	.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.625	.625	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.625	.625	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.247	1.247	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.173	.173	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.173	.173	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.317	.317	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.334	.334	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.317	.317	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.334	.334	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.554	.554	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.156	.156	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.156	.156	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.312	.312	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.173	.173	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.692	.692	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	.935	.935	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.317	.317	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.334	.334	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	.935	.935	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.27	1.27	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.337	1.337	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.554	.554	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.156	.156	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.156	.156	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.312	.312	0	%100
57	M55	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
58	M55	Z	.692	.692	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.173	.173	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.935	.935	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.27	1.27	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.337	1.337	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	.935	.935	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.317	.317	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.334	.334	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.727	.727	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.182	.182	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.182	.182	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.493	.493	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.493	.493	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.493	.493	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.493	.493	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.493	.493	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.493	.493	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.493	.493	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	.493	.493	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	.493	.493	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.493	.493	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.493	.493	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.493	.493	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	.493	.493	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.597	.597	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	.149	.149	0	%100
109	M104	X	0	0	0	%100
110	M104	Z	.149	.149	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.192	.192	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.767	.767	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	0	0	0	%100
116	M125	Z	.192	.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.092	-.092	0	%100
2	M4	Z	.16	.16	0	%100
3	M10	X	-.234	-.234	0	%100
4	M10	Z	.406	.406	0	%100
5	M43	X	-.234	-.234	0	%100
6	M43	Z	.406	.406	0	%100
7	M46	X	-.468	-.468	0	%100
8	M46	Z	.81	.81	0	%100
9	M51B	X	-.26	-.26	0	%100
10	M51B	Z	.45	.45	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.156	-.156	0	%100
14	M76	Z	.27	.27	0	%100
15	M77	X	-.476	-.476	0	%100
16	M77	Z	.825	.825	0	%100
17	M80	X	-.502	-.502	0	%100
18	M80	Z	.869	.869	0	%100
19	M84	X	-.156	-.156	0	%100
20	M84	Z	.27	.27	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.092	-.092	0	%100
26	M25	Z	.16	.16	0	%100
27	M26	X	-.234	-.234	0	%100
28	M26	Z	.406	.406	0	%100
29	M27	X	-.234	-.234	0	%100
30	M27	Z	.406	.406	0	%100
31	M28	X	-.468	-.468	0	%100
32	M28	Z	.81	.81	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.26	-.26	0	%100
36	M32	Z	.45	.45	0	%100
37	M36	X	-.156	-.156	0	%100
38	M36	Z	.27	.27	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.156	-.156	0	%100
44	M41	Z	.27	.27	0	%100
45	M42	X	-.476	-.476	0	%100
46	M42	Z	.825	.825	0	%100
47	M44	X	-.502	-.502	0	%100
48	M44	Z	.869	.869	0	%100
49	M49	X	-.369	-.369	0	%100
50	M49	Z	.64	.64	0	%100
51	M50A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.26	-.26	0	%100
58	M55	Z	.45	.45	0	%100
59	M56	X	-.26	-.26	0	%100
60	M56	Z	.45	.45	0	%100
61	M60	X	-.623	-.623	0	%100
62	M60	Z	1.08	1.08	0	%100
63	M61	X	-.476	-.476	0	%100
64	M61	Z	.825	.825	0	%100
65	M63	X	-.502	-.502	0	%100
66	M63	Z	.869	.869	0	%100
67	M65	X	-.623	-.623	0	%100
68	M65	Z	1.08	1.08	0	%100
69	M66	X	-.476	-.476	0	%100
70	M66	Z	.825	.825	0	%100
71	M68	X	-.502	-.502	0	%100
72	M68	Z	.869	.869	0	%100
73	M73	X	-.273	-.273	0	%100
74	M73	Z	.472	.472	0	%100
75	M74	X	-.273	-.273	0	%100
76	M74	Z	.472	.472	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.247	-.247	0	%100
80	MP1A	Z	.427	.427	0	%100
81	MP2A	X	-.247	-.247	0	%100
82	MP2A	Z	.427	.427	0	%100
83	MP3A	X	-.247	-.247	0	%100
84	MP3A	Z	.427	.427	0	%100
85	MP4A	X	-.247	-.247	0	%100
86	MP4A	Z	.427	.427	0	%100
87	MP1C	X	-.247	-.247	0	%100
88	MP1C	Z	.427	.427	0	%100
89	MP2C	X	-.247	-.247	0	%100
90	MP2C	Z	.427	.427	0	%100
91	MP3C	X	-.247	-.247	0	%100
92	MP3C	Z	.427	.427	0	%100
93	MP4C	X	-.247	-.247	0	%100
94	MP4C	Z	.427	.427	0	%100
95	MP1B	X	-.247	-.247	0	%100
96	MP1B	Z	.427	.427	0	%100
97	MP2B	X	-.247	-.247	0	%100
98	MP2B	Z	.427	.427	0	%100
99	MP3B	X	-.247	-.247	0	%100
100	MP3B	Z	.427	.427	0	%100
101	MP4B	X	-.247	-.247	0	%100
102	MP4B	Z	.427	.427	0	%100
103	M101	X	-.247	-.247	0	%100
104	M101	Z	.427	.427	0	%100
105	M102	X	-.224	-.224	0	%100
106	M102	Z	.388	.388	0	%100
107	M103	X	-.224	-.224	0	%100
108	M103	Z	.388	.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M104	X	0	0	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-.288	-.288	0	%100
112	M123	Z	.498	.498	0	%100
113	M124	X	-.288	-.288	0	%100
114	M124	Z	.498	.498	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	M4	X	-.48	-.48	0	%100
2	M4	Z	.277	.277	0	%100
3	M10	X	-.135	-.135	0	%100
4	M10	Z	.078	.078	0	%100
5	M43	X	-.135	-.135	0	%100
6	M43	Z	.078	.078	0	%100
7	M46	X	-.27	-.27	0	%100
8	M46	Z	.156	.156	0	%100
9	M51B	X	-.6	-.6	0	%100
10	M51B	Z	.346	.346	0	%100
11	M52B	X	-.15	-.15	0	%100
12	M52B	Z	.087	.087	0	%100
13	M76	X	-.81	-.81	0	%100
14	M76	Z	.468	.468	0	%100
15	M77	X	-1.1	-1.1	0	%100
16	M77	Z	.635	.635	0	%100
17	M80	X	-1.158	-1.158	0	%100
18	M80	Z	.669	.669	0	%100
19	M84	X	-.81	-.81	0	%100
20	M84	Z	.468	.468	0	%100
21	M85	X	-.275	-.275	0	%100
22	M85	Z	.159	.159	0	%100
23	M91	X	-.29	-.29	0	%100
24	M91	Z	.167	.167	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.541	-.541	0	%100
28	M26	Z	.313	.313	0	%100
29	M27	X	-.541	-.541	0	%100
30	M27	Z	.313	.313	0	%100
31	M28	X	-1.08	-1.08	0	%100
32	M28	Z	.623	.623	0	%100
33	M31	X	-.15	-.15	0	%100
34	M31	Z	.087	.087	0	%100
35	M32	X	-.15	-.15	0	%100
36	M32	Z	.087	.087	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.275	-.275	0	%100
40	M37	Z	.159	.159	0	%100
41	M39	X	-.29	-.29	0	%100
42	M39	Z	.167	.167	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.275	-.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
46	M42	Z	.159	.159	0	%100
47	M44	X	-.29	-.29	0	%100
48	M44	Z	.167	.167	0	%100
49	M49	X	-.48	-.48	0	%100
50	M49	Z	.277	.277	0	%100
51	M50A	X	-.135	-.135	0	%100
52	M50A	Z	.078	.078	0	%100
53	M51C	X	-.135	-.135	0	%100
54	M51C	Z	.078	.078	0	%100
55	M52A	X	-.27	-.27	0	%100
56	M52A	Z	.156	.156	0	%100
57	M55	X	-.15	-.15	0	%100
58	M55	Z	.087	.087	0	%100
59	M56	X	-.6	-.6	0	%100
60	M56	Z	.346	.346	0	%100
61	M60	X	-.81	-.81	0	%100
62	M60	Z	.468	.468	0	%100
63	M61	X	-.275	-.275	0	%100
64	M61	Z	.159	.159	0	%100
65	M63	X	-.29	-.29	0	%100
66	M63	Z	.167	.167	0	%100
67	M65	X	-.81	-.81	0	%100
68	M65	Z	.468	.468	0	%100
69	M66	X	-1.1	-1.1	0	%100
70	M66	Z	.635	.635	0	%100
71	M68	X	-1.158	-1.158	0	%100
72	M68	Z	.669	.669	0	%100
73	M73	X	-.157	-.157	0	%100
74	M73	Z	.091	.091	0	%100
75	M74	X	-.63	-.63	0	%100
76	M74	Z	.364	.364	0	%100
77	M75	X	-.157	-.157	0	%100
78	M75	Z	.091	.091	0	%100
79	MP1A	X	-.427	-.427	0	%100
80	MP1A	Z	.247	.247	0	%100
81	MP2A	X	-.427	-.427	0	%100
82	MP2A	Z	.247	.247	0	%100
83	MP3A	X	-.427	-.427	0	%100
84	MP3A	Z	.247	.247	0	%100
85	MP4A	X	-.427	-.427	0	%100
86	MP4A	Z	.247	.247	0	%100
87	MP1C	X	-.427	-.427	0	%100
88	MP1C	Z	.247	.247	0	%100
89	MP2C	X	-.427	-.427	0	%100
90	MP2C	Z	.247	.247	0	%100
91	MP3C	X	-.427	-.427	0	%100
92	MP3C	Z	.247	.247	0	%100
93	MP4C	X	-.427	-.427	0	%100
94	MP4C	Z	.247	.247	0	%100
95	MP1B	X	-.427	-.427	0	%100
96	MP1B	Z	.247	.247	0	%100
97	MP2B	X	-.427	-.427	0	%100
98	MP2B	Z	.247	.247	0	%100
99	MP3B	X	-.427	-.427	0	%100
100	MP3B	Z	.247	.247	0	%100
101	MP4B	X	-.427	-.427	0	%100
102	MP4B	Z	.247	.247	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	-.427	-.427	0	%100
104	M101	Z	.247	.247	0	%100
105	M102	X	-.129	-.129	0	%100
106	M102	Z	.075	.075	0	%100
107	M103	X	-.517	-.517	0	%100
108	M103	Z	.299	.299	0	%100
109	M104	X	-.129	-.129	0	%100
110	M104	Z	.075	.075	0	%100
111	M123	X	-.664	-.664	0	%100
112	M123	Z	.383	.383	0	%100
113	M124	X	-.166	-.166	0	%100
114	M124	Z	.096	.096	0	%100
115	M125	X	-.166	-.166	0	%100
116	M125	Z	.096	.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.739	-.739	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.519	-.519	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.519	-.519	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.247	-1.247	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-.952	-.952	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.003	-1.003	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.247	-1.247	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-.952	-.952	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.003	-1.003	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.185	-.185	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.469	-.469	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.469	-.469	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.935	-.935	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.519	-.519	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.312	-.312	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.952	-.952	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
40	M37	Z	0	0	0	%100
41	M39	X	-1.003	-1.003	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.312	-.312	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.185	-.185	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.469	-.469	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.469	-.469	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-.935	-.935	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.519	-.519	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.312	-.312	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.312	-.312	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.952	-.952	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.003	-1.003	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.545	-.545	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.545	-.545	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.493	-.493	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.493	-.493	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.493	-.493	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.493	-.493	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-.493	-.493	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-.493	-.493	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-.493	-.493	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-.493	-.493	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-.493	-.493	0	%100
96	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
97	MP2B	X	-.493	-.493	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.493	-.493	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.493	-.493	0	%100
102	MP4B	Z	0	0	0	%100
103	M101	X	-.493	-.493	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M103	X	-.448	-.448	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	-.448	-.448	0	%100
110	M104	Z	0	0	0	%100
111	M123	X	-.575	-.575	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	-.575	-.575	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	M4	X	-.48	-.48	0	%100
2	M4	Z	-.277	-.277	0	%100
3	M10	X	-.135	-.135	0	%100
4	M10	Z	-.078	-.078	0	%100
5	M43	X	-.135	-.135	0	%100
6	M43	Z	-.078	-.078	0	%100
7	M46	X	-.27	-.27	0	%100
8	M46	Z	-.156	-.156	0	%100
9	M51B	X	-.15	-.15	0	%100
10	M51B	Z	-.087	-.087	0	%100
11	M52B	X	-.6	-.6	0	%100
12	M52B	Z	-.346	-.346	0	%100
13	M76	X	-.81	-.81	0	%100
14	M76	Z	-.468	-.468	0	%100
15	M77	X	-.275	-.275	0	%100
16	M77	Z	-.159	-.159	0	%100
17	M80	X	-.29	-.29	0	%100
18	M80	Z	-.167	-.167	0	%100
19	M84	X	-.81	-.81	0	%100
20	M84	Z	-.468	-.468	0	%100
21	M85	X	-1.1	-1.1	0	%100
22	M85	Z	-.635	-.635	0	%100
23	M91	X	-1.158	-1.158	0	%100
24	M91	Z	-.669	-.669	0	%100
25	M25	X	-.48	-.48	0	%100
26	M25	Z	-.277	-.277	0	%100
27	M26	X	-.135	-.135	0	%100
28	M26	Z	-.078	-.078	0	%100
29	M27	X	-.135	-.135	0	%100
30	M27	Z	-.078	-.078	0	%100
31	M28	X	-.27	-.27	0	%100
32	M28	Z	-.156	-.156	0	%100
33	M31	X	-.6	-.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
34	M31	Z	-.346	-.346	0	%100
35	M32	X	-.15	-.15	0	%100
36	M32	Z	-.087	-.087	0	%100
37	M36	X	-.81	-.81	0	%100
38	M36	Z	-.468	-.468	0	%100
39	M37	X	-1.1	-1.1	0	%100
40	M37	Z	-.635	-.635	0	%100
41	M39	X	-1.158	-1.158	0	%100
42	M39	Z	-.669	-.669	0	%100
43	M41	X	-.81	-.81	0	%100
44	M41	Z	-.468	-.468	0	%100
45	M42	X	-.275	-.275	0	%100
46	M42	Z	-.159	-.159	0	%100
47	M44	X	-.29	-.29	0	%100
48	M44	Z	-.167	-.167	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.541	-.541	0	%100
52	M50A	Z	-.313	-.313	0	%100
53	M51C	X	-.541	-.541	0	%100
54	M51C	Z	-.313	-.313	0	%100
55	M52A	X	-1.08	-1.08	0	%100
56	M52A	Z	-.623	-.623	0	%100
57	M55	X	-.15	-.15	0	%100
58	M55	Z	-.087	-.087	0	%100
59	M56	X	-.15	-.15	0	%100
60	M56	Z	-.087	-.087	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.275	-.275	0	%100
64	M61	Z	-.159	-.159	0	%100
65	M63	X	-.29	-.29	0	%100
66	M63	Z	-.167	-.167	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.275	-.275	0	%100
70	M66	Z	-.159	-.159	0	%100
71	M68	X	-.29	-.29	0	%100
72	M68	Z	-.167	-.167	0	%100
73	M73	X	-.157	-.157	0	%100
74	M73	Z	-.091	-.091	0	%100
75	M74	X	-.157	-.157	0	%100
76	M74	Z	-.091	-.091	0	%100
77	M75	X	-.63	-.63	0	%100
78	M75	Z	-.364	-.364	0	%100
79	MP1A	X	-.427	-.427	0	%100
80	MP1A	Z	-.247	-.247	0	%100
81	MP2A	X	-.427	-.427	0	%100
82	MP2A	Z	-.247	-.247	0	%100
83	MP3A	X	-.427	-.427	0	%100
84	MP3A	Z	-.247	-.247	0	%100
85	MP4A	X	-.427	-.427	0	%100
86	MP4A	Z	-.247	-.247	0	%100
87	MP1C	X	-.427	-.427	0	%100
88	MP1C	Z	-.247	-.247	0	%100
89	MP2C	X	-.427	-.427	0	%100
90	MP2C	Z	-.247	-.247	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
91	MP3C	X	-.427	-.427	0	%100
92	MP3C	Z	-.247	-.247	0	%100
93	MP4C	X	-.427	-.427	0	%100
94	MP4C	Z	-.247	-.247	0	%100
95	MP1B	X	-.427	-.427	0	%100
96	MP1B	Z	-.247	-.247	0	%100
97	MP2B	X	-.427	-.427	0	%100
98	MP2B	Z	-.247	-.247	0	%100
99	MP3B	X	-.427	-.427	0	%100
100	MP3B	Z	-.247	-.247	0	%100
101	MP4B	X	-.427	-.427	0	%100
102	MP4B	Z	-.247	-.247	0	%100
103	M101	X	-.427	-.427	0	%100
104	M101	Z	-.247	-.247	0	%100
105	M102	X	-.129	-.129	0	%100
106	M102	Z	-.075	-.075	0	%100
107	M103	X	-.129	-.129	0	%100
108	M103	Z	-.075	-.075	0	%100
109	M104	X	-.517	-.517	0	%100
110	M104	Z	-.299	-.299	0	%100
111	M123	X	-.166	-.166	0	%100
112	M123	Z	-.096	-.096	0	%100
113	M124	X	-.166	-.166	0	%100
114	M124	Z	-.096	-.096	0	%100
115	M125	X	-.664	-.664	0	%100
116	M125	Z	-.383	-.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-.092	-.092	0	%100
2	M4	Z	-.16	-.16	0	%100
3	M10	X	-.234	-.234	0	%100
4	M10	Z	-.406	-.406	0	%100
5	M43	X	-.234	-.234	0	%100
6	M43	Z	-.406	-.406	0	%100
7	M46	X	-.468	-.468	0	%100
8	M46	Z	-.81	-.81	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.26	-.26	0	%100
12	M52B	Z	-.45	-.45	0	%100
13	M76	X	-.156	-.156	0	%100
14	M76	Z	-.27	-.27	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.156	-.156	0	%100
20	M84	Z	-.27	-.27	0	%100
21	M85	X	-.476	-.476	0	%100
22	M85	Z	-.825	-.825	0	%100
23	M91	X	-.502	-.502	0	%100
24	M91	Z	-.869	-.869	0	%100
25	M25	X	-.369	-.369	0	%100
26	M25	Z	-.64	-.64	0	%100
27	M26	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.26	-.26	0	%100
34	M31	Z	-.45	-.45	0	%100
35	M32	X	-.26	-.26	0	%100
36	M32	Z	-.45	-.45	0	%100
37	M36	X	-.623	-.623	0	%100
38	M36	Z	-1.08	-1.08	0	%100
39	M37	X	-.476	-.476	0	%100
40	M37	Z	-.825	-.825	0	%100
41	M39	X	-.502	-.502	0	%100
42	M39	Z	-.869	-.869	0	%100
43	M41	X	-.623	-.623	0	%100
44	M41	Z	-1.08	-1.08	0	%100
45	M42	X	-.476	-.476	0	%100
46	M42	Z	-.825	-.825	0	%100
47	M44	X	-.502	-.502	0	%100
48	M44	Z	-.869	-.869	0	%100
49	M49	X	-.092	-.092	0	%100
50	M49	Z	-.16	-.16	0	%100
51	M50A	X	-.234	-.234	0	%100
52	M50A	Z	-.406	-.406	0	%100
53	M51C	X	-.234	-.234	0	%100
54	M51C	Z	-.406	-.406	0	%100
55	M52A	X	-.468	-.468	0	%100
56	M52A	Z	-.81	-.81	0	%100
57	M55	X	-.26	-.26	0	%100
58	M55	Z	-.45	-.45	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.156	-.156	0	%100
62	M60	Z	-.27	-.27	0	%100
63	M61	X	-.476	-.476	0	%100
64	M61	Z	-.825	-.825	0	%100
65	M63	X	-.502	-.502	0	%100
66	M63	Z	-.869	-.869	0	%100
67	M65	X	-.156	-.156	0	%100
68	M65	Z	-.27	-.27	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.273	-.273	0	%100
74	M73	Z	-.472	-.472	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.273	-.273	0	%100
78	M75	Z	-.472	-.472	0	%100
79	MP1A	X	-.247	-.247	0	%100
80	MP1A	Z	-.427	-.427	0	%100
81	MP2A	X	-.247	-.247	0	%100
82	MP2A	Z	-.427	-.427	0	%100
83	MP3A	X	-.247	-.247	0	%100
84	MP3A	Z	-.427	-.427	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP4A	X	-.247	-.247	0	%100
86	MP4A	Z	-.427	-.427	0	%100
87	MP1C	X	-.247	-.247	0	%100
88	MP1C	Z	-.427	-.427	0	%100
89	MP2C	X	-.247	-.247	0	%100
90	MP2C	Z	-.427	-.427	0	%100
91	MP3C	X	-.247	-.247	0	%100
92	MP3C	Z	-.427	-.427	0	%100
93	MP4C	X	-.247	-.247	0	%100
94	MP4C	Z	-.427	-.427	0	%100
95	MP1B	X	-.247	-.247	0	%100
96	MP1B	Z	-.427	-.427	0	%100
97	MP2B	X	-.247	-.247	0	%100
98	MP2B	Z	-.427	-.427	0	%100
99	MP3B	X	-.247	-.247	0	%100
100	MP3B	Z	-.427	-.427	0	%100
101	MP4B	X	-.247	-.247	0	%100
102	MP4B	Z	-.427	-.427	0	%100
103	M101	X	-.247	-.247	0	%100
104	M101	Z	-.427	-.427	0	%100
105	M102	X	-.224	-.224	0	%100
106	M102	Z	-.388	-.388	0	%100
107	M103	X	0	0	0	%100
108	M103	Z	0	0	0	%100
109	M104	X	-.224	-.224	0	%100
110	M104	Z	-.388	-.388	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.288	-.288	0	%100
114	M124	Z	-.498	-.498	0	%100
115	M125	X	-.288	-.288	0	%100
116	M125	Z	-.498	-.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	2.497	3.329
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M31	Y	-1.812	-4.256	0	.832
12	M31	Y	-4.256	-6.773	.832	1.665
13	M31	Y	-6.773	-7.943	1.665	2.497
14	M31	Y	-7.943	-6.32	2.497	3.329
15	M31	Y	-6.32	-3.329	3.329	4.162
16	M32	Y	-3.33	-6.293	0	.832
17	M32	Y	-6.293	-7.874	.832	1.665
18	M32	Y	-7.874	-6.636	1.665	2.497
19	M32	Y	-6.636	-4.066	2.497	3.329
20	M32	Y	-4.066	-1.597	3.329	4.162
21	M55	Y	-1.601	-4.064	0	.832

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
22	M55	Y	-4.064	-6.635	.832	1.665
23	M55	Y	-6.635	-7.874	1.665	2.497
24	M55	Y	-7.874	-6.292	2.497	3.329
25	M55	Y	-6.292	-3.33	3.329	4.162
26	M56	Y	-3.336	-6.325	0	.832
27	M56	Y	-6.325	-7.938	.832	1.665
28	M56	Y	-7.938	-6.771	1.665	2.497
29	M56	Y	-6.771	-4.259	2.497	3.329
30	M56	Y	-4.259	-1.808	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	-5.156	-13.085	0	.832
2	M51B	Y	-13.085	-21.366	.832	1.665
3	M51B	Y	-21.366	-25.356	1.665	2.497
4	M51B	Y	-25.356	-20.26	2.497	3.329
5	M51B	Y	-20.26	-10.722	3.329	4.162
6	M52B	Y	-10.741	-20.365	0	.832
7	M52B	Y	-20.365	-25.56	.832	1.665
8	M52B	Y	-25.56	-21.801	1.665	2.497
9	M52B	Y	-21.801	-13.714	2.497	3.329
10	M52B	Y	-13.714	-5.823	3.329	4.162
11	M31	Y	-5.835	-13.704	0	.832
12	M31	Y	-13.704	-21.81	.832	1.665
13	M31	Y	-21.81	-25.575	1.665	2.497
14	M31	Y	-25.575	-20.352	2.497	3.329
15	M31	Y	-20.352	-10.718	3.329	4.162
16	M32	Y	-10.722	-20.263	0	.832
17	M32	Y	-20.263	-25.353	.832	1.665
18	M32	Y	-25.353	-21.369	1.665	2.497
19	M32	Y	-21.369	-13.091	2.497	3.329
20	M32	Y	-13.091	-5.144	3.329	4.162
21	M55	Y	-5.156	-13.085	0	.832
22	M55	Y	-13.085	-21.366	.832	1.665
23	M55	Y	-21.366	-25.356	1.665	2.497
24	M55	Y	-25.356	-20.26	2.497	3.329
25	M55	Y	-20.26	-10.722	3.329	4.162
26	M56	Y	-10.741	-20.365	0	.832
27	M56	Y	-20.365	-25.56	.832	1.665
28	M56	Y	-25.56	-21.801	1.665	2.497
29	M56	Y	-21.801	-13.714	2.497	3.329
30	M56	Y	-13.714	-5.823	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.016
2	N55	N57	N33	N32	Y	Two Way	-.016
3	N84	N86	N62	N61	Y	Two Way	-.016

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 1053.224	10	3304.585	13	2051.41	1	6.262	13	1.447	4	.58	5
2	min -1033.671	4	547.345	7	-2189.118	7	-.314	7	-1.411	10	-.469	11
3 N30A	max 1531.767	9	2851.013	21	880.257	1	.119	3	1.152	12	-.068	3
4	min -1664.024	3	433.983	3	-829.918	7	-2.647	21	-1.12	6	-5.047	21
5 N59	max 1638.513	11	2905.768	17	1142.401	12	-.106	11	1.172	8	5.005	17
6	min -1526.788	5	421.336	11	-1052.603	6	-3.09	17	-1.137	2	-.094	11
7 Totals:	max 4021.115	10	8592.252	19	4062.375	1						
8	min -4021.115	4	3132.226	1	-4062.374	7						

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

Member	Shape	Code	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn
1 M4	HSS4X4X4	.392	0	13	.100	0	y	16	124657....	139518	16.181	16.181	3....	H1-1b
2 M10	HSS4X4X4	.203	2.375	14	.069	2.375	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
3 M43	HSS4X4X4	.200	0	24	.062	0	y	13	136263.03	139518	16.181	16.181	1....	H1-1b
4 M46	PL1/2x6	.155	.516	12	.119	0	y	23	66009.234	97200	1.012	12.15	1....	H1-1b
5 M51B	L2x2x3	.120	4.162	2	.016	4.162	y	17	9823.122	23392.8	.558	1.084	1....	H2-1
6 M52B	L2x2x3	.123	4.162	12	.017	4.162	y	21	9823.122	23392.8	.558	1.084	1....	H2-1
7 M76	PL3/8x6	.192	0	4	.224	0	y	18	70677.939	72900	.57	9.113	1....	H1-1b
8 M77	PL3/8x6	.205	.167	8	.427	0	y	14	71601.728	72900	.57	9.113	1....	H1-1b
9 M80	PL1/2x6	.049	.112	1	.076	0	y	11	96757.507	97200	1.012	12.15	1....	H1-1b
10 M84	PL3/8x6	.188	0	12	.260	0	y	20	70677.939	72900	.57	9.113	1....	H1-1b
11 M85	PL3/8x6	.194	.167	6	.408	0	y	13	71601.728	72900	.57	9.113	1....	H1-1b
12 M91	PL1/2x6	.054	.112	1	.076	.112	y	9	96757.507	97200	1.012	12.15	1....	H1-1b
13 M25	HSS4X4X4	.355	0	21	.093	0	y	23	124657....	139518	16.181	16.181	3....	H1-1b
14 M26	HSS4X4X4	.198	2.375	22	.068	2.375	y	21	136263.03	139518	16.181	16.181	1....	H1-1b
15 M27	HSS4X4X4	.198	0	20	.061	0	y	20	136263.03	139518	16.181	16.181	1....	H1-1b
16 M28	PL1/2x6	.154	.516	8	.123	0	y	18	66009.234	97200	1.012	12.15	1....	H1-1b
17 M31	L2x2x3	.120	2.211	16	.016	4.162	y	13	9823.122	23392.8	.558	1.077	1....	H2-1
18 M32	L2x2x3	.119	4.162	8	.017	4.162	y	17	9823.122	23392.8	.558	1.084	1....	H2-1
19 M36	PL3/8x6	.183	0	12	.219	0	y	14	70677.939	72900	.57	9.113	1....	H1-1b
20 M37	PL3/8x6	.204	.167	4	.418	0	y	22	71601.728	72900	.57	9.113	1....	H1-1b
21 M39	PL1/2x6	.048	.112	9	.082	0	y	7	96757.507	97200	1.012	12.15	1....	H1-1b
22 M41	PL3/8x6	.187	0	8	.266	0	y	16	70677.939	72900	.57	9.113	1....	H1-1b
23 M42	PL3/8x6	.187	.167	2	.403	0	y	20	71601.728	72900	.57	9.113	1....	H1-1b
24 M44	PL1/2x6	.053	.112	9	.082	.112	y	5	96757.507	97200	1.012	12.15	1....	H1-1b
25 M49	HSS4X4X4	.368	0	17	.098	0	y	43	124657....	139518	16.181	16.181	3....	H1-1b
26 M50A	HSS4X4X4	.200	2.375	18	.069	2.375	y	17	136263.03	139518	16.181	16.181	1....	H1-1b
27 M51C	HSS4X4X4	.203	0	16	.063	0	y	16	136263.03	139518	16.181	16.181	1....	H1-1b
28 M52A	PL1/2x6	.159	.516	4	.139	.516	y	27	66009.234	97200	1.012	12.15	1....	H1-1b
29 M55	L2x2x3	.123	4.162	6	.015	4.162	y	21	9823.122	23392.8	.558	1.084	1....	H2-1
30 M56	L2x2x3	.119	4.162	4	.017	4.162	y	13	9823.122	23392.8	.558	1.084	1....	H2-1
31 M60	PL3/8x6	.176	0	8	.213	0	y	22	70677.939	72900	.57	9.113	1....	H1-1b
32 M61	PL3/8x6	.209	.167	12	.421	0	y	18	71601.728	72900	.57	9.113	1....	H1-1b
33 M63	PL1/2x6	.048	.112	5	.132	0	y	27	96757.507	97200	1.012	12.15	1....	H1-1b
34 M65	PL3/8x6	.198	0	4	.264	0	y	24	70677.939	72900	.57	9.113	1....	H1-1b
35 M66	PL3/8x6	.194	.167	10	.412	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
36 M68	PL1/2x6	.056	.112	5	.083	.112	y	1	96757.507	97200	1.012	12.15	1....	H1-1b
37 M73	PIPE 3.0	.158	4.557	21	.080	8.073		20	28250.554	65205	5.749	5.749	2....	H1-1b
38 M74	PIPE 3.0	.162	4.557	17	.081	8.073		16	28250.554	65205	5.749	5.749	2....	H1-1b
39 M75	PIPE 3.0	.160	4.557	13	.081	8.073		24	28250.554	65205	5.749	5.749	2....	H1-1b
40 MP1A	PIPE 2.0	.220	4.229	9	.080	1.313		7	17855.085	32130	1.872	1.872	2....	H1-1b
41 MP2A	PIPE 2.5	.264	4.229	10	.071	2.406		11	33961.614	50715	3.596	3.596	1....	H1-1b
42 MP3A	PIPE 2.0	.300	4.229	5	.076	4.229		6	17855.085	32130	1.872	1.872	1....	H1-1b
43 MP4A	PIPE 2.0	.246	4.229	17	.087	1.313		6	17855.085	32130	1.872	1.872	1....	H1-1b

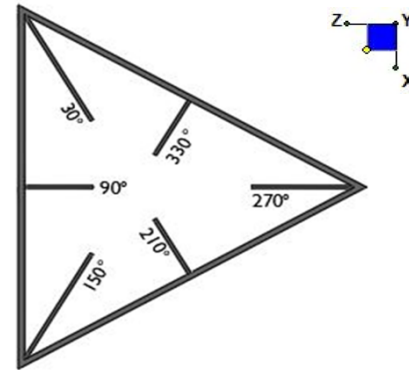
Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc I...	phi*Pnt I...	phi*Mn y...	phi*Mn z...	Cb	Eqn
44	MP1C	PIPE 2.0	.224	4.229	5	.075	1.313		3	17855.085	32130	1.872	1.872	2...	H1-1b
45	MP2C	PIPE 2.5	.271	4.229	5	.072	2.406		7	33961.614	50715	3.596	3.596	2...	H1-1b
46	MP3C	PIPE 2.0	.309	4.229	1	.075	4.229		3	17855.085	32130	1.872	1.872	1...	H1-1b
47	MP4C	PIPE 2.0	.257	4.229	13	.076	4.229		2	17855.085	32130	1.872	1.872	1...	H1-1b
48	MP1B	PIPE 2.0	.230	4.229	1	.076	1.313		11	17855.085	32130	1.872	1.872	1...	H1-1b
49	MP2B	PIPE 2.5	.271	4.229	1	.072	2.406		4	33961.614	50715	3.596	3.596	1...	H1-1b
50	MP3B	PIPE 2.0	.294	4.229	9	.075	4.229		11	17855.085	32130	1.872	1.872	2...	H1-1b
51	MP4B	PIPE 2.0	.245	4.229	21	.075	4.229		10	17855.085	32130	1.872	1.872	1...	H1-1b
52	M101	PIPE 2.0	.318	3.5	11	.028	3.5		11	20866.733	32130	1.872	1.872	2...	H1-1b
53	M102	PIPE 2.5	.158	8.464	8	.074	10.547		6	14558.792	50715	3.596	3.596	2...	H1-1b
54	M103	PIPE 2.5	.158	8.464	4	.073	10.547		3	14558.792	50715	3.596	3.596	2...	H1-1b
55	M104	PIPE 2.5	.162	8.464	12	.074	10.547		11	14558.792	50715	3.596	3.596	2...	H1-1b
56	M123	L3X3X4	.268	0	11	.024	0	y	6	41406.387	46656	1.688	3.756	2...	H2-1
57	M124	L3X3X4	.275	0	3	.025	.435	y	10	41406.387	46656	1.688	3.756	2...	H2-1
58	M125	L3X3X4	.279	0	7	.025	0	y	2	41406.387	46656	1.688	3.756	2...	H2-1

I. Mount-to-Tower Connection Check

RISA Model Data

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



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch):

d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

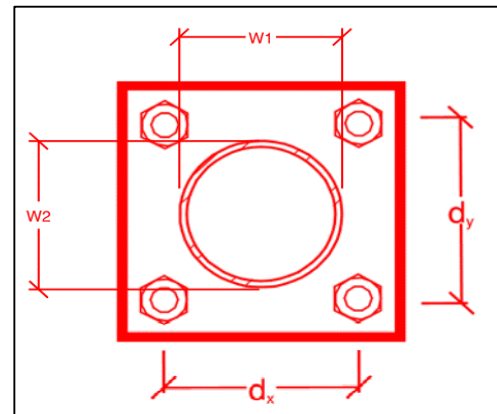
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
7
7
A325N
0.625
21.8
4.2
20.7
12.4
26.3%*
8.5%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
10
10
4
4
36
0.5
3
4.18
3.55
81.5%
85.1%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	16.4
$\Phi \cdot M_{n_{xx}}$ (kip-in):	20.3
$M_{u_{yy}}$ (kip-in):	0.1
$\Phi \cdot M_{n_{yy}}$ (kip-in):	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- Photos taken at Mount Elevation
 - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
 - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
 - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
 - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
 - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
 - Photos showing the safety climb wire rope above and below the mount prior to modification.
 - Photos showing the climbing facility and safety climb if present.

Material Certification:

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

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

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

Certifying Individual: Company _____

Signature _____

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Name _____

Signature _____

Issue:

Contractor to install safety climb cable guide (SitePro1, Part #: 120-203-317 or EOR approved equivalent) in locations where wire rope is rubbing against the mount to tower attachments. Contractor to provided photos of safety climb cable guide installation.

Response:

--

Schedule A – Photo & Document File Structure



VzW Site Number / Name



Base & “During Installation” Photos



Pre-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Post-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Photos of climbing facility and safety climb – If Present



Certifications – Submission of this document including certifications



Specific Required Additional Photos

Sector: **A**

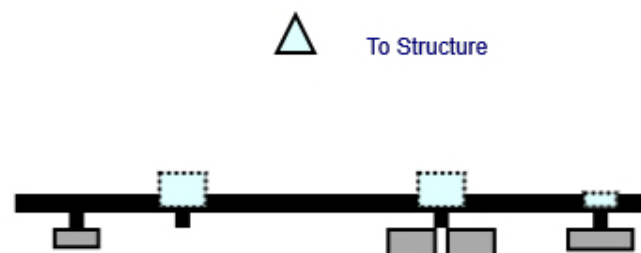
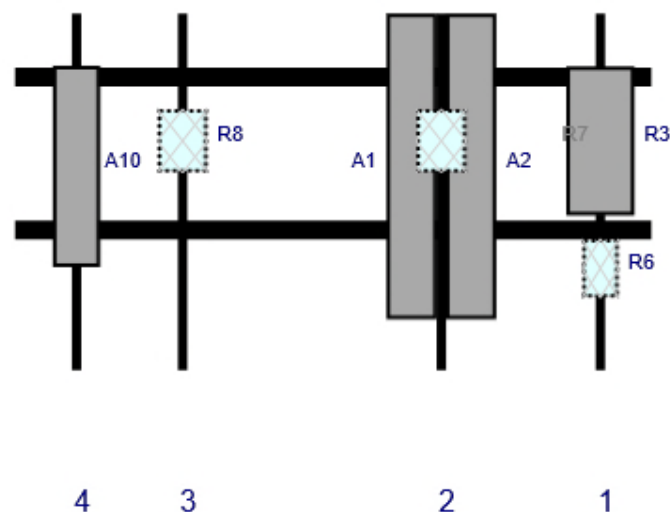
7/28/2021

Structure Type: Monopole

10089231

Mount Elev: 134.75

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
R3	MT6407-77A	35.1	16.1	138	1	a	Front	30	0	Added	
R6	CBRS RRH - RT4401-48A	13.9	8.6	138	1	a	Behind	60	0	Added	
A10	BXA-70063-4CF	47.4	11.2	14.5	4	a	Front	36	0	Retained	04/23/2021
A1	NHH-65B-R2B	72	11.9	100.5	2	a	Front	36	-7	Added	
A2	NHHSS-65B-R2BT0	72	11.9	100.5	2	a	Front	36	7	Added	
R7	RF4439d-25A	15	11.8	100.5	2	a	Behind	30	0	Added	
R8	RF4440d-13A	15	11.8	39.5	3	a	Behind	30	0	Added	

Sector: **B**

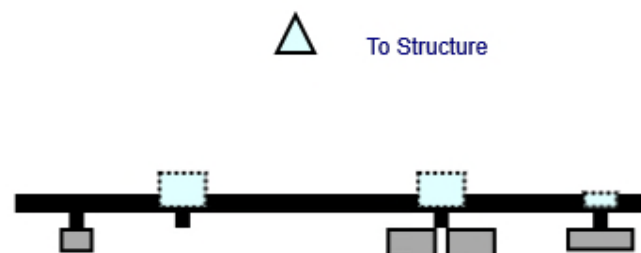
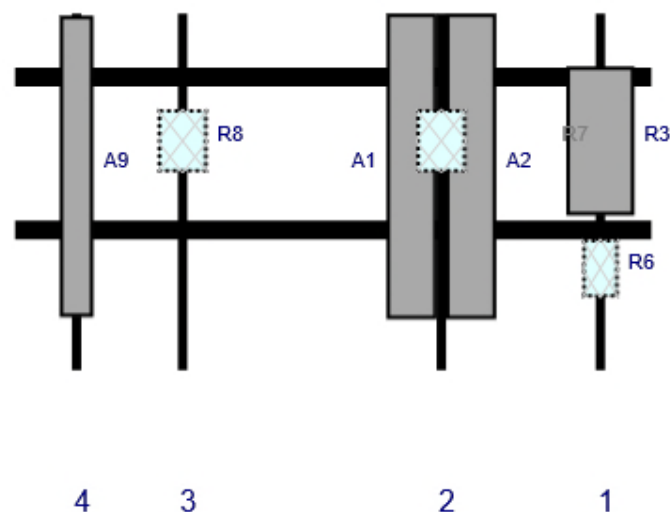
7/28/2021

Structure Type: Monopole

10089231

Mount Elev: 134.75

Page: 2

Plan View**Front View**
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	MT6407-77A	35.1	16.1	138	1	a	Front	30	0	Added	
R6	CBRS RRH - RT4401-48A	13.9	8.6	138	1	a	Behind	60	0	Added	
A1	NHH-65B-R2B	72	11.9	100.5	2	a	Front	36	-7	Added	
A2	NHHSS-65B-R2BT0	72	11.9	100.5	2	a	Front	36	7	Added	
R7	RF4439d-25A	15	11.8	100.5	2	a	Behind	30	0	Added	
R8	RF4440d-13A	15	11.8	39.5	3	a	Behind	30	0	Added	
A9	BXA-70080-6BF-EDIN-0	71	8	14.5	4	a	Front	36	0	Retained	04/23/2021

Sector: C

7/28/2021

Structure Type: Monopole

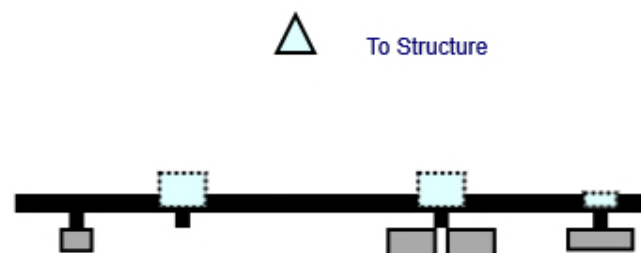
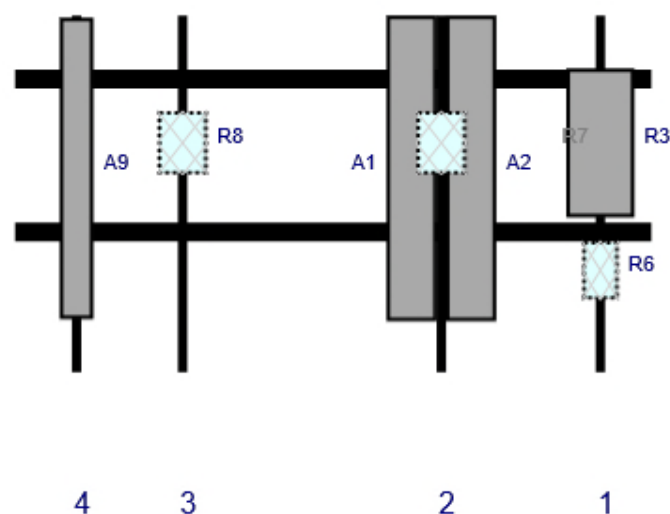
10089231

Mount Elev: 134.75

Page: 3



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
R3	MT6407-77A	35.1	16.1	138	1	a	Front	30	0	Added	
R6	CBRS RRH - RT4401-48A	13.9	8.6	138	1	a	Behind	60	0	Added	
A1	NHH-65B-R2B	72	11.9	100.5	2	a	Front	36	-7	Added	
A2	NHHSS-65B-R2BT0	72	11.9	100.5	2	a	Front	36	7	Added	
R7	RF4439d-25A	15	11.8	100.5	2	a	Behind	30	0	Added	
R8	RF4440d-13A	15	11.8	39.5	3	a	Behind	30	0	Added	
A9	BXA-70080-6BF-EDIN-0	71	8	14.5	4	a	Front	36	0	Retained	04/23/2021

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID:	468217-VZW / MANCHESTER 2 CT
Site Name:	MANCHESTER 2 CT
Carrier Name:	Verizon Wireless
Address:	12 Carpenter Rd Manchester, Connecticut 06043 Tolland County
Latitude:	41.779083°
Longitude:	-72.465306°

Structure Information

Tower Type:	139-Ft Monopole
Mount Type:	12.50-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,



Digitally signed by Justin Linette
Date: 2021.07.29 11:07:04-04'00'

Justin Linette, PE
Technical Manager

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SEE MODIFICATION NOTES

- ## GENERAL NOTES

- PETER.AIRANO@COLLIERENGINEERING.COM

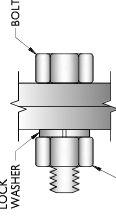
4. PROVIDE MASTER CONSULTING PROJECT # AND MASTER CONSULTING, CONNECTICUT PROJECT ENGINEER, PRINTED IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BEDDIPED 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. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKWASH DISCS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILD ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. 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 MEMBER BEING REPLACED. PROVIDE NEW BOLTS TO BE IN THE FACE OF THE STEEL AFTER LIGHTNING RODS ARE INSTALLED.

WELDING NOTES

- WORKABLE GAGES (IN.)

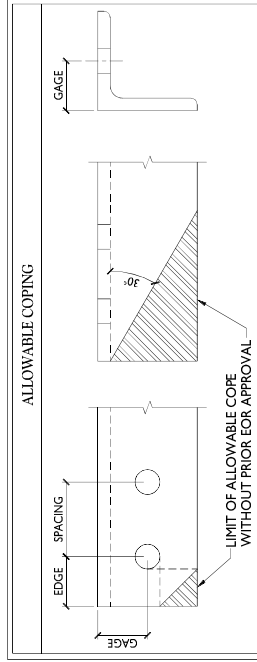
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

NOTES:



TYP. BOLT ASSEMBLY

1. THE DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AS 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 AS-C MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
4. MATCH EXISTING GAGES WHEN APPLICABLE. UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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Justin Lincette
CONNECTICUT PROFESSIONAL ENGINEER
No. 7820
MAST CONSULTING CONNECTICUT
CONNECTICUT CO., CT 06001-3131

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UNLESS THEY ARE ACTING UNDER THE DIRECTION
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468217
12 CARPENTER RD
MANCHESTER, CT 6043
TOLLAND COUNTY

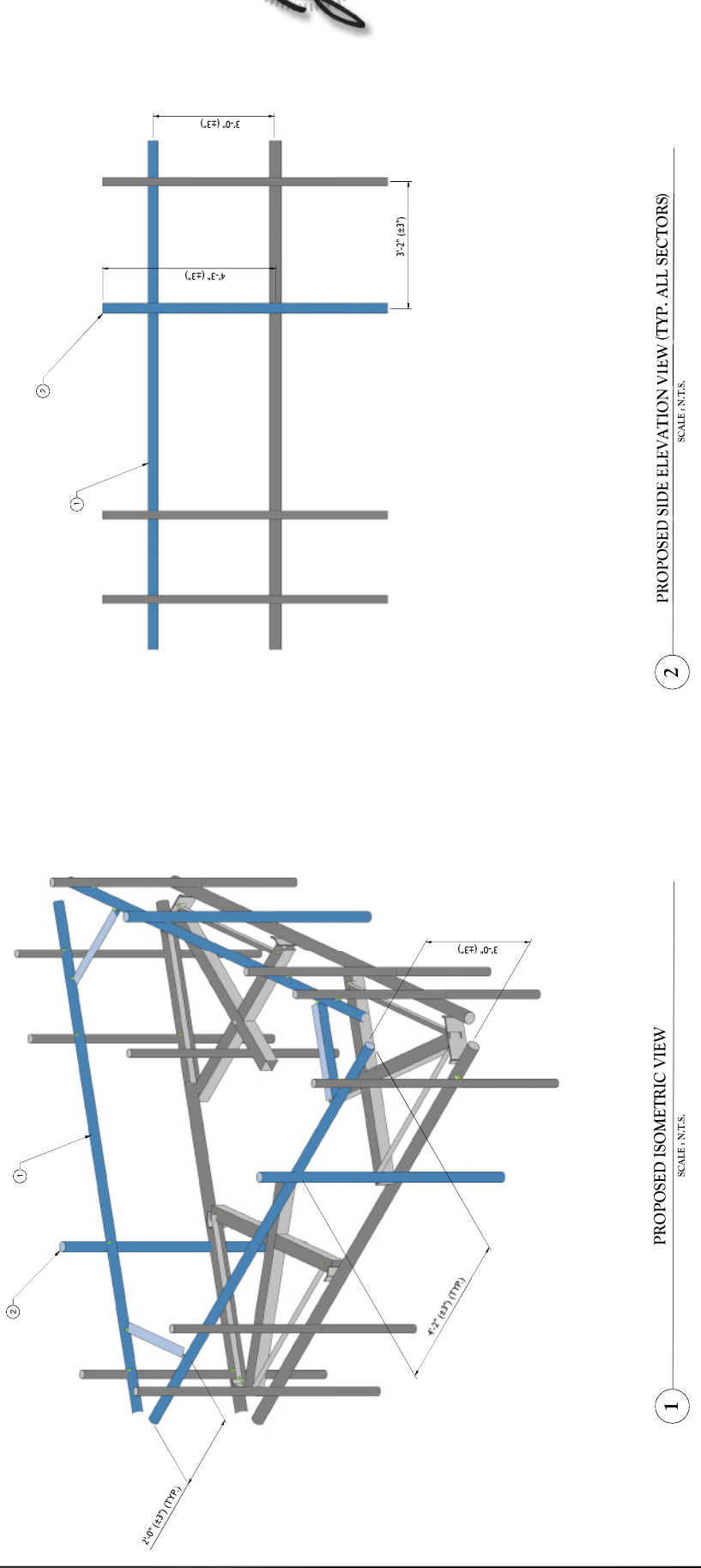
MT. LAUREL OFFICE
2000 Millstone Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.797.1150

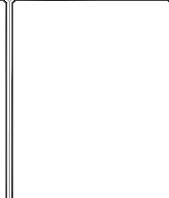
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MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1		1	PROPOSED SUPPORT RAIL KIT (PART #: VZW5HART-PL1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL NOTES ON SHEET SGN-001. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MUST BE NOTIFIED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. FOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
2		3	84" LONG P 2 1/2 STD	GALVANIZED CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZW5HART-HSK2).
3				
4	134.75			
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NOTES:				
MOUNT MEMBERS NOT SHOWN FOR CLARITY UNO.				





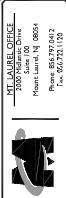
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REV	0	ISSUED FOR CONSTRUCTION	JBA JFL
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Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 151000150 / 12/31/21
EXPIRATION DATE: 12/31/2021
CONNECTICUT COA #: P00000311

Digitally signed by Justin Linette
DN: c=US, o=Linette, ou=Professional Engineer, email=jlinette@linette.com

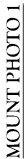
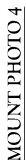
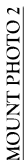
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

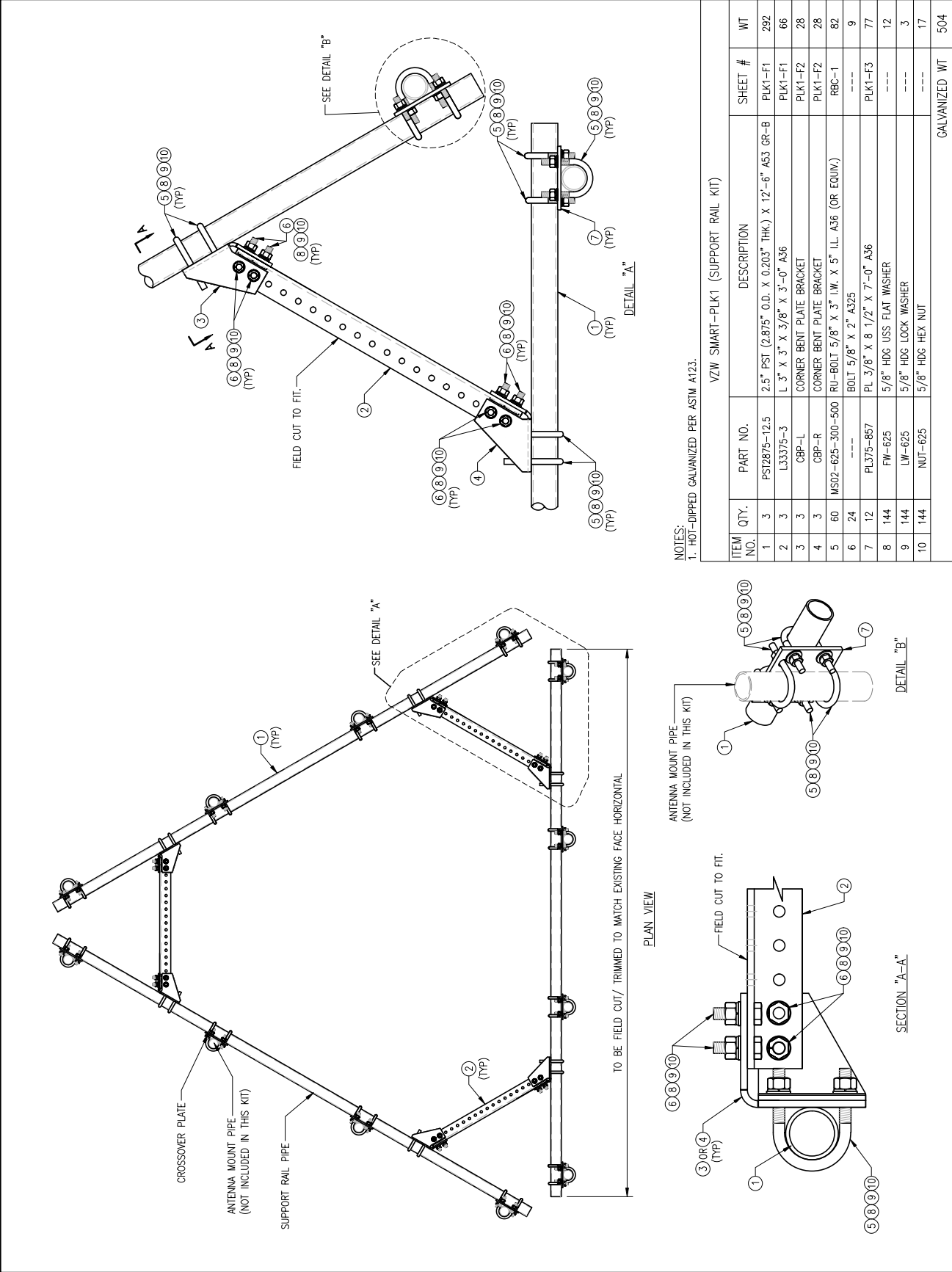
SITE NAME:
MANCHESTER 2 CT
468217
12 CARPENTER RD
MANCHESTER, CT 6043
TOLLAND COUNTY

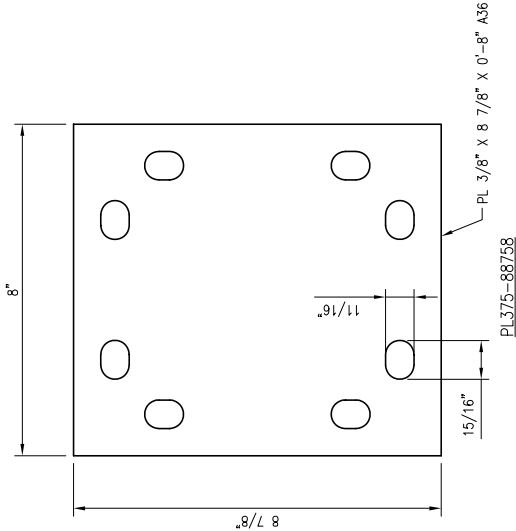
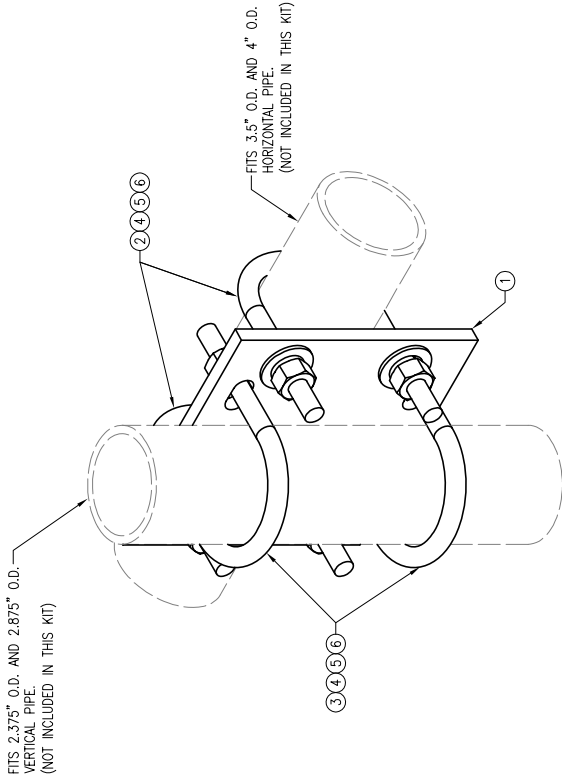


TEST TITLE: MOUNT PHOTOS

457 NUMBER : SS-2



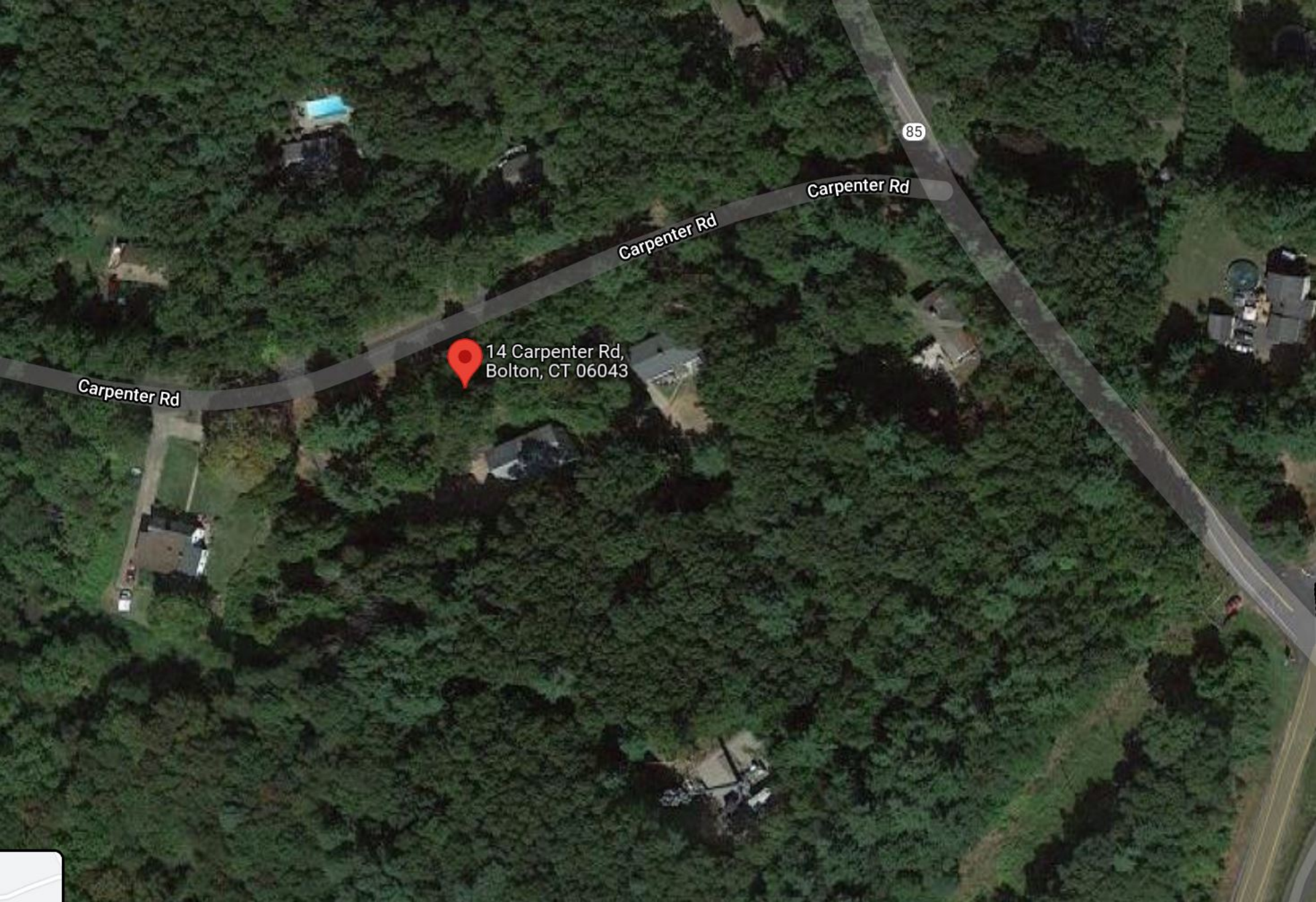




VZSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" LW. X 6" IL. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" LW. X 5" IL. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	----	1
5	8	LW-625	5/8" HDG LOCK WASHER	----	0
6	8	NUT-625	5/8" HDG HEX NUT	----	1
				GALVANIZED	WT
					15

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

ATTACHMENT 5



85

Carpenter Rd

Carpenter Rd

14 Carpenter Rd,
Bolton, CT 06043

Carpenter Rd

14 CARPENTER RD

 Sales

 Print

 Map It

Location

14 CARPENTER RD

Mblu

07 / / 5 / /

Owner

VEO TERRY L

Assessment

\$535,400

Appraisal

\$932,600

PID

1129

Building Count

2

Current Value

Appraisal	
Valuation Year	Total
2018	\$932,600
Assessment	
Valuation Year	Total
2018	\$535,400

Owner of Record

Owner

VEO TERRY L

Sale Price

\$0

Co-Owner

VEO TERRY L TRUSTEE

Certificate

salemaster

Address

23 BOLTON CENTER RD

Book & Page

0088/1041

BOLTON, CT 06043

Sale Date

10/21/1996

ATTACHMENT 6



MANCHESTER 2
Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 3	TOTAL NO. of Pieces Received at Post Office™ 3	Affix Stamp Here <i>Postmark with Date of Receipt.</i> 			
	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.	Pamela Sawyer, First Selectman Town of Bolton 222 Bolton Center Road Bolton, CT 06043					
	Patrice Carson, Director of Community Development Town of Bolton 222 Bolton Center Road Bolton, CT 06043					
3.	Terry Lee Veo 23 Bolton Center Road Bolton, CT 06043					
4.						
5.						
6.						