Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
Main (860) 275-8200
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kbaldwin@rc.com
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Also admitted in Massachusetts
and New York

November 16, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
56 Roper Road (a/k/a 548 Green Hollow Road), Plainfield, 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 the existing tower and associated equipment on the ground adjacent to the tower. The tower was approval by the Town of Plainfield ("Town") in July of 1998. Cellco's use of the tower was approved by the Siting Council ("Council") in December of 2000 (TS-VER-109-001214). A copy of the Town's tower approval and the Council's TS-VER-109-001214 approval are included in Attachment 1.

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

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

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

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

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).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Kevin M. Cunningham, Plainfield First Selectman
Mary Ann Chinatti, Town Planner
Tilcon Inc., Property Owner
Karla Hanna

ATTACHMENT 1

THE PLAINFIELD TOWN HALL

PLAINFIELD - CENTRAL VILLAGE - MOOSUP - WAUREGAN

Town Hall
8 Community Avenue
Plainfield, CT 06374

Telephone 564-4071
Fax 564-0612

PLANNING AND ZONING COMMISSION

July 28, 1998

SBA, Inc.
Esther McNany
Nextel Communications
125 Shaw St. #116
New London, CT 06320

Dear Applicant:

At its meeting, on Tuesday, July 14, 1998, the Planning and Zoning Commission approved your request SP-98-06 for the construction of a telecommunication tower on Green Hollow Rd., Wauregan. Map 20, Block 124, Parcel 6.

The following are conditions of that approval:
None

A copy of the Legal Notice is enclosed for your records and appeared in the Norwich Bulletin on Wednesday, July 22, 1998.

Please file the enclosed Special Permit Record in the Town Clerk's Office after the above date of publication. The Special Permit Record shall not be effective until the record is filed.

Very truly yours,

PLANNING AND ZONING COMMISSION

Dennis Jolley, Chairman

Gloria Rizer, Secretary

December 22, 2000

Sandy M. Carter
Verizon Wireless
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: **TS-VER-109-001214** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 548 Green Hollow Road, Plainfield, Connecticut.

Dear Ms. Carter:

At a public meeting held December 19, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated December 14, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/laf

c: Honorable Paul E. Sweet, First Selectman, Town of Plainfield
Esther McNany, SBA, Inc.
Julie M. Cashin, Esq.
J. Brendan Sharkey, VoiceStream Wireless Corporation
Ronald C. Clark, Nextel Communications
Peter W. van Wilgen, Springwich Cellular Limited Partnership

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

LOCATION MAP

PLAINFIELD N CT
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374

PROJECT:
L-SUB6-CARRIER ADD

SUPPORTING DOCUMENTS

RADIO FREQUENCY (RF) DESIGN: **08/13/21**
MOUNT MAPPING REPORT: **03/18/21 (BY STRUCTURAL COMPONENTS)**
MOUNT ANALYSIS: **08/26/21 (BY MASER CONSULTING)**
STRUCTURAL ANALYSIS: **(MONOPOLE): 10/06/21 (BY SBA)**
MOUNT MODIFICATION DRAWINGS: **08/26/21 (BY MASER CONSULTING)**

PROJECT INFORMATION

SITE NAME:	PLAINFIELD N CT
LOCATION CODE:	468830
SITE ADDRESS:	548 GREEN HOLLOW RD PLAINFIELD, CT 06374
LATITUDE:	41° 44' 45.61" N
LONGITUDE:	71° 52' 48.57" W

DRAWING INDEX

NO.	DESCRIPTION
T-1	TITLE SHEET
A-1	TOWER ELEVATION & COMPOUND PLAN
A-2	ANTENNA CONFIGURATION & SCOPE OF WORK
A-3	EQUIPMENT SPECIFICATIONS, BILL OF MATERIALS & PLUMBING DIAGRAM
SN-1	STRUCTURAL NOTES

RFDS PROJECT SCOPE

RFDS SOW: 850 5GNR/ L-SUB6 CARRIER ADDS, SAMSUNG DUAL BAND RRH SWAP, ANTENNA CHANGE

1 - RETAIN 700/ AWS/ PCS CARRIERS AND ADD 850 5GNR/ L-SUB6 CARRIERS
2 - REPLACE (6) EXISTING ANTENNAS AT POSITIONS 2 & 3 WITH (6) NEW JMA MX06FRO660-03 ANTENNAS ON NEW 9190314-02 SBS MOUNTS TO POSITION 2. RETAIN (6) CDMA ANTENNAS IN POSITIONS 1 & 4.
3 - ADD (3) NEW SAMSUNG MT6407-77A L-SUB6 ALL-IN-ONE ANTENNA/RRHS TO POSITION 3
4 - REPLACE (9) EXISTING NOKIA RRHS ON TOWER WITH (3) NEW SAMSUNG B5/B13 RRH- RF4440D-13A AND (3) NEW SAMSUNG B2/B25 RRH-RF4439D-25A
5 - PLUMB 700/ 850/ PCS/ AWS/ L-SUB6 ACCORDING TO THE PLUMBING DIAGRAM
6 - USE RF PORTS ON DUAL BAND RRHS TO COMMUNICATE WITH RETS VIA SMART BIAS-T BUILT INTO THE ANTENNA
7 - CAP AND WEATHERPROOF UNUSED PORTS/CONNECTORS

SUMMARY:

- ADDING 9, REMOVING 6, RETAINING 6 (FINAL ANTENNA COUNT: 15)
- ADDING 9 RRU'S, REMOVING 9, RETAINING 0 (FINAL RRU COUNT: 9)

BUILDING CODES

APPLICABLE BUILDING CODES: SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

- BUILDING CODE: IBC 2015 & CONNECTICUT STATE BUILDING CODE 2018
- ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE
- LIGHTENING CODE: NFPA 70-2017
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION ANSI (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

CENTERLINE ENGINEERING SERVICES, PA
750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	10/12/21	ISSUED FOR CONSTRUCTION
0	08/31/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
PLAINFIELD N CT

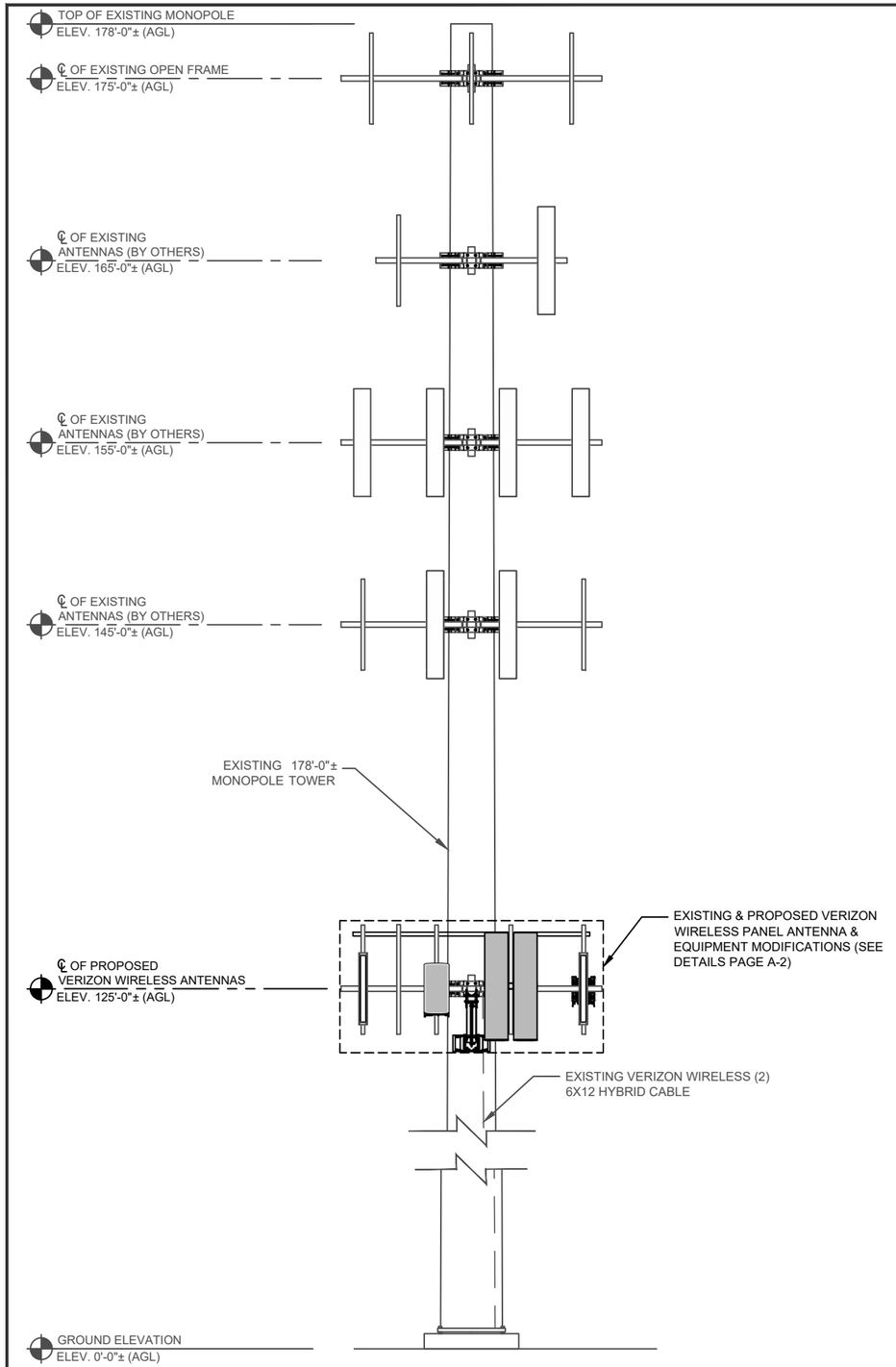
SITE ADDRESS:
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM

LOCATION CODE:
468830

SHEET TITLE:
TITLE SHEET

SHEET #: T-1

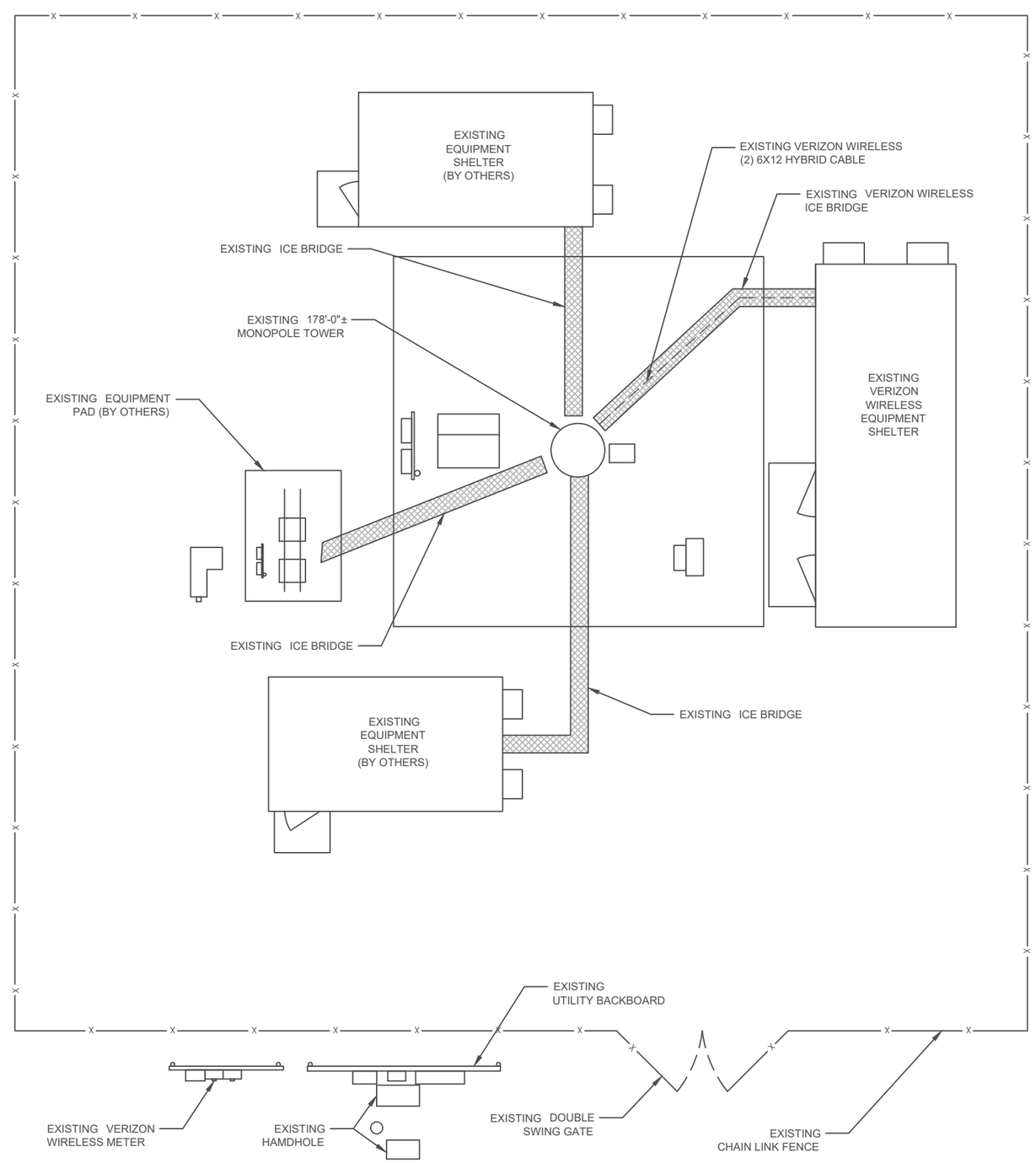
REVISION: 1



1 / A-1 TOWER ELEVATION

SCALE: 1/4" = 1'-0" (22"X34")
1/8" = 1'-0" (11"X17")

GRAPHIC SCALE
4 0 2 4 8 16
(IN FEET)



2 / A-1 COMPOUND PLAN

SCALE: 3/16" = 1'-0" (22"X34")
3/32" = 1'-0" (11"X17")

GRAPHIC SCALE
2'-8" 0 2'-8" 5'-4" 10'-8" 21'-4"
(IN FEET)

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

CENTERLINE
ENGINEERING SERVICES, PA

750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	10/12/21	ISSUED FOR CONSTRUCTION
0	08/31/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
PLAINFIELD N CT

SITE ADDRESS:
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM

LOCATION CODE:
468830

SHEET TITLE:
TOWER ELEVATION &
COMPOUND PLAN

SHEET #: A-1 REVISION: 1

NOTES

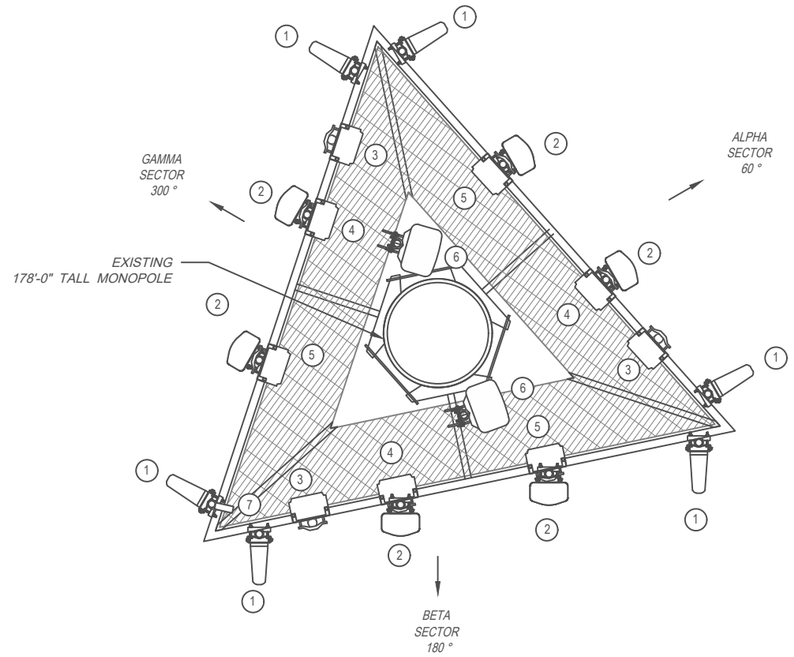
1. IF SHOWN, ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND PROP. ANTENNA FACE.
2. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
3. REFER TO ASSEMBLY DRAWING AND MOUNT ANALYSIS BY MASER CONSULTING FOR ALL REQUIRED EQUIPMENT MODIFICATION INFORMATION.

GENERAL ABBREVIATION LIST

- ABP ABOVE BASE PLATE
- AGL ABOVE GRADE LEVEL
- AMSL ABOVE MEAN SEA LEVEL
- AWS ADVANCED WIRELESS SERVICE
- HDG HOT DIPPED GALVANIZED
- OVP OVER VOLTAGE PROTECTION
- RRH REMOTE RADIO HEAD
- V.I.F. VERIFY IN FIELD
- W.P. WORK POINT
- A.F.R. ABOVE FINISH ROOF

SCOPE OF WORK (ALL) SECTORS

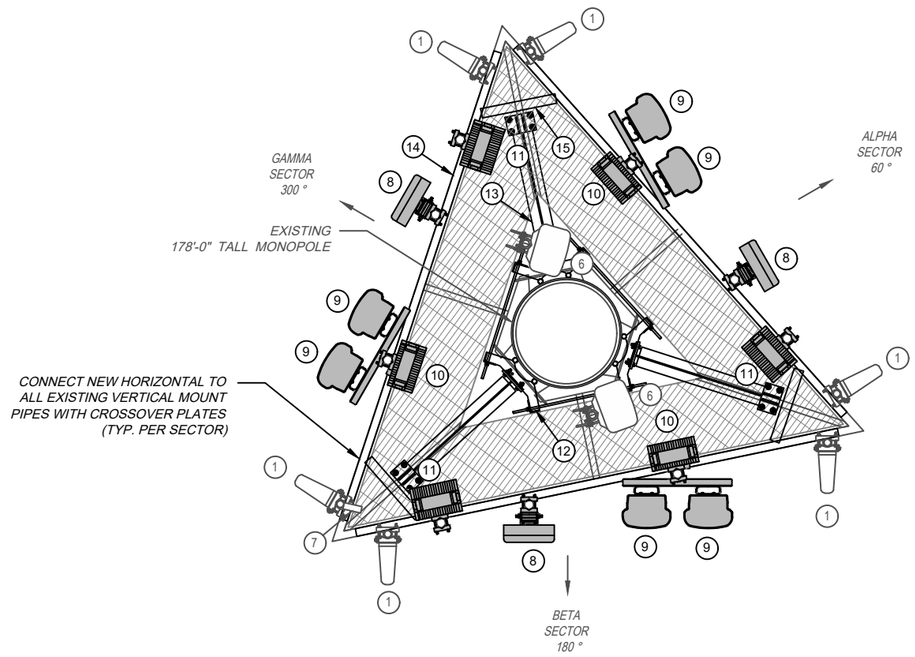
1. EXIST. ANTENNA (TO REMAIN) MODEL: ANTEL LPA-80080-4CF
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW SBNHH-1D65B
3. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHBA B13 RRH 4X30
4. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHFA B25 RRH 4X30
5. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHIC RRH 2X60-4R
6. EXIST. OVP BOX (TO REMAIN) MODEL: RAYCAP OVP-6
7. EXIST. GPS (TO REMAIN)
8. NEW ANTENNA MODEL: SAMSUNG MT6407-77A MOUNTED ON EXIST. PIPE MAST
9. NEW ANTENNA MOUNTED VIA NEW DUAL-MOUNT BRACKETS (JMA 91900314-02) MODEL: JMA MX06FRO660-03
10. NEW DUAL BAND RRH MODEL: SAMSUNG B5/B13 RRH-RF4440D-13A
11. NEW DUAL BAND RRH MODEL: SAMSUNG B2/B66A RRH- RF4439D-25A
12. PROPOSED MONOPOLE COLLAR MOUNT ASSEMBLY, PART # VZWSMART-PLK7 REFER TO ASSEMBLY AND MOUNT ANALYSIS BY MASER CONSULTING
13. PROPOSED KICKER KIT, PART # VZWSMART-PLK5 REFER TO ASSEMBLY AND MOUNT ANALYSIS BY MASER CONSULTING
14. PROPOSED 156" LONG P2 1/2 STD, REFER TO ASSEMBLY DRAWING AND MOUNT ANALYSIS BY MASER CONSULTING
15. PROPOSED 24" LONG L3X3X$\frac{1}{4}$, REFER TO ASSEMBLY DRAWING AND MOUNT ANALYSIS BY MASER CONSULTING



1 A-2 EXISTING ANTENNA PLAN

SCALE: 1/2" = 1'-0" (22"X34")
1/4" = 1'-0" (11"X17")

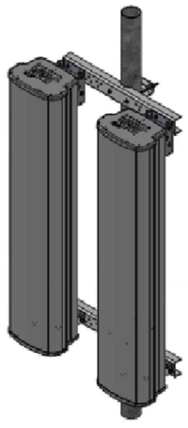
GRAPHIC SCALE
2 0 1 2 4 8
(IN FEET)



2 A-2 PROPOSED ANTENNA PLAN

SCALE: 1/2" = 1'-0" (22"X34")
1/4" = 1'-0" (11"X17")

GRAPHIC SCALE
2 0 1 2 4 8
(IN FEET)



3 A-2 DUAL ANTENNA BRACKET DETAIL

N.T.S.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

CENTERLINE ENGINEERING SERVICES, PA

750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	10/12/21	ISSUED FOR CONSTRUCTION
0	08/31/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
PLAINFIELD N CT

SITE ADDRESS:
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM

LOCATION CODE:
468830

SHEET TITLE:
ANTENNA CONFIGURATION & SCOPE OF WORK

SHEET #: A–2 REVISION: 1

BILL OF MATERIALS

ITEM	DESCRIPTION	QTY.	LENGTH	COMMENTS
1	L-SUB6 ANTENNA	3	-	(SAMSUNG MT6407-77A) MOUNTED TO EXISTING ANTENNA PIPE
2	LTE 700/850/PCS/AWS ANTENNA	6	-	(JMA MXO6FRO660-03) MOUNTED TO EXIST. PIPE MAST VIA NEW DUAL MOUNT BRACKETS (91900314-02)
3	1x2 LI HYBRID CABLE	3	15'	ROUTE FROM EXISTING UPPER OVP TO L-SUB6 ANTENNA
4	1/2" JUMPER CABLE	36	10'	ROUTE FROM NEW RRH TO ANTENNA
5	LTE 700/850 RRH	3	-	(SAMSUNG B5/B13 RRH-RF4440D-13A) MOUNTED TO EXISTING FRAME
6	LTE PCS/AWS RRH	3	-	(SAMSUNG B2/B66A RRH-RF4439D-25A) MOUNTED TO EXISTING FRAME
7	RRH CABLE(S)	6	15'	PROPRIETARY POWER & FIBER CABLES
8	6x12 LI HYBRID CABLE	2	160'	EXISTING TO REMAIN, ROUTED FROM LOWER OVP RACK TO EXISTING UPPER OVP BOXES
9	LOWER OVP6	2	-	LOWER OVP RACK MOUNTED WITHIN EXISTING RACK IN EQUIPMENT AREA

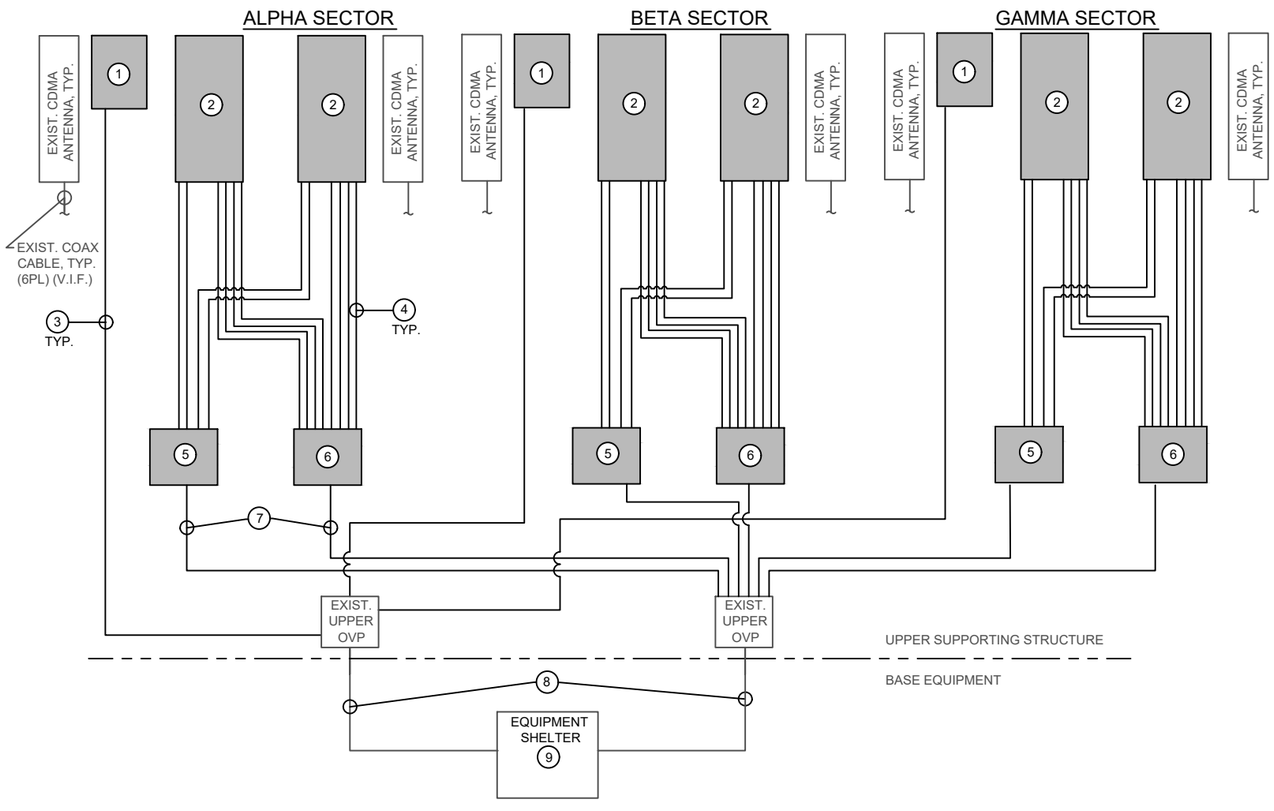
NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS DATED 08/13/21.
3. * REFER TO ASSEMBLY DRAWING AND MOUNTING ANALYSIS BY MASER CONSULTING (WHERE APPLICABLE)

EQUIPMENT DATA

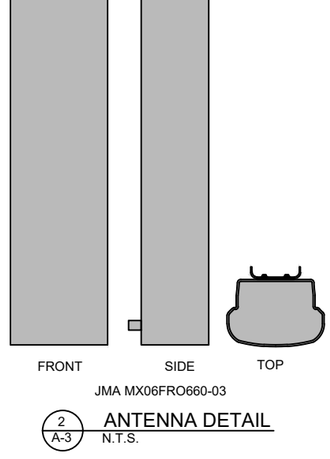
EQUIPMENT SPECIFICATIONS

SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	CDMA ANTEL LPA-80080-4CF	2	60	ETR	47.2	5.5	13.2	12.0
	SAMSUNG MT6407-77A	1	60	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	60	NEW	71.3	15.4	10.7	60.0
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	60	NEW	71.3	15.4	10.7	60.0
BETA	CDMA ANTEL LPA-80080-4CF	2	180	ETR	47.2	5.5	13.2	12.0
	SAMSUNG MT6407-77A	1	180	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	180	NEW	71.3	15.4	10.7	60.0
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	180	NEW	71.3	15.4	10.7	60.0
GAMMA	CDMA ANTEL LPA-80080-4CF	2	300	ETR	47.2	5.5	13.2	12.0
	SAMSUNG MT6407-77A	1	300	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	300	NEW	71.3	15.4	10.7	60.0
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	300	NEW	71.3	15.4	10.7	60.0
ALL	APPURTENANCE MAKE/MODEL							
	SAMSUNG B2/B66A RRH- RF4439D-25A	3	-	NEW	14.9	14.9	10.04	97.5
	SAMSUNG B5/B13 RRH- RF4440D-13A	3	-	NEW	14.9	14.9	8.14	82.0
	SAMSUNG MT6407-77A	3	-	NEW				
	RAYCAP OVP6	2	-	ETR				

NOTES:
1. "ETR" DENOTES EXISTING TO REMAIN.
2. WEIGHTS LISTED ARE WITHOUT MOUNTING BRACKET.
3. INFORMATION IS BASED ON RFDS DATED 08/13/21.

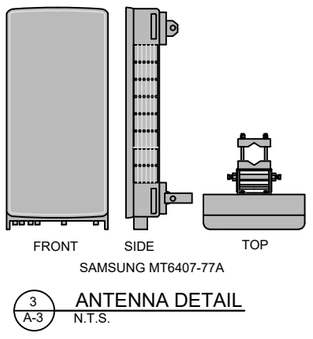


1 A-3 PLUMBING DIAGRAM
N.T.S.



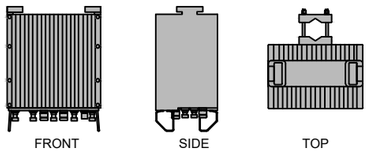
JMA MX06FRO660-03

2 A-3 ANTENNA DETAIL
N.T.S.



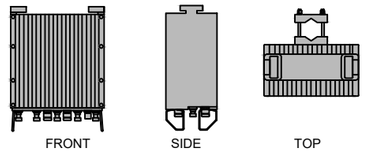
SAMSUNG MT6407-77A

3 A-3 ANTENNA DETAIL
N.T.S.



SAMSUNG B2/B66A RRH-RF4439D-25A

4 A-3 RRH DETAIL
N.T.S.



SAMSUNG B5/B13 RRH-RF4440D-13A

5 A-3 RRH DETAIL
N.T.S.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

CENTERLINE ENGINEERING SERVICES, PA

750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	10/12/21	ISSUED FOR CONSTRUCTION
0	08/31/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
PLAINFIELD N CT

SITE ADDRESS:
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM

LOCATION CODE:
468830

SHEET TITLE:
EQUIPMENT SPECIFICATIONS, BILL OF MATERIALS & PLUMBING DIAGRAM

SHEET #: A-3

REVISION: 1

STRUCTURAL NOTES:

1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
7. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
9. FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND DI.I. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL". 14TH EDITION.
11. INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
12. UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS. AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
14. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
15. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
16. WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
17. ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
18. NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
19. SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):

GENERAL: WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

SPECIAL INSPECTION CHECKLIST

CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
BEFORE CONSTRUCTION	
REQUIRED	MI CHECKLIST DRAWING
REQUIRED	ENGINEER OF RECORD APPROVED SHOP DRAWINGS [1]
REQUIRED	MATERIAL SPECIFICATIONS REPORT [2]
N/A	FABRICATOR NDE INSPECTION
REQUIRED	PACKING SLIPS [3]
ADDITIONAL TESTING AND INSPECTIONS:	
DURING CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS [4]
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION [5]
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
REQUIRED	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
REQUIRED	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS [6]
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
REQUIRED	VZW PMI DOCUMENTS
REQUIRED	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTES:

1. REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL.
2. PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.
3. PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.
4. HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C,D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.
5. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.
6. AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

CENTERLINE ENGINEERING SERVICES, PA

750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS		
1	10/12/21	ISSUED FOR CONSTRUCTION
0	08/31/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
PLAINFIELD N CT

SITE ADDRESS:
548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM

LOCATION CODE:
468830

SHEET TITLE:
STRUCTURAL NOTES

SHEET #: SN-1 | REVISION: 1

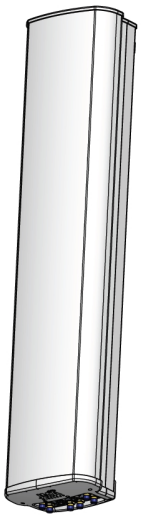
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

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

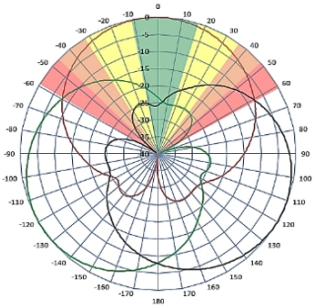


nwav

Fast Roll-Off antennas increase data throughput without compromising coverage

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

Non-FRO antenna



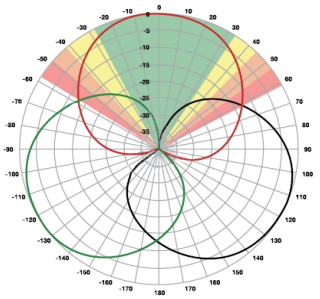
Large traditional antenna pattern overlap creates harmful interference.

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

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

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

JMA FRO antenna



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

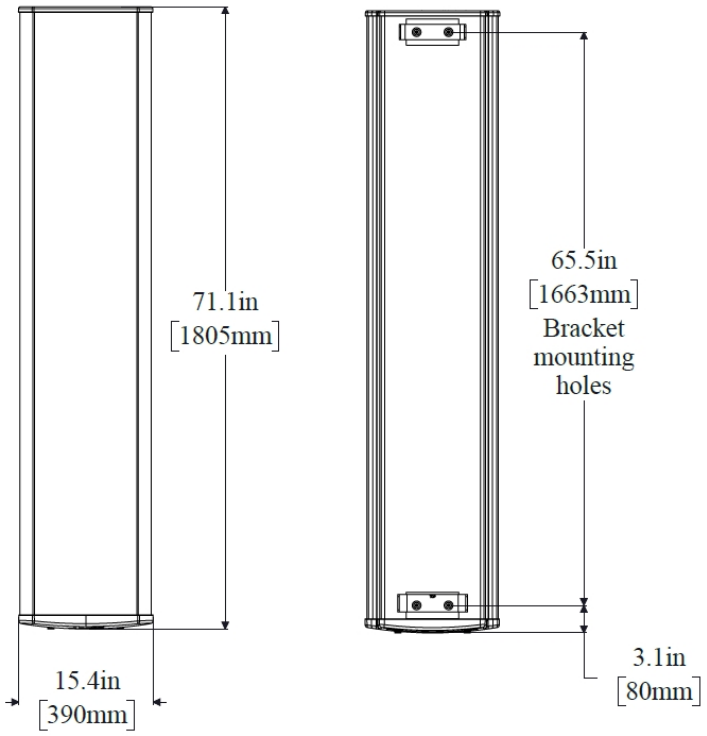
[1] Typical value over frequency and tilt

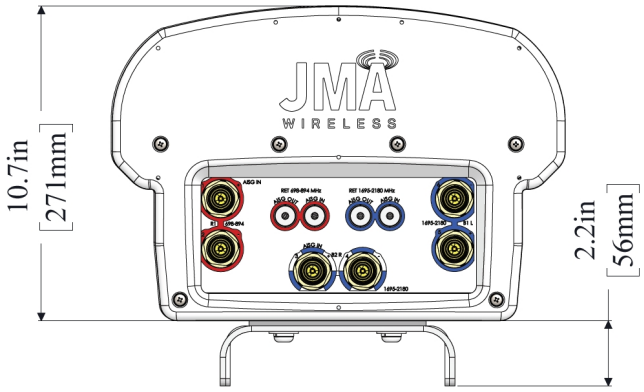
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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





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

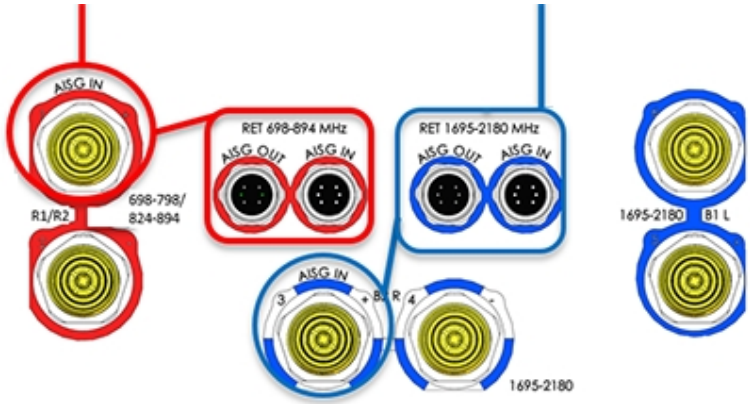
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

RET and RF connector topology

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

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

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

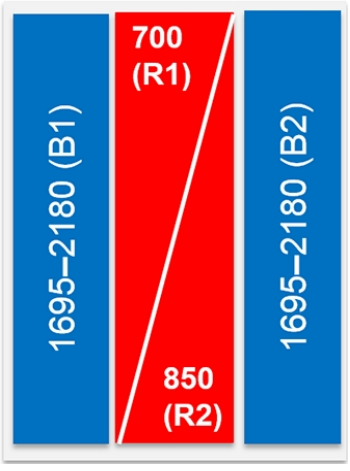


Array topology

3 sets of radiating arrays

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

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



SAMSUNG

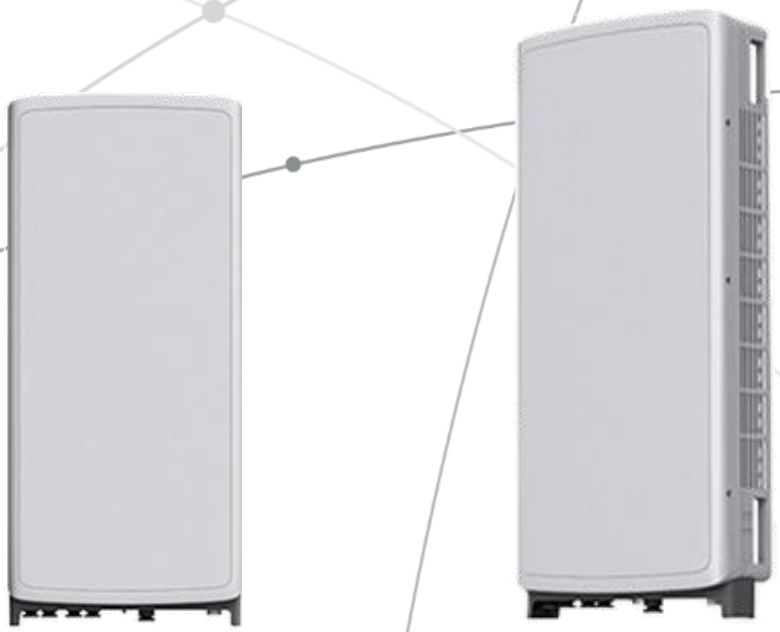
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

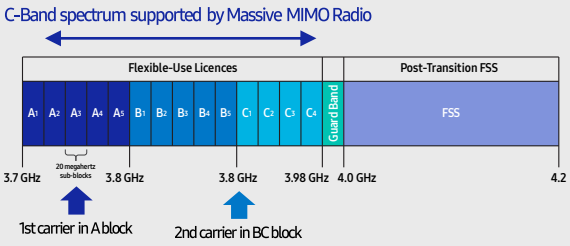


Points of Differentiation

Wide Bandwidth

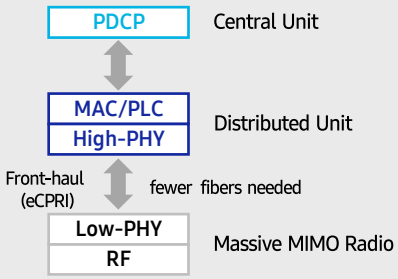
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

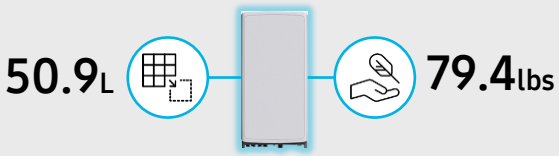
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

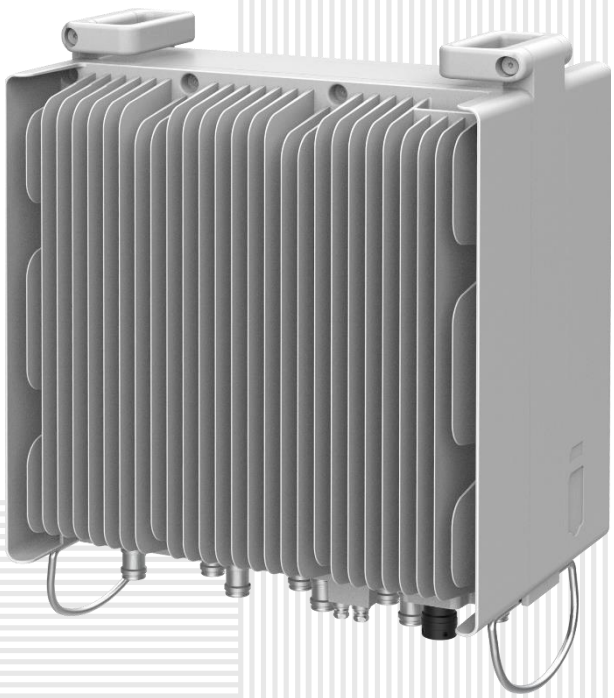
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

57196

Model Code	RF4439d-25A



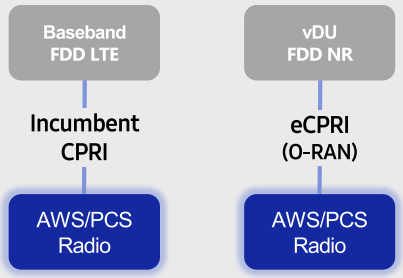
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

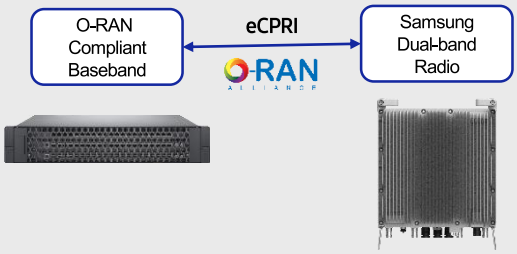
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

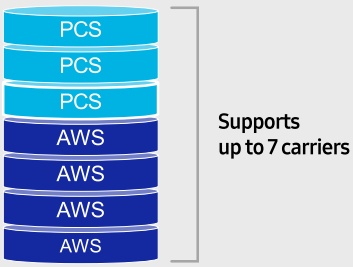
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

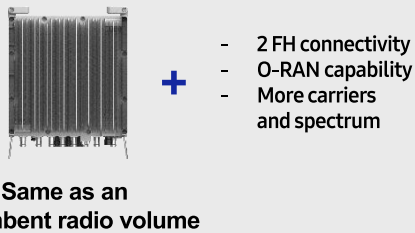
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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



Brand New Features in a Compact Size

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



Technical Specifications

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

SAMSUNG

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

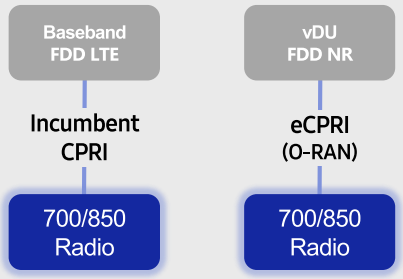
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

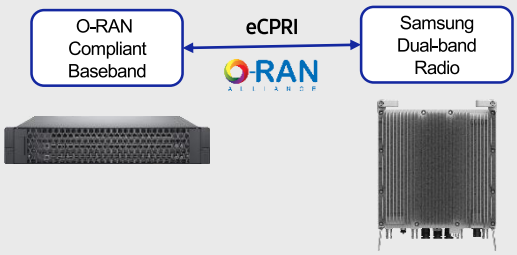
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

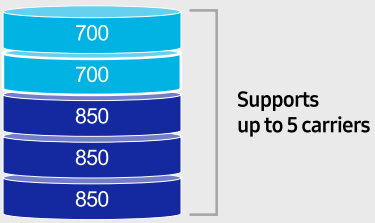
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



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.

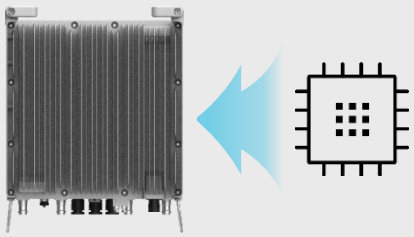
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



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

ATTACHMENT 3

	General	Power	Density					
Site Name: Plainfield N								
Tower Height: Verizon @ 125ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*AT&T	2	565	155	880	0.018304165	0.586666667	0.31%	
*AT&T	2	875	155	1900	0.028347159	1	0.28%	
*AT&T	1	283	155	880	0.004584141	0.586666667	0.08%	
*AT&T	4	525	155	1900	0.034016591	1	0.34%	
*AT&T	1	1771	155	734	0.028687325	0.489333333	0.59%	
*MetroPCS	3	443.61	135	2140	0.028759888	1	0.29%	
*Sprint	1	377	145.4	850	0.006976857	0.566666667	0.12%	
*Sprint	2	942	145.4	850	0.034865779	0.566666667	0.62%	
*Sprint	5	512	145.4	1900	0.047376006	1	0.47%	
*Sprint	2	1280	145.4	1900	0.047376006	1	0.47%	
*Sprint	8	778	145.4	2500	0.115182914	1	1.15%	
*T-Mobile	4	1280	165	1900	0.072831581	1	0.73%	
*T-Mobile	2	2560	165	1900	0.072831581	1	0.73%	
*T-Mobile	2	592	165	600	0.0168	0.4	0.42%	
*T-Mobile	1	1578	165	600	0.0224	0.4	0.56%	
*T-Mobile	2	695	165	700	0.0198	0.466666667	0.42%	
*Nextel	9	100	175	806	0.0113	0.537333333	0.21%	
VZW 700	**4**	**609**	**125**	**751**	**0.0056**	**0.5007**	**1.12%**	
VZW CDMA	**2**	**345**	**125**	**877.26**	**0.0016**	**0.5848**	**0.27%**	
VZW Cellular	**4**	**623**	**125**	**874**	**0.0057**	**0.5827**	**0.99%**	
VZW PCS	**4**	**1428**	**125**	**1977.5**	**0.0131**	**1.0000**	**1.31%**	
VZW AWS	**4**	**1530**	**125**	**2120**	**0.0141**	**1.0000**	**1.41%**	
VZW CBAND	**4**	**6531**	**125**	**3730.08**	**0.0601**	**1.0000**	**6.01%**	
								18.91%
* 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 178 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT00594-S

Customer Site Name: Plainfield North

Carrier Name: Verizon (App#: 171699, V1)

Carrier Site ID / Name: 118616 / PLAINFIELD_NORTH_CT

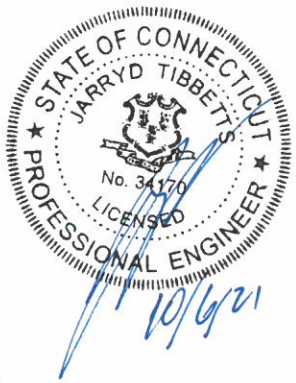
Site Location: 56 Roper Road

Plainfield, Connecticut

Windham County

Latitude: 41.746002

Longitude: -71.880158



Analysis Result:

Max Structural Usage: 85.1% [Pass]

Max Foundation Usage: 82.0% [Pass]

Additional Usage Caused by Mount Modification: +1.8%

Report Prepared By: Sital Shrestha

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
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Additional Usage Caused by Mount Modification: +1.8%

Report Prepared By: Sital Shrestha

Introduction

The purpose of this report is to summarize the analysis results on the 178 ft Valmont 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	Monopole original shaft section data by Valmont. Dated 09-11-1998. Project No F138. Order No 17665-98. Monopole previous structural report by FDH Engineering, Inc. Dated 03-28-2014. Project No 1425O21400.
Foundation Drawing	Monopole foundation mapping report by FDH Engineering, Inc. Dated 08-16-2012. Project No 1207132 EN1.
Geotechnical Report	Monopole geotechnical report by Jaworski Geotech, Inc. Dated 07-23-1998. Project No C98326G.
Modification Drawings	Tower previous modifications by Tower Engineering Solutions. Dated 11-25-2015. TES Project No 18414. Modification Inspection Report by Tower Engineering Solutions. Dated 03-21-2016. TES Project No 20244.
Mount Analysis	Mount Mod Drawing by Maser Consulting, Project No. 21777337A, dated 8/26/2021. Post Mod MA by Maser Consulting, Project No. 21777377A, dated 08/26/2021.

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} =135.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} =105.0 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:	B
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.171, S_1 = 0.061

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	165.0	3	RFS APXV18-206516S-C-A20 - Panel	Platform w/ Hand Rails & Reinforcement Kit PRK-1245 & PRK-SFS	(3) 1.9" Fiber (8) 1 5/8"	T-Mobile
2		3	Kathrein 782 11056			
3		3	RFS APXVAALL24-43-U-NA20 - Panel			
4		6	Ericsson KRY 112 489/2 TMAs			
5		3	Ericsson 4449 B71 + B85 RRUs			
6	155.0	1	Kathrein 800 10764 - Panel	Platform w/ Hand Rails	(12) 1 5/8" (2) 3/4" DC Power (1) 7/16" Fiber (1) 1/2"	AT&T
7		1	KMW AM-X-CD-17-65-00T - Panel			
8		1	Nokia CS72188.01			
9		6	Powerwave 7770 - Panel			
10		6	Powerwave LGP21401 TMAs			
11		6	Powerwave LGP21903 Diplexers			
12		1	Powerwave P65-17-XLH-RR - Panel			
13	152.5	6	Ericsson RRUS11 RRUs	Ring Mount (Part No LWRM)	-	-
14		1	Raycap DC2-48-60-18-8F			
15	145.0	3	ALU 1900 MHz - RRUs	Platform w/ Hand Rails w/ (1) SitePro platform reinforcement kit PRK-1245L and (1) SitePro v-brace kit PRk-SFS-H-L	(4) 1-1/4" Fiber	Sprint Nextel
16		6	ALU 800 MHz - RRUs			
17		3	ALU TD-RRH8x20-25 - RRUs			
18		3	RFS APXVTM14-C-I20 - Panel			
19		3	Commscope NNVV-65B-R4 - Panel			
20	135.0	3	JMA Wireless MX08FRO665-21 Panel	(1) Commscope MC-PK8-DSH Platform w/HRK	(1) 1.6" Hybrid	Dish Wireless
21		3	Fujitsu TA08025-B605 RRU			
22		3	Fujitsu TA08025-B604 RRU			
23		1	Raycap RDIDC-9181-PF-48 OVP			
-	125.0	6	Antel LPA-80080-4CF-EDIN-0 - Panel	Low Profile Platform	(11) 1 5/8" (2) 1 5/8" Hybrid (1) 1/2"	Verizon
-		6	Commscope SBNHH-1D65B - Panel			
-		3	ALU RRH2x60-700			
-		3	ALU RRH2x60-AWS			
-		3	ALU RRH2X60-PCS			
-		1	GPS			
-		2	RFS DB-T1-6Z-8AB-0Z			
-		6	RFS FD9R6004/2C-3L			

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
24	125.0	6	Antel LPA-80080-4CF-EDIN-0-Panel	(1) Low Profile Platform (3) JMA 91900314-02 (15) VZWSMART-MSK1 (1) VZWSMART-PLK7 (1) VZWSMART-PLK5 (3) L3x3x1/4 (3) P2 1/2 STD (6) HSS 3x2 1/2x1/4	(11) 1 5/8" Coax (2) 1 5/8" Fiber (1) 1/2" Coax	Verizon
25		6	JMA Wireless MX06FRO660-03- Panel			
26		3	Samsung MT6407-77A- Panel			
27		3	Samsung RF4439d-25A-RRH			
28		3	Samsung RF4440d-13A-RRH			
29		2	RFS DB-T1-6Z-8AB-0Z-OVP			
30		1	Lucent KS-24019-GPS @126'			

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:	**85.1%**	**73.0%**	**52.6%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	6032.4	50.1	123.3

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.2055 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.

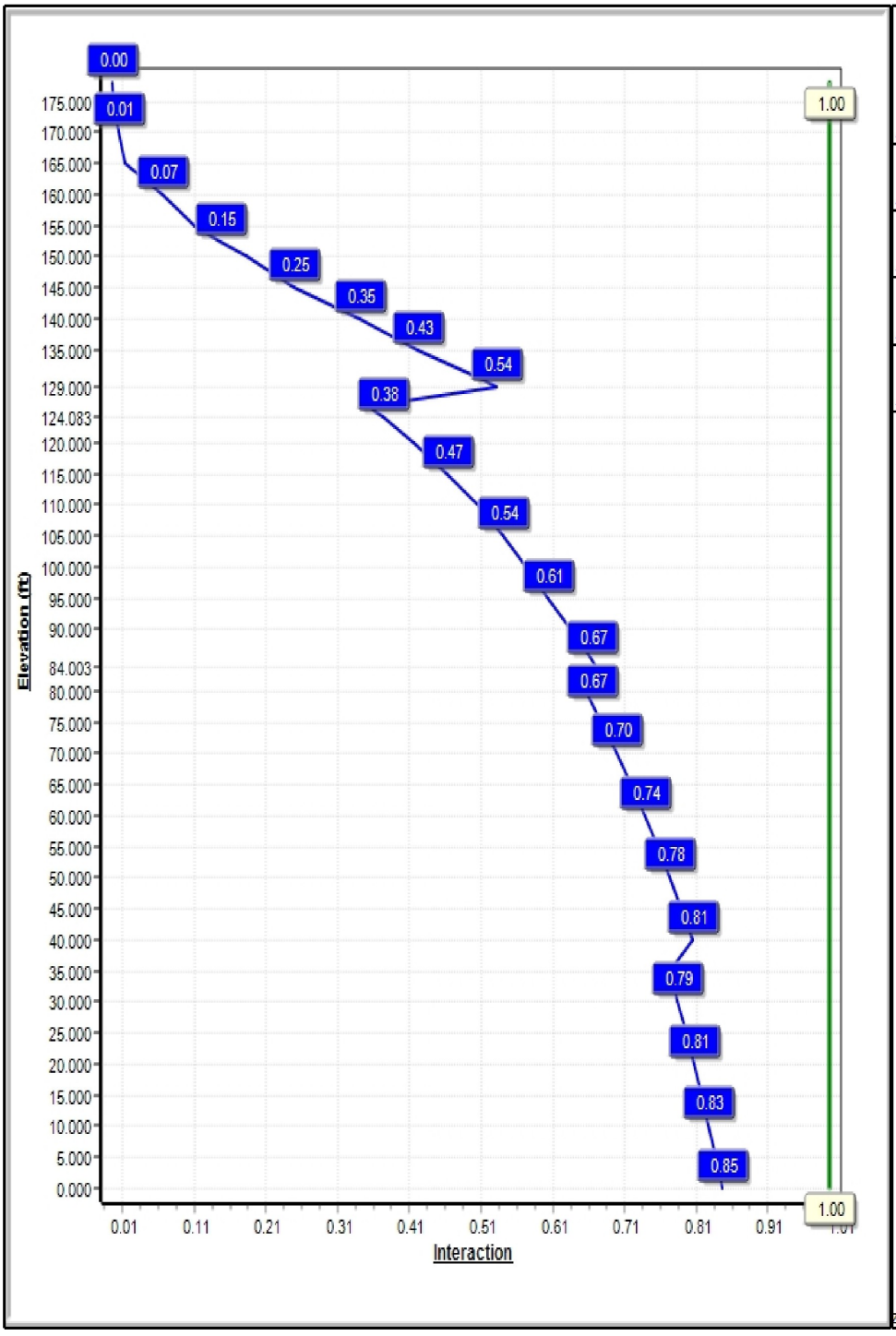
Usage Diagram - Max Ratio 85.10% at 0.0ft

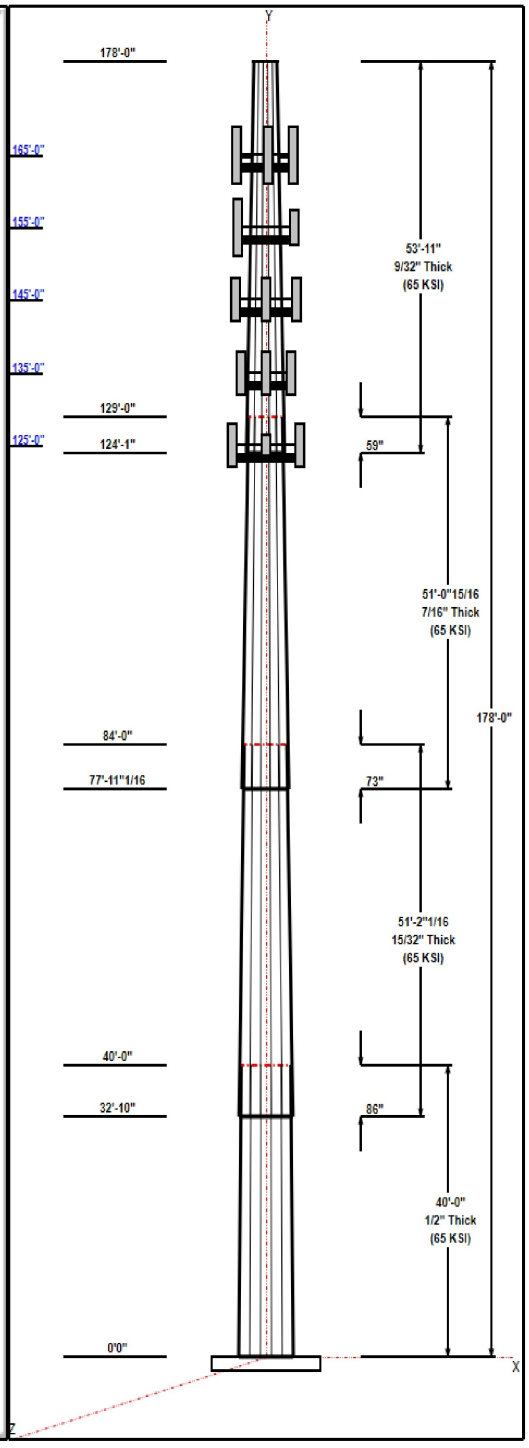
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North	**Exposure:**	B	
Height:	178.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Tower Engineering Solutions

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

Load Case : 1.2D + 1.6W 105 mph Wind





Structure: CT00594-S-SBA

Type: Tapered
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.22997

10/6/2021

Tower Engineering Solutions

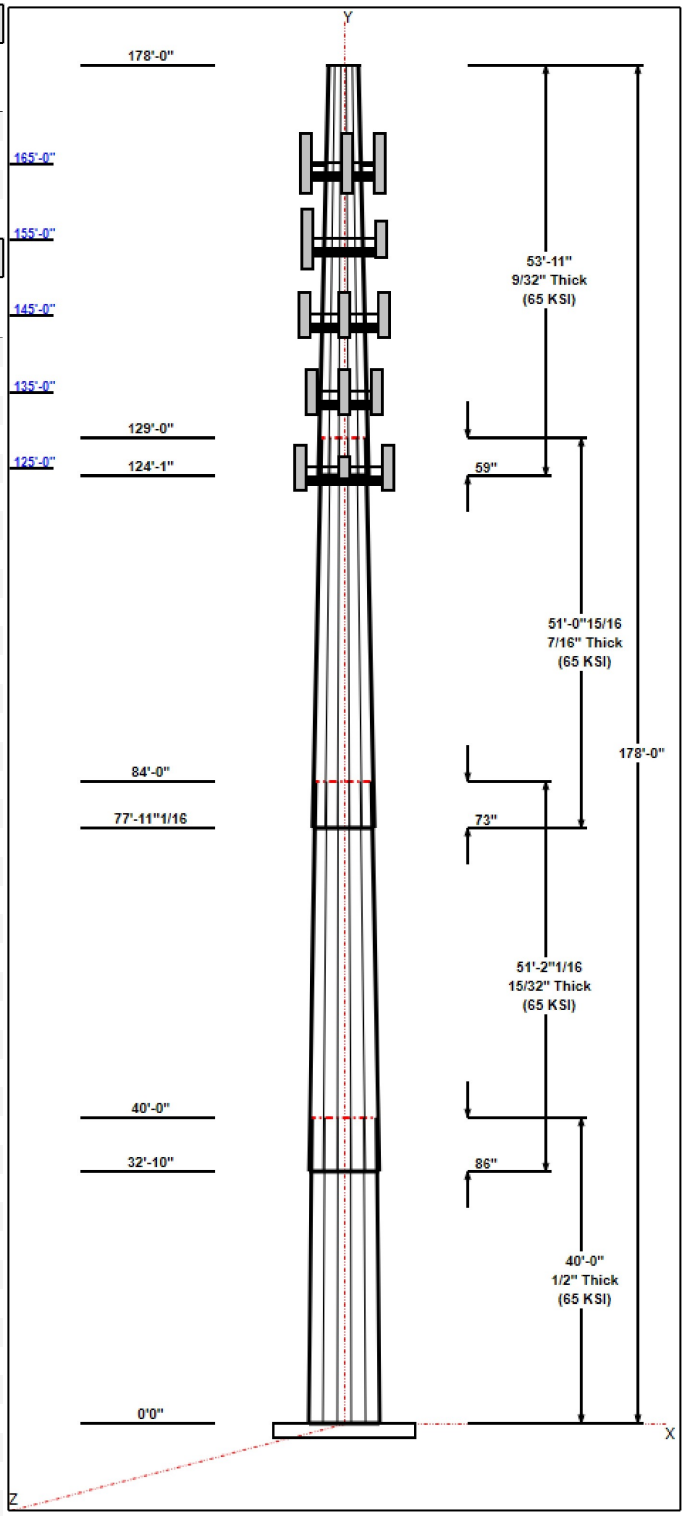
Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	40.00	49.05	58.25	0.500		0.22997	65
2	51.17	39.87	51.64	0.469	Slip	0.22997	65
3	51.08	30.40	42.14	0.438	Slip	0.22997	65
4	53.92	19.69	32.09	0.281	Slip	0.22997	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
165.00	165.00	3	RFS	T-Mobile
165.00	165.00	6	Ericsson KRY 112 489/2	T-Mobile
165.00	165.00	3	Ericsson 4449 B71 + B85	T-Mobile
165.00	165.00	1	(3) SFS-H-L (V-Braces)	T-Mobile
165.00	165.00	1	Platform w/ Hand Rails	T-Mobile
165.00	165.00	3	RFS	T-Mobile
165.00	165.00	3	Kathrein 782 11056	T-Mobile
165.00	165.00	3	Reinf. Kit (SitePro1	T-Mobile
155.00	155.00	1	Platform w/ Hand Rails	AT&T
155.00	155.00	6	Powerwave 7770	AT&T
155.00	155.00	1	KMW AM-X-CD-17-65-00T	AT&T
155.00	155.00	1	Powerwave	AT&T
155.00	155.00	1	Kathrein 800 10764	AT&T
155.00	155.00	1	Nokia CS72188.01	AT&T
155.00	155.00	6	Powerwave LGP21401	AT&T
155.00	155.00	6	Powerwave LGP21903	AT&T
152.50	152.50	6	Ericsson RRUS11 RRUs	---
152.50	152.50	1	Raycap DC2-48-60-18-8F	---
152.50	152.50	1	Ring Mount (Part No	---
145.00	145.00	3	ALU 1900 Mhz- RRUs	Sprint Nextel
145.00	145.00	6	ALU 800 Mhz- RRUs	Sprint Nextel
145.00	145.00	3	ALU TD-RRH8x20-25-	Sprint Nextel
145.00	145.00	1	Platform w/ Hand Rails	Sprint Nextel
145.00	145.00	3	APXVTM14-C-I20	Sprint Nextel
145.00	145.00	3	NNVV-65B-R4	Sprint Nextel
145.00	145.00	1	(3) SFS-H-L (V-Braces)	Sprint Nextel
145.00	145.00	1	PRK-1245 (kicker kit)	Sprint Nextel
135.00	135.00	3	MX08FRO665-21	Dish Wireless
135.00	135.00	1	MC-PK8-DSH	Dish Wireless
135.00	135.00	3	TA08025-B605	Dish Wireless
135.00	135.00	3	TA08025-B604	Dish Wireless
135.00	135.00	1	RDIDC-9181-PF-48	Dish Wireless
126.00	126.00	1	GPS	Verizon
125.00	125.00	6	MX06FRO660-03	Verizon
125.00	125.00	3	MT6407-77A	Verizon
125.00	125.00	3	RF4439d-25A	Verizon
125.00	125.00	3	RF4440d-13A	Verizon
125.00	125.00	1	Low Profile Platform	Verizon
125.00	125.00	1	Handrail Kit (P2 1/2 STD)	Verizon
125.00	125.00	1	VZWSMART	Verizon
125.00	125.00	1	VZWSMART	Verizon
125.00	125.00	6	Antel	Verizon
125.00	125.00	2	RFS DB-T1-6Z-8AB-0Z	Verizon

Linear Appurtenances



Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	165.00	Inside	1.9" Fiber	T-Mobile
3.00	165.00	Inside	1 5/8" Coax	T-Mobile
3.00	155.00	Inside	1 5/8" Coax	AT&T
3.00	155.00	Inside	1/2" Coax	AT&T
3.00	155.00	Inside	3/4" DC Power	AT&T
3.00	155.00	Inside	7/16" Fiber	AT&T
3.00	145.00	Inside	1-1/4" Fiber	Sprint Nextel
3.00	135.00	Inside	1.6" Hybrid	Dish Wireless
3.00	125.00	Outside	1 5/8" Coax	Verizon
3.00	125.00	Outside	1 5/8" Fiber	Verizon
3.00	125.00	Outside	1/2" Coax	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
24	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	72.8	60.0	Polygon

Reactions

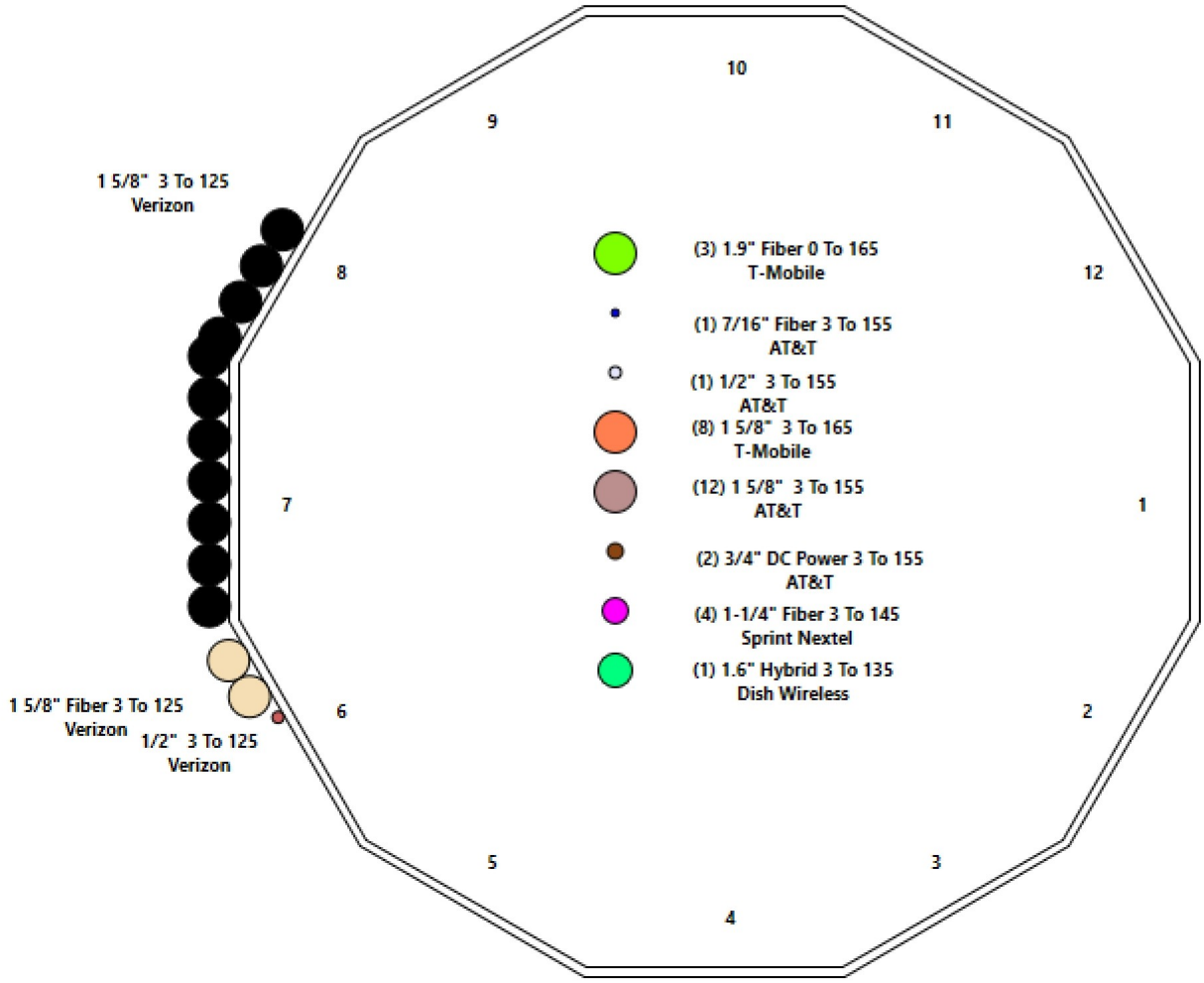
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 105 mph Wind	6031.8	50.1	70.1
0.9D + 1.6W 105 mph Wind	5951.0	50.1	52.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1439.3	10.8	123.3
1.2D + 1.0E	200.3	1.8	70.2
0.9D + 1.0E	197.4	1.8	52.7
1.0D + 1.0W 60 mph Wind	1222.5	10.2	58.5

Structure: CT00594-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Plainfield North
Height: 178.00 (ft)

10/6/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT00594-S-SBA		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	40.000	0.5000	65		0.00	11,647
2	12	51.170	0.4688	65	Slip	86.00	11,901
3	12	51.080	0.4375	65	Slip	73.00	8,774
4	12	53.917	0.2813	65	Slip	59.00	4,255
					Total Shaft Weight:		**36,577**

	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	58.25	0.00	92.98	39579.27	29.07	116.50	49.05	40.00	78.17	23518.5	24.14	98.10	0.229972
2	51.64	32.83	77.23	25809.44	27.37	110.16	39.87	84.00	59.47	11783.7	20.65	85.05	0.229972
3	42.14	77.92	58.75	13043.76	23.67	96.33	30.40	129.00	42.20	4834.88	16.47	69.48	0.229972
4	32.09	124.0	28.81	3720.03	28.43	114.10	19.69	178.00	17.58	845.14	16.62	70.01	0.229972

Load Summary

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	165.00	RFS APXVAALL24-43-U-NA20	3	122.80	20.24	0.70	723.66	22.831	0.70	0.00	0.00
2	165.00	Ericsson KRY 112 489/2	6	15.40	0.65	0.67	39.12	1.474	0.67	0.00	0.00
3	165.00	Ericsson 4449 B71 + B85	3	71.00	1.97	0.67	142.86	2.707	0.67	0.00	0.00
4	165.00	(3) SFS-H-L (V-Braces)	1	230.00	6.70	1.00	662.26	16.144	1.00	0.00	0.00
5	165.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	4819.09	68.191	1.00	0.00	0.00
6	165.00	RFS APXV18-206516S-C-A20	3	18.70	3.61	0.73	113.03	6.110	0.75	0.00	0.00
7	165.00	Kathrein 782 11056	3	1.80	0.13	0.78	5.14	0.523	0.78	0.00	0.00
8	165.00	Reinf. Kit (SitePro1 PRK-1245)	3	95.00	3.50	0.75	351.83	14.259	0.75	0.00	0.00
9	155.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	4801.52	68.015	1.00	0.00	0.00
10	155.00	Powerwave 7770	6	27.00	5.54	0.72	179.90	8.396	0.72	0.00	0.00
11	155.00	KMW AM-X-CD-17-65-00T	1	30.80	5.00	0.75	180.62	7.507	0.75	0.00	0.00
12	155.00	Powerwave P65-17-XLH-RR	1	59.00	11.44	0.75	348.75	15.767	0.75	0.00	0.00
13	155.00	Kathrein 800 10764	1	40.80	5.88	0.75	211.38	8.746	0.75	0.00	0.00
14	155.00	Nokia CS72188.01	1	19.80	1.32	0.67	58.65	2.439	0.67	0.00	0.00
15	155.00	Powerwave LGP21401 TMAs	6	14.10	1.29	0.67	47.54	2.408	0.67	0.00	0.00
16	155.00	Powerwave LGP21903 Diplexers	6	5.50	0.27	0.67	16.77	0.802	0.67	0.00	0.00
17	152.50	Ericsson RRUS11 RRUs	6	51.00	3.26	0.67	152.85	4.971	0.67	0.00	0.00
18	152.50	Raycap DC2-48-60-18-8F	1	32.80	1.47	1.00	115.37	2.405	1.00	0.00	0.00
19	152.50	Ring Mount (Part No LWRM)	1	150.00	5.00	1.00	317.82	9.662	1.00	0.00	0.00
20	145.00	ALU 1900 Mhz- RRUs	3	60.00	2.77	0.67	170.87	4.456	0.67	0.00	0.00
21	145.00	ALU 800 Mhz- RRUs	6	53.00	2.49	0.67	151.28	4.010	0.67	0.00	0.00
22	145.00	ALU TD-RRH8x20-25- RRUs	3	70.00	4.05	0.67	227.05	5.158	0.67	0.00	0.00
23	145.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	4782.89	67.829	1.00	0.00	0.00
24	145.00	APXVTM14-C-I20	3	56.20	6.34	0.77	283.73	7.851	0.77	0.00	0.00
25	145.00	NNVV-65B-R4	3	77.40	12.27	0.74	456.86	14.205	0.74	0.00	0.00
26	145.00	(3) SFS-H-L (V-Braces)	1	230.00	6.70	1.00	656.71	16.023	1.00	0.00	0.00
27	145.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	896.18	22.719	1.00	0.00	0.00
28	135.00	MX08FRO665-21	3	64.50	12.49	0.74	448.26	14.423	0.74	0.00	0.00
29	135.00	MC-PK8-DSH	1	1727.00	37.59	1.00	3953.86	99.909	1.00	0.00	0.00
30	135.00	TA08025-B605	3	75.00	1.96	0.67	144.01	2.700	0.67	0.00	0.00
31	135.00	TA08025-B604	3	63.90	1.96	0.67	130.70	2.700	0.67	0.00	0.00
32	135.00	RDIDC-9181-PF-48	1	21.85	2.01	1.00	91.94	2.760	1.00	0.00	0.00
33	126.00	GPS	1	4.00	1.00	1.00	19.37	1.933	1.00	0.00	0.00
34	125.00	MX06FRO660-03	6	60.00	9.87	0.87	429.01	11.702	0.87	0.00	0.00
35	125.00	MT6407-77A	3	87.10	4.69	0.70	253.96	5.948	0.70	0.00	0.00
36	125.00	RF4439d-25A	3	74.70	1.46	0.67	140.31	2.104	0.67	0.00	0.00
37	125.00	RF4440d-13A	3	70.33	1.46	0.67	132.10	2.104	0.67	0.00	0.00
38	125.00	Low Profile Platform w/Mods	1	1200.00	25.00	1.00	2570.95	52.419	1.00	0.00	0.00
39	125.00	Handrail Kit (P2 1/2 STD)	1	261.72	6.75	1.00	668.37	15.387	1.00	0.00	0.00
40	125.00	VZWSMART VZWSMART-PLK5	1	464.91	9.50	1.00	889.82	22.524	1.00	0.00	0.00
41	125.00	VZWSMART	1	150.60	2.50	1.00	425.89	5.927	1.00	0.00	0.00
42	125.00	Antel LPA-80080-4CF-EDIN-0	6	12.00	2.61	0.74	163.37	3.786	0.74	0.00	0.00
43	125.00	RFS DB-T1-6Z-8AB-0Z	2	44.00	4.10	1.00	363.30	5.149	1.00	0.00	0.00
		Totals:	**114**	**15,629.48**			**45,450.18**				

Linear Appurtenances

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**		**Exposed Width**		**Exposed**					
0.00	165.00	(3) 1.9" Fiber		0.00		Inside					
3.00	165.00	(8) 1 5/8" Coax		0.00		Inside					
3.00	155.00	(12) 1 5/8" Coax		0.00		Inside					
3.00	155.00	(1) 1/2" Coax		0.00		Inside					
3.00	155.00	(2) 3/4" DC Power		0.00		Inside					
3.00	155.00	(1) 7/16" Fiber		0.00		Inside					
3.00	145.00	(4) 1-1/4" Fiber		0.00		Inside					
3.00	135.00	(1) 1.6" Hybrid		0.00		Inside					
3.00	125.00	(11) 1 5/8" Coax		2.00		Outside					
3.00	125.00	(2) 1 5/8" Fiber		0.00		Outside					
3.00	125.00	(1) 1/2" Coax		0.00		Outside					

Shaft Section Properties

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.5000	58.250	92.978	39579.3	29.07	116.50	73.0	1312.	0.0
5.00		0.5000	57.100	91.126	37261.8	28.46	114.20	73.7	1260.	1566.2
10.00		0.5000	55.950	89.275	35036.7	27.84	111.90	74.4	1209.	1534.7
15.00		0.5000	54.800	87.424	32901.9	27.22	109.60	75.0	1159.	1503.2
20.00		0.5000	53.651	85.572	30855.7	26.61	107.30	75.7	1111.	1471.7
25.00		0.5000	52.501	83.721	28896.1	25.99	105.00	76.4	1063.	1440.2
30.00		0.5000	51.351	81.870	27021.3	25.38	102.70	77.0	1016.	1408.7
32.83	Bot - Section 2	0.5000	50.699	80.821	25995.8	25.03	101.40	77.4	990.5	784.3
35.00		0.5000	50.201	80.019	25229.4	24.76	100.40	77.7	970.9	1159.5
40.00	Top - Section 1	0.4688	49.989	74.744	23394.9	26.43	106.64	0.0	0.0	2632.1
45.00		0.4688	48.839	73.008	21802.8	25.77	104.19	76.6	862.4	1256.9
50.00		0.4688	47.689	71.273	20284.5	25.12	101.74	77.3	821.7	1227.4
55.00		0.4688	46.539	69.537	18838.5	24.46	99.28	78.0	782.0	1197.9
60.00		0.4688	45.389	67.802	17462.8	23.80	96.83	78.8	743.3	1168.3
65.00		0.4688	44.239	66.066	16155.9	23.14	94.38	79.5	705.5	1138.8
70.00		0.4688	43.089	64.331	14915.8	22.49	91.92	80.2	668.7	1109.3
75.00		0.4688	41.940	62.595	13740.8	21.83	89.47	80.9	632.9	1079.8
77.92	Bot - Section 3	0.4688	41.268	61.582	13084.1	21.45	88.04	81.3	612.5	616.9
80.00		0.4688	40.790	60.860	12629.2	21.17	87.02	81.6	598.1	846.8
84.00	Top - Section 2	0.4375	40.744	56.782	11774.7	22.81	93.13	0.0	0.0	1601.9
85.00		0.4375	40.515	56.459	11574.9	22.67	92.61	80.0	551.9	192.0
90.00		0.4375	39.365	54.839	10606.9	21.97	89.98	80.8	520.5	946.8
95.00		0.4375	38.215	53.219	9694.5	21.26	87.35	81.5	490.1	919.2
100.00		0.4375	37.065	51.599	8835.9	20.56	84.72	81.9	460.5	891.7
105.00		0.4375	35.915	49.980	8029.6	19.85	82.09	81.9	431.9	864.1
110.00		0.4375	34.766	48.360	7273.9	19.15	79.46	81.9	404.2	836.6
115.00		0.4375	33.616	46.740	6567.2	18.44	76.84	81.9	377.4	809.0
120.00		0.4375	32.466	45.120	5907.8	17.74	74.21	81.9	351.5	781.4
124.08	Bot - Section 4	0.4375	31.527	43.797	5403.2	17.17	72.06	81.9	331.1	617.7
125.00		0.4375	31.316	43.500	5294.1	17.04	71.58	81.9	326.6	225.7
126.00		0.4375	31.086	43.176	5176.7	16.90	71.05	81.9	321.7	244.5
129.00	Top - Section 3	0.2813	30.959	27.782	3337.3	27.35	110.08	0.0	0.0	722.6
130.00		0.2813	30.729	27.574	3262.8	27.13	109.26	75.1	205.1	94.2
135.00		0.2813	29.579	26.533	2906.9	26.04	105.17	76.3	189.9	460.3
140.00		0.2813	28.429	25.491	2577.9	24.94	101.08	77.5	175.2	442.6
145.00		0.2813	27.279	24.450	2274.7	23.85	96.99	78.7	161.1	424.8
150.00		0.2813	26.129	23.409	1996.2	22.75	92.90	79.9	147.6	407.1
152.50		0.2813	25.554	22.888	1866.0	22.20	90.86	80.5	141.1	196.9
155.00		0.2813	24.979	22.367	1741.5	21.65	88.82	81.1	134.7	192.5
160.00		0.2813	23.829	21.326	1509.4	20.56	84.73	81.9	122.4	371.7
165.00		0.2813	22.680	20.285	1298.9	19.46	80.64	81.9	110.6	354.0
170.00		0.2813	21.530	19.243	1109.0	18.37	76.55	81.9	99.5	336.3
175.00		0.2813	20.380	18.202	938.5	17.27	72.46	81.9	89.0	318.5
178.00		0.2813	19.690	17.577	845.1	16.62	70.01	81.9	82.9	182.6
										36577.3

Wind Loading - Shaft

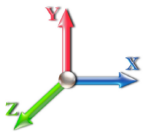
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	18.769	20.65	441.48	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	18.769	20.65	432.76	1.000	0.000	5.00	24.879	24.88	821.8	0.0	1879.4
10.00		1.00	0.70	18.769	20.65	424.05	1.000	0.000	5.00	24.383	24.38	805.5	0.0	1841.6
15.00		1.00	0.70	18.769	20.65	415.33	1.000	0.000	5.00	23.887	23.89	789.1	0.0	1803.8
20.00		1.00	0.70	18.769	20.65	406.62	1.000	0.000	5.00	23.391	23.39	772.7	0.0	1766.0
25.00		1.00	0.70	18.769	20.65	397.90	1.000	0.000	5.00	22.895	22.89	756.3	0.0	1728.2
30.00		1.00	0.70	18.785	20.66	389.35	1.000	0.000	5.00	22.399	22.40	740.5	0.0	1690.4
32.83	Bot - Section 2	1.00	0.72	19.275	21.20	389.40	1.000	0.000	2.83	12.473	12.47	423.1	0.0	941.1
35.00		1.00	0.73	19.631	21.59	389.11	1.000	0.000	2.17	9.606	9.61	331.9	0.0	1391.5
40.00	Top - Section 1	1.00	0.76	20.394	22.43	387.52	1.000	0.000	5.00	21.811	21.81	782.9	0.0	3158.6
45.00		1.00	0.79	21.092	23.20	392.39	1.000	0.000	5.00	21.315	21.32	791.3	0.0	1508.3
50.00		1.00	0.81	21.737	23.91	388.96	1.000	0.000	5.00	20.819	20.82	796.5	0.0	1472.9
55.00		1.00	0.83	22.337	24.57	384.79	1.000	0.000	5.00	20.323	20.32	799.0	0.0	1437.4
60.00		1.00	0.85	22.899	25.19	379.97	1.000	0.000	5.00	19.827	19.83	799.1	0.0	1402.0
65.00		1.00	0.87	23.429	25.77	374.61	1.000	0.000	5.00	19.331	19.33	797.1	0.0	1366.6
70.00		1.00	0.89	23.930	26.32	368.75	1.000	0.000	5.00	18.835	18.84	793.3	0.0	1331.1
75.00		1.00	0.91	24.406	26.85	362.47	1.000	0.000	5.00	18.339	18.34	787.8	0.0	1295.7
77.92	Bot - Section 3	1.00	0.92	24.674	27.14	358.62	1.000	0.000	2.92	10.481	10.48	455.1	0.0	740.3
80.00		1.00	0.93	24.861	27.35	355.80	1.000	0.000	2.08	7.520	7.52	329.0	0.0	1016.1
84.00	Top - Section 2	1.00	0.94	25.210	27.73	350.20	1.000	0.000	4.00	14.231	14.23	631.4	0.0	1922.3
85.00		1.00	0.94	25.295	27.82	356.47	1.000	0.000	1.00	3.494	3.49	155.5	0.0	230.4
90.00		1.00	0.96	25.711	28.28	349.19	1.000	0.000	5.00	17.229	17.23	779.6	0.0	1136.2
95.00		1.00	0.97	26.112	28.72	341.62	1.000	0.000	5.00	16.733	16.73	769.0	0.0	1103.1
100.00		1.00	0.99	26.497	29.15	333.78	1.000	0.000	5.00	16.237	16.24	757.2	0.0	1070.0
105.00		1.00	1.00	26.869	29.56	325.69	1.000	0.000	5.00	15.741	15.74	744.4	0.0	1037.0
110.00		1.00	1.02	27.229	29.95	317.36	1.000	0.000	5.00	15.245	15.24	730.6	0.0	1003.9
115.00		1.00	1.03	27.577	30.33	308.82	1.000	0.000	5.00	14.749	14.75	715.8	0.0	970.8
120.00		1.00	1.04	27.914	30.71	300.08	1.000	0.000	5.00	14.253	14.25	700.2	0.0	937.7
124.08	Bot - Section 4	1.00	1.05	28.182	31.00	292.79	1.000	0.000	4.08	11.272	11.27	559.1	0.0	741.3
125.00	Appurtenance(s)	1.00	1.05	28.242	31.07	291.14	1.000	0.000	0.92	2.529	2.53	125.7	0.0	270.8
126.00	Appurtenance(s)	1.00	1.06	28.306	31.14	289.33	1.000	0.000	1.00	2.740	2.74	136.5	0.0	293.4
129.00	Top - Section 3	1.00	1.06	28.497	31.35	283.86	1.000	0.000	3.00	8.102	8.10	406.4	0.0	867.1
130.00		1.00	1.07	28.560	31.42	287.29	1.000	0.000	1.00	2.661	2.66	133.8	0.0	113.0
135.00	Appurtenance(s)	1.00	1.08	28.869	31.76	278.03	1.000	0.000	5.00	13.007	13.01	660.9	0.0	552.3
140.00		1.00	1.09	29.171	32.09	268.61	1.000	0.000	5.00	12.511	12.51	642.3	0.0	531.1
145.00	Appurtenance(s)	1.00	1.10	29.465	32.41	259.05	1.000	0.000	5.00	12.015	12.02	623.1	0.0	509.8
150.00		1.00	1.11	29.752	32.73	249.33	1.000	0.000	5.00	11.519	11.52	603.2	0.0	488.6
152.50	Appurtenance(s)	1.00	1.11	29.893	32.88	244.42	1.000	0.000	2.50	5.574	5.57	293.2	0.0	236.3
155.00	Appurtenance(s)	1.00	1.12	30.032	33.03	239.48	1.000	0.000	2.50	5.450	5.45	288.0	0.0	231.0
160.00		1.00	1.13	30.305	33.34	229.49	1.000	0.000	5.00	10.527	10.53	561.5	0.0	446.0
165.00	Appurtenance(s)	1.00	1.14	30.573	33.63	219.38	1.000	0.000	5.00	10.031	10.03	539.8	0.0	424.8
170.00		1.00	1.15	30.835	33.92	209.15	1.000	0.000	5.00	9.535	9.54	517.5	0.0	403.5
175.00		1.00	1.16	31.091	34.20	198.80	1.000	0.000	5.00	9.039	9.04	494.6	0.0	382.3
178.00		1.00	1.17	31.243	34.37	192.54	1.000	0.000	3.00	5.185	5.19	285.1	0.0	219.1
								Totals:	**178.00**			**25,426.4**		**43,892.8**

Discrete Appurtenance Forces

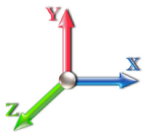
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	165.00	Platform w/ Hand Rails	1	30.573	33.630	1.00	1.00	40.00	2400.00	0.000	0.000	2152.34	0.00	0.00
2	165.00	Reinf. Kit (SitePro1	3	30.573	33.630	0.75	1.00	7.88	342.00	0.000	0.000	423.74	0.00	0.00
3	165.00	Kathrein 782 11056	3	30.573	33.630	0.58	0.75	0.23	6.48	0.000	0.000	12.28	0.00	0.00
4	165.00	RFS	3	30.573	33.630	0.55	0.75	5.93	67.32	0.000	0.000	319.05	0.00	0.00
5	165.00	(3) SFS-H-L (V-Braces)	1	30.573	33.630	1.00	1.00	6.70	276.00	0.000	0.000	360.52	0.00	0.00
6	165.00	Ericsson 4449 B71 + B85	3	30.573	33.630	0.50	0.75	2.97	255.60	0.000	0.000	159.80	0.00	0.00
7	165.00	Ericsson KRY 112 489/2	6	30.573	33.630	0.50	0.75	1.96	110.88	0.000	0.000	105.45	0.00	0.00
8	165.00	RFS	3	30.573	33.630	0.52	0.75	31.88	442.08	0.000	0.000	1715.31	0.00	0.00
9	155.00	KMW AM-X-CD-17-65-00T	1	30.032	33.035	0.56	0.75	2.81	36.96	0.000	0.000	148.66	0.00	0.00
10	155.00	Powerwave	1	30.032	33.035	0.56	0.75	6.43	70.80	0.000	0.000	340.13	0.00	0.00
11	155.00	Powerwave 7770	6	30.032	33.035	0.54	0.75	17.95	194.40	0.000	0.000	948.74	0.00	0.00
12	155.00	Platform w/ Hand Rails	1	30.032	33.035	1.00	1.00	40.00	2400.00	0.000	0.000	2114.24	0.00	0.00
13	155.00	Nokia CS72188.01	1	30.032	33.035	0.50	0.75	0.66	23.76	0.000	0.000	35.06	0.00	0.00
14	155.00	Kathrein 800 10764	1	30.032	33.035	0.56	0.75	3.31	48.96	0.000	0.000	174.82	0.00	0.00
15	155.00	Powerwave LGP21401	6	30.032	33.035	0.50	0.75	3.89	101.52	0.000	0.000	205.58	0.00	0.00
16	155.00	Powerwave LGP21903	6	30.032	33.035	0.50	0.75	0.81	39.60	0.000	0.000	43.03	0.00	0.00
17	152.50	Ring Mount (Part No	1	29.893	32.882	1.00	1.00	5.00	180.00	0.000	0.000	263.05	0.00	0.00
18	152.50	Raycap DC2-48-60-18-8F	1	29.893	32.882	0.90	0.90	1.32	39.36	0.000	0.000	69.60	0.00	0.00
19	152.50	Ericsson RRUS11 RRUs	6	29.893	32.882	0.60	0.90	11.79	367.20	0.000	0.000	620.53	0.00	0.00
20	145.00	ALU TD-RRH8x20-25-	3	29.465	32.411	0.50	0.75	6.11	252.00	0.000	0.000	316.61	0.00	0.00
21	145.00	ALU 800 Mhz- RRUs	6	29.465	32.411	0.50	0.75	7.51	381.60	0.000	0.000	389.32	0.00	0.00
22	145.00	ALU 1900 Mhz- RRUs	3	29.465	32.411	0.50	0.75	4.18	216.00	0.000	0.000	216.55	0.00	0.00
23	145.00	PRK-1245 (kicker kit)	1	29.465	32.411	1.00	1.00	9.50	557.89	0.000	0.000	492.65	0.00	0.00
24	145.00	(3) SFS-H-L (V-Braces)	1	29.465	32.411	1.00	1.00	6.70	276.00	0.000	0.000	347.45	0.00	0.00
25	145.00	NNVV-65B-R4	3	29.465	32.411	0.55	0.75	20.43	278.64	0.000	0.000	1059.44	0.00	0.00
26	145.00	APXVTM14-C-I20	3	29.465	32.411	0.58	0.75	10.98	202.32	0.000	0.000	569.61	0.00	0.00
27	145.00	Platform w/ Hand Rails	1	29.465	32.411	1.00	1.00	40.00	2400.00	0.000	0.000	2074.33	0.00	0.00
28	135.00	RDIDC-9181-PF-48	1	28.869	31.756	1.00	1.00	2.01	26.22	0.000	0.000	102.13	0.00	0.00
29	135.00	TA08025-B604	3	28.869	31.756	0.50	0.75	2.95	230.04	0.000	0.000	150.13	0.00	0.00
30	135.00	TA08025-B605	3	28.869	31.756	0.50	0.75	2.95	270.00	0.000	0.000	150.13	0.00	0.00
31	135.00	MC-PK8-DSH	1	28.869	31.756	1.00	1.00	37.59	2072.40	0.000	0.000	1909.96	0.00	0.00
32	135.00	MX08FRO665-21	3	28.869	31.756	0.55	0.75	20.80	232.20	0.000	0.000	1056.64	0.00	0.00
33	126.00	GPS	1	28.306	31.137	1.00	1.00	1.00	4.80	0.000	0.000	49.82	0.00	0.00
34	125.00	RFS DB-T1-6Z-8AB-0Z	2	28.242	31.066	0.80	0.80	6.56	105.60	0.000	0.000	326.07	0.00	0.00
35	125.00	Antel	6	28.242	31.066	0.56	0.75	8.73	86.40	0.000	0.000	433.75	0.00	0.00
36	125.00	VZWSMART	1	28.242	31.066	1.00	1.00	2.50	180.72	0.000	0.000	124.26	0.00	0.00
37	125.00	VZWSMART	1	28.242	31.066	1.00	1.00	9.50	557.89	0.000	0.000	472.20	0.00	0.00
38	125.00	Handrail Kit (P2 1/2 STD)	1	28.242	31.066	1.00	1.00	6.75	314.06	0.000	0.000	335.51	0.00	0.00
39	125.00	RF4440d-13A	3	28.242	31.066	0.50	0.75	2.20	253.19	0.000	0.000	109.40	0.00	0.00
40	125.00	RF4439d-25A	3	28.242	31.066	0.50	0.75	2.20	268.92	0.000	0.000	109.40	0.00	0.00
41	125.00	MT6407-77A	3	28.242	31.066	0.52	0.75	7.39	313.56	0.000	0.000	367.16	0.00	0.00
42	125.00	MX06FRO660-03	6	28.242	31.066	0.65	0.75	38.64	432.00	0.000	0.000	1920.66	0.00	0.00
43	125.00	Low Profile Platform	1	28.242	31.066	1.00	1.00	25.00	1440.00	0.000	0.000	1242.63	0.00	0.00
							Totals:		**18,755.38**			**24,537.76**		

Total Applied Force Summary

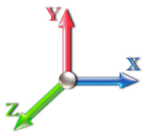
Structure:	CT00594-S-SBA		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		821.84	1996.29	0.00	0.00
10.00		805.45	2104.13	0.00	0.00
15.00		789.07	2066.33	0.00	0.00
20.00		772.68	2028.54	0.00	0.00
25.00		756.30	1990.74	0.00	0.00
30.00		740.54	1952.94	0.00	0.00
32.83		423.13	1089.89	0.00	0.00
35.00		331.87	1505.22	0.00	0.00
40.00		782.89	3421.09	0.00	0.00
45.00		791.27	1770.84	0.00	0.00
50.00		796.47	1735.41	0.00	0.00
55.00		798.96	1699.97	0.00	0.00
60.00		799.08	1664.54	0.00	0.00
65.00		797.12	1629.11	0.00	0.00
70.00		793.28	1593.67	0.00	0.00
75.00		787.77	1558.24	0.00	0.00
77.92		455.14	893.62	0.00	0.00
80.00		329.02	1125.33	0.00	0.00
84.00		631.43	2132.52	0.00	0.00
85.00		155.53	282.76	0.00	0.00
90.00		779.64	1398.70	0.00	0.00
95.00		768.98	1365.63	0.00	0.00
100.00		757.20	1332.56	0.00	0.00
105.00		744.37	1299.49	0.00	0.00
110.00		730.56	1266.42	0.00	0.00
115.00		715.83	1233.34	0.00	0.00
120.00		700.22	1200.27	0.00	0.00
124.08		559.09	955.69	0.00	0.00
125.00	(27) attachments	5566.77	4271.32	0.00	0.00
126.00	(1) attachments	186.34	334.13	0.00	0.00
129.00		406.35	974.96	0.00	0.00
130.00		133.75	148.97	0.00	0.00
135.00	(11) attachments	4029.89	3562.93	0.00	0.00
140.00		642.34	704.81	0.00	0.00
145.00	(21) attachments	6089.07	5248.00	0.00	0.00
150.00		603.18	639.40	0.00	0.00
152.50	(8) attachments	1246.42	898.28	0.00	0.00
155.00	(23) attachments	4298.29	3222.41	0.00	0.00
160.00		561.50	515.75	0.00	0.00
165.00	(23) attachments	5788.26	4394.85	0.00	0.00
170.00		517.47	403.51	0.00	0.00
175.00		494.63	382.25	0.00	0.00
178.00		285.13	219.15	0.00	0.00
	Totals:	**49,964.12**	**70,214.02**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

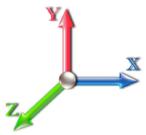
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	2.00	0.000	2.00	0.33	0.00	0.013	0.000	18.769	0.00	27.46
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	18.769	0.00	5.28
5.00	1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	18.769	0.00	0.38
10.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.034	0.000	18.769	0.00	68.64
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	18.769	0.00	13.20
10.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	18.769	0.00	0.96
15.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.035	0.000	18.769	0.00	68.64
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	18.769	0.00	13.20
15.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	18.769	0.00	0.96
20.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	18.769	0.00	68.64
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	13.20
20.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	0.96
25.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	18.769	0.00	68.64
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	13.20
25.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	0.96
30.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.037	0.000	18.785	0.00	68.64
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	18.785	0.00	13.20
30.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	18.785	0.00	0.96
32.83	1 5/8" Coax	Yes	2.83	0.000	2.00	0.47	0.00	0.038	0.000	19.275	0.00	38.90
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	19.275	0.00	7.48
32.83	1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	19.275	0.00	0.54
35.00	1 5/8" Coax	Yes	2.17	0.000	2.00	0.36	0.00	0.038	0.000	19.631	0.00	29.74
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	19.631	0.00	5.72
35.00	1/2" Coax	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	19.631	0.00	0.42
40.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	20.394	0.00	68.64
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	20.394	0.00	13.20
40.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	20.394	0.00	0.96
45.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	21.092	0.00	68.64
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	21.092	0.00	13.20
45.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	21.092	0.00	0.96
50.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.040	0.000	21.737	0.00	68.64
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	21.737	0.00	13.20
50.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	21.737	0.00	0.96
55.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.041	0.000	22.337	0.00	68.64
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	22.337	0.00	13.20
55.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	22.337	0.00	0.96
60.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.042	0.000	22.899	0.00	68.64
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.899	0.00	13.20
60.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.899	0.00	0.96
65.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.043	0.000	23.429	0.00	68.64
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.429	0.00	13.20
65.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.429	0.00	0.96
70.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.044	0.000	23.930	0.00	68.64
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.930	0.00	13.20
70.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.930	0.00	0.96
75.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.045	0.000	24.406	0.00	68.64
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	24.406	0.00	13.20

Linear Appurtenance Segment Forces (Factored)

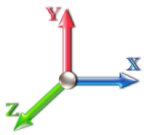
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
75.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	24.406	0.00	0.96
77.92	1 5/8" Coax	Yes	2.92	0.000	2.00	0.49	0.00	0.046	0.000	24.674	0.00	40.09
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	24.674	0.00	7.71
77.92	1/2" Coax	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	24.674	0.00	0.56
80.00	1 5/8" Coax	Yes	2.08	0.000	2.00	0.35	0.00	0.047	0.000	24.861	0.00	28.55
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	24.861	0.00	5.49
80.00	1/2" Coax	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	24.861	0.00	0.40
84.00	1 5/8" Coax	Yes	4.00	0.000	2.00	0.67	0.00	0.048	0.000	25.210	0.00	54.96
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	25.210	0.00	10.57
84.00	1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	25.210	0.00	0.77
85.00	1 5/8" Coax	Yes	1.00	0.000	2.00	0.17	0.00	0.048	0.000	25.295	0.00	13.68
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	25.295	0.00	2.63
85.00	1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	25.295	0.00	0.19
90.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.048	0.000	25.711	0.00	68.64
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.711	0.00	13.20
90.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.711	0.00	0.96
95.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.050	0.000	26.112	0.00	68.64
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	26.112	0.00	13.20
95.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	26.112	0.00	0.96
100.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.051	0.000	26.497	0.00	68.64
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.497	0.00	13.20
100.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.497	0.00	0.96
105.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.053	0.000	26.869	0.00	68.64
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	26.869	0.00	13.20
105.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	26.869	0.00	0.96
110.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.055	0.000	27.229	0.00	68.64
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	27.229	0.00	13.20
110.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	27.229	0.00	0.96
115.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.057	0.000	27.577	0.00	68.64
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	27.577	0.00	13.20
115.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	27.577	0.00	0.96
120.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.058	0.000	27.914	0.00	68.64
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	27.914	0.00	13.20
120.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	27.914	0.00	0.96
124.08	1 5/8" Coax	Yes	4.08	0.000	2.00	0.68	0.00	0.060	0.000	28.182	0.00	56.06
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	28.182	0.00	10.78
124.08	1/2" Coax	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	28.182	0.00	0.78
125.00	1 5/8" Coax	Yes	0.92	0.000	2.00	0.15	0.00	0.061	0.000	28.242	0.00	12.58
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	28.242	0.00	2.42
125.00	1/2" Coax	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	28.242	0.00	0.18
										Totals:	**0.0**	**2,020.3**

Calculated Forces

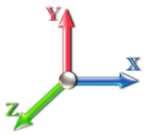
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-70.12	-50.10	0.00	-6031.7	0.00	6031.78	6109.19	3054.60	14553.3	7187.37	0.00	0.000	0.000	0.851
5.00	-67.94	-49.53	0.00	-5781.3	0.00	5781.30	6042.67	3021.34	14105.8	6966.35	0.11	-0.212	0.000	0.841
10.00	-65.65	-48.96	0.00	-5533.6	0.00	5533.68	5973.91	2986.96	13659.5	6745.94	0.45	-0.428	0.000	0.832
15.00	-63.41	-48.40	0.00	-5288.8	0.00	5288.89	5902.91	2951.46	13214.8	6526.30	1.02	-0.648	0.000	0.821
20.00	-61.20	-47.84	0.00	-5046.9	0.00	5046.92	5829.67	2914.84	12771.9	6307.60	1.82	-0.871	0.000	0.811
25.00	-59.04	-47.28	0.00	-4807.7	0.00	4807.74	5754.19	2877.10	12331.3	6089.98	2.85	-1.099	0.000	0.800
30.00	-56.95	-46.68	0.00	-4571.3	0.00	4571.34	5676.47	2838.24	11893.2	5873.62	4.13	-1.329	0.000	0.789
32.83	-55.78	-46.35	0.00	-4439.0	0.00	4439.07	5631.44	2815.72	11646.2	5751.63	4.96	-1.464	0.000	0.782
35.00	-54.14	-46.14	0.00	-4338.6	0.00	4338.65	5596.51	2798.26	11457.9	5658.66	5.65	-1.568	0.000	0.777
40.00	-50.56	-45.47	0.00	-4107.9	0.00	4107.96	5104.93	2552.47	10419.5	5145.84	7.42	-1.806	0.000	0.809
45.00	-48.62	-44.83	0.00	-3880.6	0.00	3880.63	5033.50	2516.75	10032.9	4954.92	9.44	-2.048	0.000	0.793
50.00	-46.73	-44.17	0.00	-3656.5	0.00	3656.51	4959.83	2479.91	9648.87	4765.22	11.71	-2.293	0.000	0.777
55.00	-44.87	-43.49	0.00	-3435.6	0.00	3435.68	4883.92	2441.96	9267.55	4576.90	14.25	-2.542	0.000	0.760
60.00	-43.06	-42.81	0.00	-3218.2	0.00	3218.23	4805.76	2402.88	8889.36	4390.12	17.04	-2.793	0.000	0.742
65.00	-41.29	-42.11	0.00	-3004.2	0.00	3004.20	4725.37	2362.69	8514.61	4205.04	20.11	-3.047	0.000	0.723
70.00	-39.56	-41.41	0.00	-2793.6	0.00	2793.65	4642.74	2321.37	8143.62	4021.83	23.43	-3.302	0.000	0.703
75.00	-37.90	-40.66	0.00	-2586.6	0.00	2586.62	4557.87	2278.94	7776.72	3840.63	27.03	-3.559	0.000	0.682
77.92	-36.95	-40.24	0.00	-2467.8	0.00	2467.89	4507.27	2253.64	7564.46	3735.80	29.25	-3.711	0.000	0.669
80.00	-35.74	-39.93	0.00	-2384.2	0.00	2384.20	4470.76	2235.38	7414.22	3661.61	30.89	-3.821	0.000	0.659
84.00	-33.56	-39.23	0.00	-2224.3	0.00	2224.33	4079.95	2039.98	6768.85	3342.88	34.18	-4.029	0.000	0.674
85.00	-33.19	-39.15	0.00	-2185.2	0.00	2185.23	4064.53	2032.27	6704.51	3311.11	35.03	-4.082	0.000	0.669
90.00	-31.68	-38.41	0.00	-1989.4	0.00	1989.49	3985.82	1992.91	6384.01	3152.82	39.44	-4.339	0.000	0.639
95.00	-30.21	-37.67	0.00	-1797.4	0.00	1797.44	3904.88	1952.44	6067.57	2996.54	44.12	-4.592	0.000	0.608
100.00	-28.78	-36.93	0.00	-1609.0	0.00	1609.09	3803.39	1901.70	5727.93	2828.81	49.06	-4.842	0.000	0.577
105.00	-27.40	-36.19	0.00	-1424.4	0.00	1424.43	3683.99	1842.00	5371.89	2652.97	54.25	-5.087	0.000	0.545
110.00	-26.07	-35.46	0.00	-1243.4	0.00	1243.47	3564.59	1782.30	5027.27	2482.78	59.70	-5.323	0.000	0.509
115.00	-24.77	-34.72	0.00	-1066.2	0.00	1066.20	3445.19	1722.60	4694.07	2318.23	65.39	-5.549	0.000	0.468
120.00	-23.54	-33.98	0.00	-892.60	0.00	892.60	3325.79	1662.90	4372.30	2159.32	71.31	-5.761	0.000	0.421
124.08	-22.59	-33.37	0.00	-753.84	0.00	753.84	3228.28	1614.14	4118.00	2033.73	76.30	-5.923	0.000	0.378
125.00	-18.90	-27.40	0.00	-723.25	0.00	723.25	3206.39	1603.20	4061.96	2006.05	77.44	-5.958	0.000	0.367
126.00	-18.55	-27.20	0.00	-695.85	0.00	695.85	3182.51	1591.26	4001.26	1976.07	78.69	-5.997	0.000	0.358
129.00	-17.59	-26.72	0.00	-614.24	0.00	614.24	1872.41	936.20	2368.25	1169.59	82.49	-6.105	0.000	0.535
130.00	-17.39	-26.61	0.00	-587.52	0.00	587.52	1864.30	932.15	2340.16	1155.72	83.77	-6.140	0.000	0.519
135.00	-14.21	-22.27	0.00	-454.47	0.00	454.47	1822.43	911.21	2200.41	1086.70	90.31	-6.367	0.000	0.427
140.00	-13.51	-21.59	0.00	-343.12	0.00	343.12	1778.31	889.16	2062.08	1018.38	97.08	-6.562	0.000	0.345
145.00	-8.97	-14.96	0.00	-235.16	0.00	235.16	1731.96	865.98	1925.47	950.92	104.02	-6.722	0.000	0.253
150.00	-8.39	-14.30	0.00	-160.36	0.00	160.36	1683.36	841.68	1790.92	884.47	111.12	-6.845	0.000	0.187
152.50	-7.63	-12.96	0.00	-124.61	0.00	124.61	1658.23	829.11	1724.52	851.67	114.71	-6.896	0.000	0.151
155.00	-4.94	-8.31	0.00	-92.22	0.00	92.22	1632.53	816.27	1658.75	819.19	118.32	-6.938	0.000	0.116
160.00	-4.49	-7.69	0.00	-50.68	0.00	50.68	1571.93	785.97	1521.98	751.65	125.61	-6.996	0.000	0.070
165.00	-0.84	-1.41	0.00	-12.22	0.00	12.22	1495.17	747.59	1376.14	679.62	132.93	-7.026	0.000	0.019
170.00	-0.50	-0.85	0.00	-5.17	0.00	5.17	1418.42	709.21	1237.64	611.22	140.28	-7.035	0.000	0.009
175.00	-0.18	-0.31	0.00	-0.93	0.00	0.93	1341.66	670.83	1106.49	546.45	147.63	-7.039	0.000	0.002
178.00	0.00	-0.29	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33	152.04	-7.039	0.000	0.000

Wind Loading - Shaft

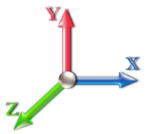
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	18.769	20.65	441.48	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	18.769	20.65	432.76	1.000	0.000	5.00	24.879	24.88	821.8	0.0	1409.5
10.00		1.00	0.70	18.769	20.65	424.05	1.000	0.000	5.00	24.383	24.38	805.5	0.0	1381.2
15.00		1.00	0.70	18.769	20.65	415.33	1.000	0.000	5.00	23.887	23.89	789.1	0.0	1352.8
20.00		1.00	0.70	18.769	20.65	406.62	1.000	0.000	5.00	23.391	23.39	772.7	0.0	1324.5
25.00		1.00	0.70	18.769	20.65	397.90	1.000	0.000	5.00	22.895	22.89	756.3	0.0	1296.2
30.00		1.00	0.70	18.785	20.66	389.35	1.000	0.000	5.00	22.399	22.40	740.5	0.0	1267.8
32.83	Bot - Section 2	1.00	0.72	19.275	21.20	389.40	1.000	0.000	2.83	12.473	12.47	423.1	0.0	705.8
35.00		1.00	0.73	19.631	21.59	389.11	1.000	0.000	2.17	9.606	9.61	331.9	0.0	1043.6
40.00	Top - Section 1	1.00	0.76	20.394	22.43	387.52	1.000	0.000	5.00	21.811	21.81	782.9	0.0	2368.9
45.00		1.00	0.79	21.092	23.20	392.39	1.000	0.000	5.00	21.315	21.32	791.3	0.0	1131.2
50.00		1.00	0.81	21.737	23.91	388.96	1.000	0.000	5.00	20.819	20.82	796.5	0.0	1104.7
55.00		1.00	0.83	22.337	24.57	384.79	1.000	0.000	5.00	20.323	20.32	799.0	0.0	1078.1
60.00		1.00	0.85	22.899	25.19	379.97	1.000	0.000	5.00	19.827	19.83	799.1	0.0	1051.5
65.00		1.00	0.87	23.429	25.77	374.61	1.000	0.000	5.00	19.331	19.33	797.1	0.0	1024.9
70.00		1.00	0.89	23.930	26.32	368.75	1.000	0.000	5.00	18.835	18.84	793.3	0.0	998.4
75.00		1.00	0.91	24.406	26.85	362.47	1.000	0.000	5.00	18.339	18.34	787.8	0.0	971.8
77.92	Bot - Section 3	1.00	0.92	24.674	27.14	358.62	1.000	0.000	2.92	10.481	10.48	455.1	0.0	555.2
80.00		1.00	0.93	24.861	27.35	355.80	1.000	0.000	2.08	7.520	7.52	329.0	0.0	762.1
84.00	Top - Section 2	1.00	0.94	25.210	27.73	350.20	1.000	0.000	4.00	14.231	14.23	631.4	0.0	1441.7
85.00		1.00	0.94	25.295	27.82	356.47	1.000	0.000	1.00	3.494	3.49	155.5	0.0	172.8
90.00		1.00	0.96	25.711	28.28	349.19	1.000	0.000	5.00	17.229	17.23	779.6	0.0	852.1
95.00		1.00	0.97	26.112	28.72	341.62	1.000	0.000	5.00	16.733	16.73	769.0	0.0	827.3
100.00		1.00	0.99	26.497	29.15	333.78	1.000	0.000	5.00	16.237	16.24	757.2	0.0	802.5
105.00		1.00	1.00	26.869	29.56	325.69	1.000	0.000	5.00	15.741	15.74	744.4	0.0	777.7
110.00		1.00	1.02	27.229	29.95	317.36	1.000	0.000	5.00	15.245	15.24	730.6	0.0	752.9
115.00		1.00	1.03	27.577	30.33	308.82	1.000	0.000	5.00	14.749	14.75	715.8	0.0	728.1
120.00		1.00	1.04	27.914	30.71	300.08	1.000	0.000	5.00	14.253	14.25	700.2	0.0	703.3
124.08	Bot - Section 4	1.00	1.05	28.182	31.00	292.79	1.000	0.000	4.08	11.272	11.27	559.1	0.0	556.0
125.00	Appurtenance(s)	1.00	1.05	28.242	31.07	291.14	1.000	0.000	0.92	2.529	2.53	125.7	0.0	203.1
126.00	Appurtenance(s)	1.00	1.06	28.306	31.14	289.33	1.000	0.000	1.00	2.740	2.74	136.5	0.0	220.0
129.00	Top - Section 3	1.00	1.06	28.497	31.35	283.86	1.000	0.000	3.00	8.102	8.10	406.4	0.0	650.3
130.00		1.00	1.07	28.560	31.42	287.29	1.000	0.000	1.00	2.661	2.66	133.8	0.0	84.8
135.00	Appurtenance(s)	1.00	1.08	28.869	31.76	278.03	1.000	0.000	5.00	13.007	13.01	660.9	0.0	414.3
140.00		1.00	1.09	29.171	32.09	268.61	1.000	0.000	5.00	12.511	12.51	642.3	0.0	398.3
145.00	Appurtenance(s)	1.00	1.10	29.465	32.41	259.05	1.000	0.000	5.00	12.015	12.02	623.1	0.0	382.4
150.00		1.00	1.11	29.752	32.73	249.33	1.000	0.000	5.00	11.519	11.52	603.2	0.0	366.4
152.50	Appurtenance(s)	1.00	1.11	29.893	32.88	244.42	1.000	0.000	2.50	5.574	5.57	293.2	0.0	177.2
155.00	Appurtenance(s)	1.00	1.12	30.032	33.03	239.48	1.000	0.000	2.50	5.450	5.45	288.0	0.0	173.2
160.00		1.00	1.13	30.305	33.34	229.49	1.000	0.000	5.00	10.527	10.53	561.5	0.0	334.5
165.00	Appurtenance(s)	1.00	1.14	30.573	33.63	219.38	1.000	0.000	5.00	10.031	10.03	539.8	0.0	318.6
170.00		1.00	1.15	30.835	33.92	209.15	1.000	0.000	5.00	9.535	9.54	517.5	0.0	302.6
175.00		1.00	1.16	31.091	34.20	198.80	1.000	0.000	5.00	9.039	9.04	494.6	0.0	286.7
178.00		1.00	1.17	31.243	34.37	192.54	1.000	0.000	3.00	5.185	5.19	285.1	0.0	164.4
								Totals:	**178.00**			**25,426.4**		**32,919.6**

Discrete Appurtenance Forces

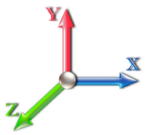
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	165.00	Platform w/ Hand Rails	1	30.573	33.630	1.00	1.00	40.00	1800.00	0.000	0.000	2152.34	0.00	0.00
2	165.00	Reinf. Kit (SitePro1	3	30.573	33.630	0.75	1.00	7.88	256.50	0.000	0.000	423.74	0.00	0.00
3	165.00	Kathrein 782 11056	3	30.573	33.630	0.58	0.75	0.23	4.86	0.000	0.000	12.28	0.00	0.00
4	165.00	RFS	3	30.573	33.630	0.55	0.75	5.93	50.49	0.000	0.000	319.05	0.00	0.00
5	165.00	(3) SFS-H-L (V-Braces)	1	30.573	33.630	1.00	1.00	6.70	207.00	0.000	0.000	360.52	0.00	0.00
6	165.00	Ericsson 4449 B71 + B85	3	30.573	33.630	0.50	0.75	2.97	191.70	0.000	0.000	159.80	0.00	0.00
7	165.00	Ericsson KRY 112 489/2	6	30.573	33.630	0.50	0.75	1.96	83.16	0.000	0.000	105.45	0.00	0.00
8	165.00	RFS	3	30.573	33.630	0.52	0.75	31.88	331.56	0.000	0.000	1715.31	0.00	0.00
9	155.00	KMW AM-X-CD-17-65-00T	1	30.032	33.035	0.56	0.75	2.81	27.72	0.000	0.000	148.66	0.00	0.00
10	155.00	Powerwave	1	30.032	33.035	0.56	0.75	6.43	53.10	0.000	0.000	340.13	0.00	0.00
11	155.00	Powerwave 7770	6	30.032	33.035	0.54	0.75	17.95	145.80	0.000	0.000	948.74	0.00	0.00
12	155.00	Platform w/ Hand Rails	1	30.032	33.035	1.00	1.00	40.00	1800.00	0.000	0.000	2114.24	0.00	0.00
13	155.00	Nokia CS72188.01	1	30.032	33.035	0.50	0.75	0.66	17.82	0.000	0.000	35.06	0.00	0.00
14	155.00	Kathrein 800 10764	1	30.032	33.035	0.56	0.75	3.31	36.72	0.000	0.000	174.82	0.00	0.00
15	155.00	Powerwave LGP21401	6	30.032	33.035	0.50	0.75	3.89	76.14	0.000	0.000	205.58	0.00	0.00
16	155.00	Powerwave LGP21903	6	30.032	33.035	0.50	0.75	0.81	29.70	0.000	0.000	43.03	0.00	0.00
17	152.50	Ring Mount (Part No	1	29.893	32.882	1.00	1.00	5.00	135.00	0.000	0.000	263.05	0.00	0.00
18	152.50	Raycap DC2-48-60-18-8F	1	29.893	32.882	0.90	0.90	1.32	29.52	0.000	0.000	69.60	0.00	0.00
19	152.50	Ericsson RRUS11 RRUs	6	29.893	32.882	0.60	0.90	11.79	275.40	0.000	0.000	620.53	0.00	0.00
20	145.00	ALU TD-RRH8x20-25-	3	29.465	32.411	0.50	0.75	6.11	189.00	0.000	0.000	316.61	0.00	0.00
21	145.00	ALU 800 Mhz- RRUs	6	29.465	32.411	0.50	0.75	7.51	286.20	0.000	0.000	389.32	0.00	0.00
22	145.00	ALU 1900 Mhz- RRUs	3	29.465	32.411	0.50	0.75	4.18	162.00	0.000	0.000	216.55	0.00	0.00
23	145.00	PRK-1245 (kicker kit)	1	29.465	32.411	1.00	1.00	9.50	418.42	0.000	0.000	492.65	0.00	0.00
24	145.00	(3) SFS-H-L (V-Braces)	1	29.465	32.411	1.00	1.00	6.70	207.00	0.000	0.000	347.45	0.00	0.00
25	145.00	NNVV-65B-R4	3	29.465	32.411	0.55	0.75	20.43	208.98	0.000	0.000	1059.44	0.00	0.00
26	145.00	APXVTM14-C-I20	3	29.465	32.411	0.58	0.75	10.98	151.74	0.000	0.000	569.61	0.00	0.00
27	145.00	Platform w/ Hand Rails	1	29.465	32.411	1.00	1.00	40.00	1800.00	0.000	0.000	2074.33	0.00	0.00
28	135.00	RDIDC-9181-PF-48	1	28.869	31.756	1.00	1.00	2.01	19.67	0.000	0.000	102.13	0.00	0.00
29	135.00	TA08025-B604	3	28.869	31.756	0.50	0.75	2.95	172.53	0.000	0.000	150.13	0.00	0.00
30	135.00	TA08025-B605	3	28.869	31.756	0.50	0.75	2.95	202.50	0.000	0.000	150.13	0.00	0.00
31	135.00	MC-PK8-DSH	1	28.869	31.756	1.00	1.00	37.59	1554.30	0.000	0.000	1909.96	0.00	0.00
32	135.00	MX08FRO665-21	3	28.869	31.756	0.55	0.75	20.80	174.15	0.000	0.000	1056.64	0.00	0.00
33	126.00	GPS	1	28.306	31.137	1.00	1.00	1.00	3.60	0.000	0.000	49.82	0.00	0.00
34	125.00	RFS DB-T1-6Z-8AB-0Z	2	28.242	31.066	0.80	0.80	6.56	79.20	0.000	0.000	326.07	0.00	0.00
35	125.00	Antel	6	28.242	31.066	0.56	0.75	8.73	64.80	0.000	0.000	433.75	0.00	0.00
36	125.00	VZWSMART	1	28.242	31.066	1.00	1.00	2.50	135.54	0.000	0.000	124.26	0.00	0.00
37	125.00	VZWSMART	1	28.242	31.066	1.00	1.00	9.50	418.42	0.000	0.000	472.20	0.00	0.00
38	125.00	Handrail Kit (P2 1/2 STD)	1	28.242	31.066	1.00	1.00	6.75	235.55	0.000	0.000	335.51	0.00	0.00
39	125.00	RF4440d-13A	3	28.242	31.066	0.50	0.75	2.20	189.89	0.000	0.000	109.40	0.00	0.00
40	125.00	RF4439d-25A	3	28.242	31.066	0.50	0.75	2.20	201.69	0.000	0.000	109.40	0.00	0.00
41	125.00	MT6407-77A	3	28.242	31.066	0.52	0.75	7.39	235.17	0.000	0.000	367.16	0.00	0.00
42	125.00	MX06FRO660-03	6	28.242	31.066	0.65	0.75	38.64	324.00	0.000	0.000	1920.66	0.00	0.00
43	125.00	Low Profile Platform	1	28.242	31.066	1.00	1.00	25.00	1080.00	0.000	0.000	1242.63	0.00	0.00
							Totals:		**14,066.53**			**24,537.76**		

Total Applied Force Summary

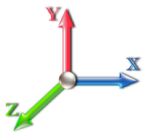
Structure:	CT00594-S-SBA		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		821.84	1497.21	0.00	0.00
10.00		805.45	1578.10	0.00	0.00
15.00		789.07	1549.75	0.00	0.00
20.00		772.68	1521.40	0.00	0.00
25.00		756.30	1493.06	0.00	0.00
30.00		740.54	1464.71	0.00	0.00
32.83		423.13	817.42	0.00	0.00
35.00		331.87	1128.91	0.00	0.00
40.00		782.89	2565.82	0.00	0.00
45.00		791.27	1328.13	0.00	0.00
50.00		796.47	1301.56	0.00	0.00
55.00		798.96	1274.98	0.00	0.00
60.00		799.08	1248.40	0.00	0.00
65.00		797.12	1221.83	0.00	0.00
70.00		793.28	1195.25	0.00	0.00
75.00		787.77	1168.68	0.00	0.00
77.92		455.14	670.22	0.00	0.00
80.00		329.02	843.99	0.00	0.00
84.00		631.43	1599.39	0.00	0.00
85.00		155.53	212.07	0.00	0.00
90.00		779.64	1049.03	0.00	0.00
95.00		768.98	1024.22	0.00	0.00
100.00		757.20	999.42	0.00	0.00
105.00		744.37	974.62	0.00	0.00
110.00		730.56	949.81	0.00	0.00
115.00		715.83	925.01	0.00	0.00
120.00		700.22	900.20	0.00	0.00
124.08		559.09	716.77	0.00	0.00
125.00	(27) attachments	5566.77	3203.49	0.00	0.00
126.00	(1) attachments	186.34	250.60	0.00	0.00
129.00		406.35	731.22	0.00	0.00
130.00		133.75	111.72	0.00	0.00
135.00	(11) attachments	4029.89	2672.20	0.00	0.00
140.00		642.34	528.61	0.00	0.00
145.00	(21) attachments	6089.07	3936.00	0.00	0.00
150.00		603.18	479.55	0.00	0.00
152.50	(8) attachments	1246.42	673.71	0.00	0.00
155.00	(23) attachments	4298.29	2416.81	0.00	0.00
160.00		561.50	386.82	0.00	0.00
165.00	(23) attachments	5788.26	3296.14	0.00	0.00
170.00		517.47	302.63	0.00	0.00
175.00		494.63	286.69	0.00	0.00
178.00		285.13	164.36	0.00	0.00
	Totals:	**49,964.12**	**52,660.51**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

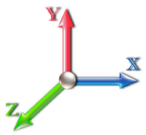
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	2.00	0.000	2.00	0.33	0.00	0.013	0.000	18.769	0.00	20.59
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	18.769	0.00	3.96
5.00	1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	18.769	0.00	0.29
10.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.034	0.000	18.769	0.00	51.48
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	18.769	0.00	9.90
10.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	18.769	0.00	0.72
15.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.035	0.000	18.769	0.00	51.48
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	18.769	0.00	9.90
15.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	18.769	0.00	0.72
20.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	18.769	0.00	51.48
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	9.90
20.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	0.72
25.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	18.769	0.00	51.48
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	9.90
25.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	18.769	0.00	0.72
30.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.037	0.000	18.785	0.00	51.48
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	18.785	0.00	9.90
30.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	18.785	0.00	0.72
32.83	1 5/8" Coax	Yes	2.83	0.000	2.00	0.47	0.00	0.038	0.000	19.275	0.00	29.17
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	19.275	0.00	5.61
32.83	1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	19.275	0.00	0.41
35.00	1 5/8" Coax	Yes	2.17	0.000	2.00	0.36	0.00	0.038	0.000	19.631	0.00	22.31
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	19.631	0.00	4.29
35.00	1/2" Coax	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	19.631	0.00	0.31
40.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	20.394	0.00	51.48
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	20.394	0.00	9.90
40.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	20.394	0.00	0.72
45.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	21.092	0.00	51.48
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	21.092	0.00	9.90
45.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	21.092	0.00	0.72
50.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.040	0.000	21.737	0.00	51.48
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	21.737	0.00	9.90
50.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	21.737	0.00	0.72
55.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.041	0.000	22.337	0.00	51.48
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	22.337	0.00	9.90
55.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	22.337	0.00	0.72
60.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.042	0.000	22.899	0.00	51.48
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.899	0.00	9.90
60.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	22.899	0.00	0.72
65.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.043	0.000	23.429	0.00	51.48
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.429	0.00	9.90
65.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	23.429	0.00	0.72
70.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.044	0.000	23.930	0.00	51.48
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.930	0.00	9.90
70.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	23.930	0.00	0.72
75.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.045	0.000	24.406	0.00	51.48
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	24.406	0.00	9.90

Linear Appurtenance Segment Forces (Factored)

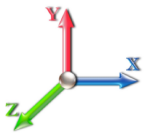
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
75.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	24.406	0.00	0.72
77.92	1 5/8" Coax	Yes	2.92	0.000	2.00	0.49	0.00	0.046	0.000	24.674	0.00	30.06
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	24.674	0.00	5.78
77.92	1/2" Coax	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	24.674	0.00	0.42
80.00	1 5/8" Coax	Yes	2.08	0.000	2.00	0.35	0.00	0.047	0.000	24.861	0.00	21.42
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	24.861	0.00	4.12
80.00	1/2" Coax	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	24.861	0.00	0.30
84.00	1 5/8" Coax	Yes	4.00	0.000	2.00	0.67	0.00	0.048	0.000	25.210	0.00	41.22
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	25.210	0.00	7.93
84.00	1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	25.210	0.00	0.58
85.00	1 5/8" Coax	Yes	1.00	0.000	2.00	0.17	0.00	0.048	0.000	25.295	0.00	10.26
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	25.295	0.00	1.97
85.00	1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	25.295	0.00	0.14
90.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.048	0.000	25.711	0.00	51.48
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.711	0.00	9.90
90.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	25.711	0.00	0.72
95.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.050	0.000	26.112	0.00	51.48
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	26.112	0.00	9.90
95.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	26.112	0.00	0.72
100.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.051	0.000	26.497	0.00	51.48
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.497	0.00	9.90
100.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	26.497	0.00	0.72
105.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.053	0.000	26.869	0.00	51.48
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	26.869	0.00	9.90
105.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	26.869	0.00	0.72
110.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.055	0.000	27.229	0.00	51.48
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	27.229	0.00	9.90
110.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	27.229	0.00	0.72
115.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.057	0.000	27.577	0.00	51.48
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	27.577	0.00	9.90
115.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	27.577	0.00	0.72
120.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.058	0.000	27.914	0.00	51.48
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	27.914	0.00	9.90
120.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	27.914	0.00	0.72
124.08	1 5/8" Coax	Yes	4.08	0.000	2.00	0.68	0.00	0.060	0.000	28.182	0.00	42.04
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	28.182	0.00	8.08
124.08	1/2" Coax	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	28.182	0.00	0.59
125.00	1 5/8" Coax	Yes	0.92	0.000	2.00	0.15	0.00	0.061	0.000	28.242	0.00	9.44
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	28.242	0.00	1.82
125.00	1/2" Coax	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	28.242	0.00	0.13
									Totals:		**0.0**	**1,515.2**

Calculated Forces

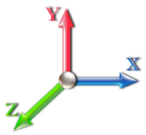
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.57	-50.06	0.00	-5950.9	0.00	5950.99	6109.19	3054.60	14553.3	7187.37	0.00	0.000	0.000	0.837
5.00	-50.89	-49.43	0.00	-5700.6	0.00	5700.69	6042.67	3021.34	14105.8	6966.35	0.11	-0.209	0.000	0.827
10.00	-49.13	-48.80	0.00	-5453.5	0.00	5453.57	5973.91	2986.96	13659.5	6745.94	0.45	-0.422	0.000	0.817
15.00	-47.41	-48.17	0.00	-5209.5	0.00	5209.59	5902.91	2951.46	13214.8	6526.30	1.01	-0.639	0.000	0.807
20.00	-45.71	-47.56	0.00	-4968.7	0.00	4968.73	5829.67	2914.84	12771.9	6307.60	1.79	-0.859	0.000	0.796
25.00	-44.05	-46.95	0.00	-4730.9	0.00	4730.94	5754.19	2877.10	12331.3	6089.98	2.81	-1.082	0.000	0.785
30.00	-42.45	-46.31	0.00	-4496.2	0.00	4496.20	5676.47	2838.24	11893.2	5873.62	4.07	-1.310	0.000	0.773
32.83	-41.55	-45.95	0.00	-4364.9	0.00	4364.98	5631.44	2815.72	11646.2	5751.63	4.89	-1.442	0.000	0.767
35.00	-40.30	-45.71	0.00	-4265.4	0.00	4265.42	5596.51	2798.26	11457.9	5658.66	5.56	-1.544	0.000	0.761
40.00	-37.57	-45.01	0.00	-4036.8	0.00	4036.86	5104.93	2552.47	10419.5	5145.84	7.31	-1.778	0.000	0.792
45.00	-36.09	-44.33	0.00	-3811.8	0.00	3811.81	5033.50	2516.75	10032.9	4954.92	9.30	-2.015	0.000	0.777
50.00	-34.63	-43.63	0.00	-3590.1	0.00	3590.18	4959.83	2479.91	9648.87	4765.22	11.54	-2.257	0.000	0.761
55.00	-33.21	-42.92	0.00	-3372.0	0.00	3372.04	4883.92	2441.96	9267.55	4576.90	14.03	-2.501	0.000	0.744
60.00	-31.81	-42.20	0.00	-3157.4	0.00	3157.44	4805.76	2402.88	8889.36	4390.12	16.78	-2.748	0.000	0.726
65.00	-30.45	-41.48	0.00	-2946.4	0.00	2946.43	4725.37	2362.69	8514.61	4205.04	19.79	-2.996	0.000	0.707
70.00	-29.12	-40.75	0.00	-2739.0	0.00	2739.04	4642.74	2321.37	8143.62	4021.83	23.06	-3.246	0.000	0.688
75.00	-27.87	-39.99	0.00	-2535.2	0.00	2535.29	4557.87	2278.94	7776.72	3840.63	26.60	-3.498	0.000	0.667
77.92	-27.14	-39.56	0.00	-2418.5	0.00	2418.52	4507.27	2253.64	7564.46	3735.80	28.78	-3.648	0.000	0.654
80.00	-26.21	-39.25	0.00	-2336.2	0.00	2336.24	4470.76	2235.38	7414.22	3661.61	30.39	-3.755	0.000	0.644
84.00	-24.57	-38.56	0.00	-2179.1	0.00	2179.13	4079.95	2039.98	6768.85	3342.88	33.63	-3.959	0.000	0.658
85.00	-24.27	-38.46	0.00	-2140.7	0.00	2140.70	4064.53	2032.27	6704.51	3311.11	34.46	-4.011	0.000	0.653
90.00	-23.11	-37.71	0.00	-1948.4	0.00	1948.42	3985.82	1992.91	6384.01	3152.82	38.79	-4.262	0.000	0.624
95.00	-21.99	-36.96	0.00	-1759.8	0.00	1759.89	3904.88	1952.44	6067.57	2996.54	43.39	-4.511	0.000	0.593
100.00	-20.90	-36.21	0.00	-1575.1	0.00	1575.12	3803.39	1901.70	5727.93	2828.81	48.24	-4.755	0.000	0.563
105.00	-19.85	-35.47	0.00	-1394.0	0.00	1394.08	3683.99	1842.00	5371.89	2652.97	53.34	-4.994	0.000	0.531
110.00	-18.83	-34.73	0.00	-1216.7	0.00	1216.76	3564.59	1782.30	5027.27	2482.78	58.69	-5.226	0.000	0.496
115.00	-17.85	-34.00	0.00	-1043.1	0.00	1043.12	3445.19	1722.60	4694.07	2318.23	64.28	-5.447	0.000	0.456
120.00	-16.92	-33.27	0.00	-873.14	0.00	873.14	3325.79	1662.90	4372.30	2159.32	70.09	-5.654	0.000	0.410
124.08	-16.20	-32.66	0.00	-737.31	0.00	737.31	3228.28	1614.14	4118.00	2033.73	74.99	-5.813	0.000	0.368
125.00	-13.57	-26.81	0.00	-707.36	0.00	707.36	3206.39	1603.20	4061.96	2006.05	76.11	-5.847	0.000	0.357
126.00	-13.30	-26.62	0.00	-680.55	0.00	680.55	3182.51	1591.26	4001.26	1976.07	77.33	-5.885	0.000	0.349
129.00	-12.59	-26.15	0.00	-600.71	0.00	600.71	1872.41	936.20	2368.25	1169.59	81.06	-5.990	0.000	0.521
130.00	-12.43	-26.04	0.00	-574.56	0.00	574.56	1864.30	932.15	2340.16	1155.72	82.31	-6.025	0.000	0.505
135.00	-10.12	-21.78	0.00	-444.38	0.00	444.38	1822.43	911.21	2200.41	1086.70	88.74	-6.247	0.000	0.415
140.00	-9.61	-21.11	0.00	-335.49	0.00	335.49	1778.31	889.16	2062.08	1018.38	95.37	-6.438	0.000	0.335
145.00	-6.35	-14.63	0.00	-229.93	0.00	229.93	1731.96	865.98	1925.47	950.92	102.19	-6.594	0.000	0.246
150.00	-5.93	-13.98	0.00	-156.78	0.00	156.78	1683.36	841.68	1790.92	884.47	109.15	-6.715	0.000	0.181
152.50	-5.39	-12.67	0.00	-121.82	0.00	121.82	1658.23	829.11	1724.52	851.67	112.67	-6.764	0.000	0.147
155.00	-3.49	-8.12	0.00	-90.14	0.00	90.14	1632.53	816.27	1658.75	819.19	116.22	-6.805	0.000	0.112
160.00	-3.17	-7.52	0.00	-49.54	0.00	49.54	1571.93	785.97	1521.98	751.65	123.36	-6.862	0.000	0.068
165.00	-0.59	-1.38	0.00	-11.94	0.00	11.94	1495.17	747.59	1376.14	679.62	130.55	-6.891	0.000	0.018
170.00	-0.35	-0.83	0.00	-5.05	0.00	5.05	1418.42	709.21	1237.64	611.22	137.75	-6.900	0.000	0.009
175.00	-0.13	-0.30	0.00	-0.91	0.00	0.91	1341.66	670.83	1106.49	546.45	144.96	-6.904	0.000	0.002
178.00	0.00	-0.29	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33	149.29	-6.904	0.000	0.000

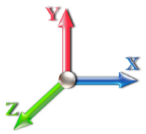
Wind Loading - Shaft

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.656	5.00	26.259	31.51	147.5	630.1	2509.5
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.775	5.00	25.862	31.03	145.3	663.4	2505.0
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.848	5.00	25.427	30.51	142.8	678.0	2481.8
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.902	5.00	24.976	29.97	140.3	684.2	2450.2
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.945	5.00	24.516	29.42	137.7	685.7	2413.9
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.981	5.00	24.050	28.86	135.2	684.0	2374.4
32.83	Bot - Section 2	1.00	0.72	4.371	4.81	0.00	1.200	1.999	2.83	13.417	16.10	77.4	386.4	1327.6
35.00		1.00	0.73	4.451	4.90	0.00	1.200	2.012	2.17	10.332	12.40	60.7	300.0	1691.4
40.00	Top - Section 1	1.00	0.76	4.625	5.09	0.00	1.200	2.039	5.00	23.510	28.21	143.5	686.7	3845.2
45.00		1.00	0.79	4.783	5.26	0.00	1.200	2.063	5.00	23.035	27.64	145.4	679.7	2188.0
50.00		1.00	0.81	4.929	5.42	0.00	1.200	2.085	5.00	22.557	27.07	146.8	671.7	2144.6
55.00		1.00	0.83	5.065	5.57	0.00	1.200	2.105	5.00	22.077	26.49	147.6	662.7	2100.1
60.00		1.00	0.85	5.193	5.71	0.00	1.200	2.123	5.00	21.597	25.92	148.0	652.9	2054.9
65.00		1.00	0.87	5.313	5.84	0.00	1.200	2.140	5.00	21.115	25.34	148.1	642.4	2009.0
70.00		1.00	0.89	5.426	5.97	0.00	1.200	2.156	5.00	20.632	24.76	147.8	631.3	1962.5
75.00		1.00	0.91	5.534	6.09	0.00	1.200	2.171	5.00	20.149	24.18	147.2	619.7	1915.4
77.92	Bot - Section 3	1.00	0.92	5.595	6.15	0.00	1.200	2.179	2.92	11.541	13.85	85.2	357.8	1098.1
80.00		1.00	0.93	5.637	6.20	0.00	1.200	2.185	2.08	8.277	9.93	61.6	257.9	1274.1
84.00	Top - Section 2	1.00	0.94	5.717	6.29	0.00	1.200	2.196	4.00	15.696	18.84	118.4	488.5	2410.8
85.00		1.00	0.94	5.736	6.31	0.00	1.200	2.198	1.00	3.859	4.63	29.2	121.1	351.5
90.00		1.00	0.96	5.830	6.41	0.00	1.200	2.211	5.00	19.071	22.89	146.8	594.8	1731.0
95.00		1.00	0.97	5.921	6.51	0.00	1.200	2.223	5.00	18.585	22.30	145.3	581.6	1684.7
100.00		1.00	0.99	6.008	6.61	0.00	1.200	2.234	5.00	18.099	21.72	143.5	568.1	1638.1
105.00		1.00	1.00	6.093	6.70	0.00	1.200	2.245	5.00	17.612	21.13	141.6	554.3	1591.3
110.00		1.00	1.02	6.174	6.79	0.00	1.200	2.256	5.00	17.125	20.55	139.6	540.2	1544.1
115.00		1.00	1.03	6.253	6.88	0.00	1.200	2.266	5.00	16.637	19.96	137.3	525.9	1496.7
120.00		1.00	1.04	6.330	6.96	0.00	1.200	2.276	5.00	16.149	19.38	134.9	511.3	1449.0
124.08	Bot - Section 4	1.00	1.05	6.391	7.03	0.00	1.200	2.283	4.08	12.826	15.39	108.2	407.7	1149.0
125.00	Appurtenance(s)	1.00	1.05	6.404	7.04	0.00	1.200	2.285	0.92	2.878	3.45	24.3	92.6	363.4
126.00	Appurtenance(s)	1.00	1.06	6.419	7.06	0.00	1.200	2.287	1.00	3.121	3.75	26.4	100.4	393.8
129.00	Top - Section 3	1.00	1.06	6.462	7.11	0.00	1.200	2.292	3.00	9.248	11.10	78.9	295.7	1162.8
130.00		1.00	1.07	6.476	7.12	0.00	1.200	2.294	1.00	3.043	3.65	26.0	98.0	211.0
135.00	Appurtenance(s)	1.00	1.08	6.546	7.20	0.00	1.200	2.303	5.00	14.926	17.91	129.0	474.7	1027.0
140.00		1.00	1.09	6.615	7.28	0.00	1.200	2.311	5.00	14.437	17.32	126.1	459.3	990.4
145.00	Appurtenance(s)	1.00	1.10	6.681	7.35	0.00	1.200	2.319	5.00	13.948	16.74	123.0	443.7	953.6
150.00		1.00	1.11	6.746	7.42	0.00	1.200	2.327	5.00	13.458	16.15	119.9	428.0	916.6
152.50	Appurtenance(s)	1.00	1.11	6.778	7.46	0.00	1.200	2.331	2.50	6.545	7.85	58.6	210.0	446.4
155.00	Appurtenance(s)	1.00	1.12	6.810	7.49	0.00	1.200	2.335	2.50	6.422	7.71	57.7	206.1	437.1
160.00		1.00	1.13	6.872	7.56	0.00	1.200	2.342	5.00	12.479	14.97	113.2	396.1	842.1
165.00	Appurtenance(s)	1.00	1.14	6.933	7.63	0.00	1.200	2.349	5.00	11.989	14.39	109.7	379.9	804.7
170.00		1.00	1.15	6.992	7.69	0.00	1.200	2.356	5.00	11.499	13.80	106.1	363.6	767.1
175.00		1.00	1.16	7.050	7.76	0.00	1.200	2.363	5.00	11.008	13.21	102.4	347.1	729.4
178.00		1.00	1.17	7.085	7.79	0.00	1.200	2.367	3.00	6.369	7.64	59.6	202.3	421.5
								Totals:	**178.00**			**4,814.0**		**63,858.6**

Discrete Appurtenance Forces

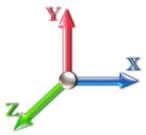
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	165.00	Platform w/ Hand Rails	1	6.933	7.626	1.00	1.00	68.19	4619.09	0.000	0.000	520.02	0.00	0.00
2	165.00	Reinf. Kit (SitePro1	3	6.933	7.626	0.75	1.00	32.08	1145.49	0.000	0.000	244.67	0.00	0.00
3	165.00	Kathrein 782 11056	3	6.933	7.626	0.58	0.75	0.92	9.89	0.000	0.000	7.00	0.00	0.00
4	165.00	RFS	3	6.933	7.626	0.56	0.75	10.31	290.30	0.000	0.000	78.63	0.00	0.00
5	165.00	(3) SFS-H-L (V-Braces)	1	6.933	7.626	1.00	1.00	16.14	607.26	0.000	0.000	123.11	0.00	0.00
6	165.00	Ericsson 4449 B71 + B85	3	6.933	7.626	0.50	0.75	4.08	430.37	0.000	0.000	31.12	0.00	0.00
7	165.00	Ericsson KRY 112 489/2	6	6.933	7.626	0.50	0.75	4.44	223.19	0.000	0.000	33.89	0.00	0.00
8	165.00	RFS	3	6.933	7.626	0.52	0.75	35.96	2244.65	0.000	0.000	274.22	0.00	0.00
9	155.00	KMW AM-X-CD-17-65-00T	1	6.810	7.491	0.56	0.75	4.22	154.58	0.000	0.000	31.63	0.00	0.00
10	155.00	Powerwave	1	6.810	7.491	0.56	0.75	8.87	298.55	0.000	0.000	66.44	0.00	0.00
11	155.00	Powerwave 7770	6	6.810	7.491	0.54	0.75	27.20	915.57	0.000	0.000	203.77	0.00	0.00
12	155.00	Platform w/ Hand Rails	1	6.810	7.491	1.00	1.00	68.02	4601.52	0.000	0.000	509.50	0.00	0.00
13	155.00	Nokia CS72188.01	1	6.810	7.491	0.50	0.75	1.23	54.31	0.000	0.000	9.18	0.00	0.00
14	155.00	Kathrein 800 10764	1	6.810	7.491	0.56	0.75	4.92	183.04	0.000	0.000	36.85	0.00	0.00
15	155.00	Powerwave LGP21401	6	6.810	7.491	0.50	0.75	7.26	259.59	0.000	0.000	54.38	0.00	0.00
16	155.00	Powerwave LGP21903	6	6.810	7.491	0.50	0.75	2.42	92.84	0.000	0.000	18.11	0.00	0.00
17	152.50	Ring Mount (Part No	1	6.778	7.456	1.00	1.00	9.66	47.82	0.000	0.000	72.04	0.00	0.00
18	152.50	Raycap DC2-48-60-18-8F	1	6.778	7.456	0.90	0.90	2.16	104.23	0.000	0.000	16.14	0.00	0.00
19	152.50	Ericsson RRUS11 RRUs	6	6.778	7.456	0.60	0.90	17.99	846.89	0.000	0.000	134.10	0.00	0.00
20	145.00	ALU TD-RRH8x20-25-	3	6.681	7.350	0.50	0.75	7.78	723.16	0.000	0.000	57.15	0.00	0.00
21	145.00	ALU 800 Mhz- RRUs	6	6.681	7.350	0.50	0.75	12.09	844.68	0.000	0.000	88.85	0.00	0.00
22	145.00	ALU 1900 Mhz- RRUs	3	6.681	7.350	0.50	0.75	6.72	476.91	0.000	0.000	49.37	0.00	0.00
23	145.00	PRK-1245 (kicker kit)	1	6.681	7.350	1.00	1.00	22.72	894.07	0.000	0.000	166.97	0.00	0.00
24	145.00	(3) SFS-H-L (V-Braces)	1	6.681	7.350	1.00	1.00	16.02	601.71	0.000	0.000	117.76	0.00	0.00
25	145.00	NNVV-65B-R4	3	6.681	7.350	0.55	0.75	23.65	1219.61	0.000	0.000	173.83	0.00	0.00
26	145.00	APXVTM14-C-I20	3	6.681	7.350	0.58	0.75	13.60	884.92	0.000	0.000	99.96	0.00	0.00
27	145.00	Platform w/ Hand Rails	1	6.681	7.350	1.00	1.00	67.83	4582.89	0.000	0.000	498.51	0.00	0.00
28	135.00	RDIDC-9181-PF-48	1	6.546	7.201	1.00	1.00	2.76	118.16	0.000	0.000	19.87	0.00	0.00
29	135.00	TA08025-B604	3	6.546	7.201	0.50	0.75	4.07	394.14	0.000	0.000	29.31	0.00	0.00
30	135.00	TA08025-B605	3	6.546	7.201	0.50	0.75	4.07	439.22	0.000	0.000	29.31	0.00	0.00
31	135.00	MC-PK8-DSH	1	6.546	7.201	1.00	1.00	99.91	3926.26	0.000	0.000	719.44	0.00	0.00
32	135.00	MX08FRO665-21	3	6.546	7.201	0.55	0.75	24.01	1181.89	0.000	0.000	172.92	0.00	0.00
33	126.00	GPS	1	6.419	7.060	1.00	1.00	1.93	6.17	0.000	0.000	13.65	0.00	0.00
34	125.00	RFS DB-T1-6Z-8AB-0Z	2	6.404	7.044	0.80	0.80	8.24	730.01	0.000	0.000	58.04	0.00	0.00
35	125.00	Antel	6	6.404	7.044	0.56	0.75	12.66	796.05	0.000	0.000	89.17	0.00	0.00
36	125.00	VZWSMART	1	6.404	7.044	1.00	1.00	5.93	389.71	0.000	0.000	41.75	0.00	0.00
37	125.00	VZWSMART	1	6.404	7.044	1.00	1.00	22.52	887.71	0.000	0.000	158.67	0.00	0.00
38	125.00	Handrail Kit (P2 1/2 STD)	1	6.404	7.044	1.00	1.00	15.39	982.43	0.000	0.000	108.39	0.00	0.00
39	125.00	RF4440d-13A	3	6.404	7.044	0.50	0.75	3.17	435.59	0.000	0.000	22.35	0.00	0.00
40	125.00	RF4439d-25A	3	6.404	7.044	0.50	0.75	3.17	475.95	0.000	0.000	22.35	0.00	0.00
41	125.00	MT6407-77A	3	6.404	7.044	0.52	0.75	9.37	814.14	0.000	0.000	65.99	0.00	0.00
42	125.00	MX06FRO660-03	6	6.404	7.044	0.65	0.75	45.81	2646.06	0.000	0.000	322.72	0.00	0.00
43	125.00	Low Profile Platform	1	6.404	7.044	1.00	1.00	52.42	2510.95	0.000	0.000	369.26	0.00	0.00
							Totals:		**44,091.56**			**5,960.40**		

Total Applied Force Summary

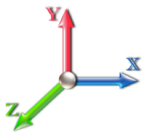
Structure:	CT00594-S-SBA		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		147.52	2723.20	0.00	0.00
10.00		145.29	3029.24	0.00	0.00
15.00		142.85	3018.39	0.00	0.00
20.00		140.31	2996.10	0.00	0.00
25.00		137.73	2967.21	0.00	0.00
30.00		135.22	2933.96	0.00	0.00
32.83		77.41	1646.44	0.00	0.00
35.00		60.71	1936.24	0.00	0.00
40.00		143.52	4415.00	0.00	0.00
45.00		145.42	2762.13	0.00	0.00
50.00		146.76	2722.54	0.00	0.00
55.00		147.60	2681.70	0.00	0.00
60.00		148.03	2639.79	0.00	0.00
65.00		148.07	2596.97	0.00	0.00
70.00		147.78	2553.35	0.00	0.00
75.00		147.19	2509.02	0.00	0.00
77.92		85.24	1445.68	0.00	0.00
80.00		61.59	1522.05	0.00	0.00
84.00		118.44	2889.72	0.00	0.00
85.00		29.22	470.87	0.00	0.00
90.00		146.77	2331.86	0.00	0.00
95.00		145.26	2287.82	0.00	0.00
100.00		143.54	2243.35	0.00	0.00
105.00		141.64	2198.50	0.00	0.00
110.00		139.57	2153.28	0.00	0.00
115.00		137.33	2107.74	0.00	0.00
120.00		134.93	2061.88	0.00	0.00
124.08		108.19	1650.64	0.00	0.00
125.00	(27) attachments	1283.02	11144.67	0.00	0.00
126.00	(1) attachments	40.09	435.87	0.00	0.00
129.00		78.88	1270.67	0.00	0.00
130.00		26.02	246.94	0.00	0.00
135.00	(11) attachments	1099.84	7266.41	0.00	0.00
140.00		126.06	1164.10	0.00	0.00
145.00	(21) attachments	1375.41	11355.24	0.00	0.00
150.00		119.85	1067.41	0.00	0.00
152.50	(8) attachments	280.84	1520.71	0.00	0.00
155.00	(23) attachments	987.60	7072.47	0.00	0.00
160.00		113.20	911.85	0.00	0.00
165.00	(23) attachments	1422.37	10444.64	0.00	0.00
170.00		106.13	767.10	0.00	0.00
175.00		102.45	729.39	0.00	0.00
178.00		59.56	421.47	0.00	0.00
	Totals:	**10,774.44**	**123,313.60**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

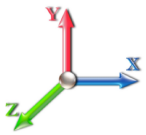
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	2.00	0.000	2.00	0.89	0.00	0.013	0.000	4.256	0.00	97.46
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	4.256	0.00	23.62
5.00	1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	4.256	0.00	8.83
10.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.31	0.00	0.034	0.000	4.256	0.00	256.21
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	4.256	0.00	63.39
10.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	4.256	0.00	24.87
15.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.37	0.00	0.035	0.000	4.256	0.00	264.06
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	4.256	0.00	66.16
15.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	4.256	0.00	26.68
20.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.42	0.00	0.036	0.000	4.256	0.00	269.87
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	4.256	0.00	68.24
20.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	4.256	0.00	28.05
25.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.45	0.00	0.036	0.000	4.256	0.00	274.51
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	4.256	0.00	69.91
25.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	4.256	0.00	29.17
30.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.48	0.00	0.037	0.000	4.260	0.00	278.40
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	4.260	0.00	71.33
30.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	4.260	0.00	30.12
32.83	1 5/8" Coax	Yes	2.83	0.000	2.00	1.42	0.00	0.038	0.000	4.371	0.00	158.87
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	4.371	0.00	40.82
32.83	1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	4.371	0.00	17.34
35.00	1 5/8" Coax	Yes	2.17	0.000	2.00	1.09	0.00	0.038	0.000	4.451	0.00	122.10
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	4.451	0.00	31.44
35.00	1/2" Coax	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	4.451	0.00	13.41
40.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.53	0.00	0.039	0.000	4.625	0.00	284.72
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	4.625	0.00	73.65
40.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	4.625	0.00	31.68
45.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.55	0.00	0.039	0.000	4.783	0.00	287.37
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	4.783	0.00	74.63
45.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	4.783	0.00	32.35
50.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.57	0.00	0.040	0.000	4.929	0.00	289.77
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	4.929	0.00	75.52
50.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	4.929	0.00	32.96
55.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.59	0.00	0.041	0.000	5.065	0.00	291.98
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	5.065	0.00	76.34
55.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	5.065	0.00	33.52
60.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.60	0.00	0.042	0.000	5.193	0.00	294.01
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	5.193	0.00	77.10
60.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	5.193	0.00	34.04
65.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.62	0.00	0.043	0.000	5.313	0.00	295.90
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	5.313	0.00	77.81
65.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	5.313	0.00	34.53
70.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.63	0.00	0.044	0.000	5.426	0.00	297.67
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	5.426	0.00	78.48
70.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	5.426	0.00	34.99
75.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.64	0.00	0.045	0.000	5.534	0.00	299.32
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	5.534	0.00	79.11

Linear Appurtenance Segment Forces (Factored)

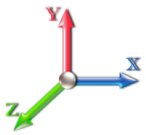
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
75.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	5.534	0.00	35.42
77.92	1 5/8" Coax	Yes	2.92	0.000	2.00	1.55	0.00	0.046	0.000	5.595	0.00	175.35
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	5.595	0.00	46.40
77.92	1/2" Coax	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	5.595	0.00	20.83
80.00	1 5/8" Coax	Yes	2.08	0.000	2.00	1.10	0.00	0.047	0.000	5.637	0.00	125.17
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	5.637	0.00	33.15
80.00	1/2" Coax	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	5.637	0.00	14.90
84.00	1 5/8" Coax	Yes	4.00	0.000	2.00	2.13	0.00	0.048	0.000	5.717	0.00	241.87
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	5.717	0.00	64.17
84.00	1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	5.717	0.00	28.94
85.00	1 5/8" Coax	Yes	1.00	0.000	2.00	0.53	0.00	0.048	0.000	5.736	0.00	60.27
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	5.736	0.00	16.00
85.00	1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	5.736	0.00	7.22
90.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.68	0.00	0.048	0.000	5.830	0.00	303.78
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	5.830	0.00	80.80
90.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	5.830	0.00	36.59
95.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.69	0.00	0.050	0.000	5.921	0.00	305.12
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	5.921	0.00	81.31
95.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	5.921	0.00	36.94
100.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.70	0.00	0.051	0.000	6.008	0.00	306.40
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	6.008	0.00	81.80
100.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	6.008	0.00	37.28
105.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.70	0.00	0.053	0.000	6.093	0.00	307.62
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	6.093	0.00	82.27
105.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	6.093	0.00	37.61
110.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.71	0.00	0.055	0.000	6.174	0.00	308.80
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	6.174	0.00	82.72
110.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	6.174	0.00	37.93
115.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.72	0.00	0.057	0.000	6.253	0.00	309.92
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	6.253	0.00	83.15
115.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	6.253	0.00	38.23
120.00	1 5/8" Coax	Yes	5.00	0.000	2.00	2.73	0.00	0.058	0.000	6.330	0.00	311.01
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	6.330	0.00	83.57
120.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	6.330	0.00	38.52
124.08	1 5/8" Coax	Yes	4.08	0.000	2.00	2.23	0.00	0.060	0.000	6.391	0.00	254.69
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	6.391	0.00	68.52
124.08	1/2" Coax	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	6.391	0.00	31.65
125.00	1 5/8" Coax	Yes	0.92	0.000	2.00	0.50	0.00	0.061	0.000	6.404	0.00	57.21
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	6.404	0.00	15.40
125.00	1/2" Coax	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	6.404	0.00	7.11
										Totals:	**0.0**	**9,817.9**

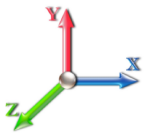
Calculated Forces

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-123.3	-10.83	0.00	-1439.3	0.00	1439.34	6109.19	3054.60	14553.3	7187.37	0.00	0.000	0.000	0.220
5.00	-120.5	-10.79	0.00	-1385.1	0.00	1385.19	6042.67	3021.34	14105.8	6966.35	0.03	-0.051	0.000	0.219
10.00	-117.5	-10.75	0.00	-1331.2	0.00	1331.24	5973.91	2986.96	13659.5	6745.94	0.11	-0.103	0.000	0.217
15.00	-114.5	-10.70	0.00	-1277.5	0.00	1277.51	5902.91	2951.46	13214.8	6526.30	0.24	-0.156	0.000	0.215
20.00	-111.5	-10.66	0.00	-1223.9	0.00	1223.99	5829.67	2914.84	12771.9	6307.60	0.44	-0.210	0.000	0.213
25.00	-108.5	-10.62	0.00	-1170.6	0.00	1170.68	5754.19	2877.10	12331.3	6089.98	0.69	-0.265	0.000	0.211
30.00	-105.5	-10.55	0.00	-1117.6	0.00	1117.60	5676.47	2838.24	11893.2	5873.62	0.99	-0.321	0.000	0.209
32.83	-103.9	-10.51	0.00	-1087.7	0.00	1087.71	5631.44	2815.72	11646.2	5751.63	1.19	-0.354	0.000	0.208
35.00	-101.9	-10.52	0.00	-1064.9	0.00	1064.93	5596.51	2798.26	11457.9	5658.66	1.36	-0.380	0.000	0.206
40.00	-97.57	-10.44	0.00	-1012.3	0.00	1012.35	5104.93	2552.47	10419.5	5145.84	1.79	-0.438	0.000	0.216
45.00	-94.79	-10.37	0.00	-960.14	0.00	960.14	5033.50	2516.75	10032.9	4954.92	2.28	-0.498	0.000	0.213
50.00	-92.06	-10.30	0.00	-908.28	0.00	908.28	4959.83	2479.91	9648.87	4765.22	2.83	-0.559	0.000	0.209
55.00	-89.37	-10.22	0.00	-856.77	0.00	856.77	4883.92	2441.96	9267.55	4576.90	3.45	-0.621	0.000	0.206
60.00	-86.72	-10.14	0.00	-805.66	0.00	805.66	4805.76	2402.88	8889.36	4390.12	4.14	-0.683	0.000	0.202
65.00	-84.12	-10.05	0.00	-754.96	0.00	754.96	4725.37	2362.69	8514.61	4205.04	4.89	-0.747	0.000	0.197
70.00	-81.55	-9.96	0.00	-704.70	0.00	704.70	4642.74	2321.37	8143.62	4021.83	5.70	-0.811	0.000	0.193
75.00	-79.04	-9.85	0.00	-654.88	0.00	654.88	4557.87	2278.94	7776.72	3840.63	6.59	-0.876	0.000	0.188
77.92	-77.59	-9.79	0.00	-626.12	0.00	626.12	4507.27	2253.64	7564.46	3735.80	7.14	-0.915	0.000	0.185
80.00	-76.06	-9.76	0.00	-605.76	0.00	605.76	4470.76	2235.38	7414.22	3661.61	7.54	-0.943	0.000	0.182
84.00	-73.17	-9.63	0.00	-566.71	0.00	566.71	4079.95	2039.98	6768.85	3342.88	8.35	-0.996	0.000	0.187
85.00	-72.69	-9.64	0.00	-557.11	0.00	557.11	4064.53	2032.27	6704.51	3311.11	8.56	-1.009	0.000	0.186
90.00	-70.35	-9.53	0.00	-508.90	0.00	508.90	3985.82	1992.91	6384.01	3152.82	9.65	-1.075	0.000	0.179
95.00	-68.06	-9.42	0.00	-461.23	0.00	461.23	3904.88	1952.44	6067.57	2996.54	10.82	-1.140	0.000	0.171
100.00	-65.81	-9.31	0.00	-414.13	0.00	414.13	3803.39	1901.70	5727.93	2828.81	12.04	-1.204	0.000	0.164
105.00	-63.60	-9.18	0.00	-367.61	0.00	367.61	3683.99	1842.00	5371.89	2652.97	13.34	-1.267	0.000	0.156
110.00	-61.44	-9.06	0.00	-321.68	0.00	321.68	3564.59	1782.30	5027.27	2482.78	14.70	-1.328	0.000	0.147
115.00	-59.33	-8.93	0.00	-276.38	0.00	276.38	3445.19	1722.60	4694.07	2318.23	16.12	-1.386	0.000	0.136
120.00	-57.26	-8.79	0.00	-231.72	0.00	231.72	3325.79	1662.90	4372.30	2159.32	17.60	-1.441	0.000	0.125
124.08	-55.61	-8.67	0.00	-195.81	0.00	195.81	3228.28	1614.14	4118.00	2033.73	18.85	-1.483	0.000	0.114
125.00	-44.50	-7.10	0.00	-187.86	0.00	187.86	3206.39	1603.20	4061.96	2006.05	19.14	-1.493	0.000	0.108
126.00	-44.07	-7.07	0.00	-180.76	0.00	180.76	3182.51	1591.26	4001.26	1976.07	19.45	-1.503	0.000	0.105
129.00	-42.80	-6.97	0.00	-159.56	0.00	159.56	1872.41	936.20	2368.25	1169.59	20.41	-1.531	0.000	0.159
130.00	-42.55	-6.96	0.00	-152.59	0.00	152.59	1864.30	932.15	2340.16	1155.72	20.73	-1.540	0.000	0.155
135.00	-35.31	-5.70	0.00	-117.78	0.00	117.78	1822.43	911.21	2200.41	1086.70	22.37	-1.599	0.000	0.128
140.00	-34.14	-5.57	0.00	-89.29	0.00	89.29	1778.31	889.16	2062.08	1018.38	24.08	-1.649	0.000	0.107
145.00	-22.83	-3.87	0.00	-61.46	0.00	61.46	1731.96	865.98	1925.47	950.92	25.83	-1.691	0.000	0.078
150.00	-21.76	-3.73	0.00	-42.09	0.00	42.09	1683.36	841.68	1790.92	884.47	27.62	-1.723	0.000	0.061
152.50	-20.25	-3.41	0.00	-32.77	0.00	32.77	1658.23	829.11	1724.52	851.67	28.52	-1.737	0.000	0.051
155.00	-13.21	-2.21	0.00	-24.24	0.00	24.24	1632.53	816.27	1658.75	819.19	29.43	-1.748	0.000	0.038
160.00	-12.30	-2.07	0.00	-13.20	0.00	13.20	1571.93	785.97	1521.98	751.65	31.27	-1.763	0.000	0.025
165.00	-1.91	-0.33	0.00	-2.84	0.00	2.84	1495.17	747.59	1376.14	679.62	33.12	-1.770	0.000	0.005
170.00	-1.15	-0.20	0.00	-1.21	0.00	1.21	1418.42	709.21	1237.64	611.22	34.98	-1.773	0.000	0.003
175.00	-0.42	-0.07	0.00	-0.22	0.00	0.22	1341.66	670.83	1106.49	546.45	36.84	-1.774	0.000	0.001
178.00	0.00	-0.06	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33	37.95	-1.774	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E					**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.18	**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**Seismic Importance Factor**	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1566.1	0.00	0.03	0.02	28.45	
10.00		1534.6	0.01	0.05	0.03	40.51	
15.00		1503.1	0.01	0.06	0.03	46.14	
20.00		1471.6	0.02	0.07	0.04	48.62	
25.00		1440.1	0.04	0.07	0.04	49.53	
30.00		1408.6	0.05	0.07	0.04	49.71	
32.83	Bot - Section 2	784.27	0.06	0.07	0.04	28.01	
35.00		1159.5	0.07	0.07	0.04	41.77	
40.00	Top - Section 1	2632.1	0.10	0.07	0.04	96.78	
45.00		1256.9	0.12	0.07	0.03	47.19	
50.00		1227.3	0.15	0.07	0.03	46.98	
55.00		1197.8	0.18	0.07	0.03	46.44	
60.00		1168.3	0.21	0.06	0.02	45.25	
65.00		1138.8	0.25	0.05	0.02	42.96	
70.00		1109.2	0.29	0.05	0.01	39.03	
75.00		1079.7	0.34	0.04	0.01	32.91	
77.92	Bot - Section 3	616.92	0.36	0.03	0.01	16.34	
80.00		846.76	0.38	0.02	0.01	19.49	
84.00	Top - Section 2	1601.9	0.42	0.01	0.01	23.91	
85.00		192.02	0.43	0.01	0.01	2.43	
90.00		946.81	0.48	-0.01	0.01	-0.03	
95.00		919.25	0.54	-0.03	0.01	-12.36	
100.00		891.69	0.60	-0.05	0.01	-22.83	
105.00		864.13	0.66	-0.07	0.02	-30.19	
110.00		836.57	0.72	-0.09	0.03	-33.99	
115.00		809.01	0.79	-0.11	0.05	-34.40	
120.00		781.45	0.86	-0.12	0.07	-31.82	
124.08	Bot - Section 4	617.74	0.92	-0.12	0.09	-22.64	
125.00	Appurtenance(s)	3519.3	0.93	-0.12	0.10	-124.66	
126.00	Appurtenance(s)	248.49	0.95	-0.12	0.11	-8.44	
129.00	Top - Section 3	722.59	0.99	-0.11	0.13	-20.77	
130.00		94.18	1.01	-0.11	0.14	-2.52	
135.00	Appurtenance(s)	2819.3	1.09	-0.08	0.18	-41.69	
140.00		442.56	1.17	-0.02	0.23	0.20	
145.00	Appurtenance(s)	4228.5	1.25	0.06	0.30	80.18	
150.00		407.13	1.34	0.18	0.37	16.61	
152.50	Appurtenance(s)	685.72	1.39	0.26	0.42	36.34	
155.00	Appurtenance(s)	2622.4	1.43	0.35	0.47	173.20	
160.00		371.69	1.53	0.57	0.58	35.21	
165.00	Appurtenance(s)	3604.2	1.62	0.85	0.70	457.65	
170.00		336.26	1.72	1.22	0.85	54.75	
175.00		318.54	1.83	1.66	1.02	64.46	
178.00		182.62	1.89	1.98	1.14	41.62	
	Totals:	**52,206.8**				**1,366.3**	**Total Wind:** **49,964.1**

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

Calculated Forces

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Load Case: 1.2D + 1.0E

Iterations 22

Gust Response Factor	1.10			**Sds**	0.18			**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03			**Seismic Importance Factor**	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-70.21	-1.76	0.00	-200.27	0.00	200.27	6109.19	3054.60	14553.3	7187.37		0.00	0.00	0.039
5.00	-68.22	-1.74	0.00	-191.48	0.00	191.48	6042.67	3021.34	14105.8	6966.35		0.00	-0.01	0.039
10.00	-66.11	-1.70	0.00	-182.80	0.00	182.80	5973.91	2986.96	13659.5	6745.94		0.02	-0.01	0.038
15.00	-64.05	-1.66	0.00	-174.29	0.00	174.29	5902.91	2951.46	13214.8	6526.30		0.03	-0.02	0.038
20.00	-62.02	-1.62	0.00	-165.96	0.00	165.96	5829.67	2914.84	12771.9	6307.60		0.06	-0.03	0.037
25.00	-60.03	-1.58	0.00	-157.85	0.00	157.85	5754.19	2877.10	12331.3	6089.98		0.09	-0.04	0.036
30.00	-58.07	-1.54	0.00	-149.95	0.00	149.95	5676.47	2838.24	11893.2	5873.62		0.14	-0.04	0.036
32.83	-56.98	-1.51	0.00	-145.60	0.00	145.60	5631.44	2815.72	11646.2	5751.63		0.16	-0.05	0.035
35.00	-55.48	-1.47	0.00	-142.32	0.00	142.32	5596.51	2798.26	11457.9	5658.66		0.19	-0.05	0.035
40.00	-52.06	-1.38	0.00	-134.96	0.00	134.96	5104.93	2552.47	10419.5	5145.84		0.24	-0.06	0.036
45.00	-50.29	-1.34	0.00	-128.06	0.00	128.06	5033.50	2516.75	10032.9	4954.92		0.31	-0.07	0.036
50.00	-48.55	-1.30	0.00	-121.37	0.00	121.37	4959.83	2479.91	9648.87	4765.22		0.39	-0.08	0.035
55.00	-46.85	-1.25	0.00	-114.89	0.00	114.89	4883.92	2441.96	9267.55	4576.90		0.47	-0.08	0.035
60.00	-45.19	-1.21	0.00	-108.62	0.00	108.62	4805.76	2402.88	8889.36	4390.12		0.56	-0.09	0.034
65.00	-43.56	-1.17	0.00	-102.56	0.00	102.56	4725.37	2362.69	8514.61	4205.04		0.66	-0.10	0.034
70.00	-41.96	-1.14	0.00	-96.69	0.00	96.69	4642.74	2321.37	8143.62	4021.83		0.77	-0.11	0.033
75.00	-40.40	-1.11	0.00	-91.00	0.00	91.00	4557.87	2278.94	7776.72	3840.63		0.89	-0.12	0.033
77.92	-39.51	-1.09	0.00	-87.77	0.00	87.77	4507.27	2253.64	7564.46	3735.80		0.97	-0.12	0.032
80.00	-38.39	-1.07	0.00	-85.50	0.00	85.50	4470.76	2235.38	7414.22	3661.61		1.02	-0.13	0.032
84.00	-36.25	-1.05	0.00	-81.20	0.00	81.20	4079.95	2039.98	6768.85	3342.88		1.13	-0.14	0.033
85.00	-35.97	-1.05	0.00	-80.15	0.00	80.15	4064.53	2032.27	6704.51	3311.11		1.16	-0.14	0.033
90.00	-34.57	-1.05	0.00	-74.91	0.00	74.91	3985.82	1992.91	6384.01	3152.82		1.31	-0.15	0.032
95.00	-33.21	-1.05	0.00	-69.66	0.00	69.66	3904.88	1952.44	6067.57	2996.54		1.47	-0.16	0.032
100.00	-31.87	-1.05	0.00	-64.39	0.00	64.39	3803.39	1901.70	5727.93	2828.81		1.64	-0.17	0.031
105.00	-30.57	-1.06	0.00	-59.12	0.00	59.12	3683.99	1842.00	5371.89	2652.97		1.82	-0.18	0.031
110.00	-29.31	-1.06	0.00	-53.83	0.00	53.83	3564.59	1782.30	5027.27	2482.78		2.01	-0.19	0.030
115.00	-28.07	-1.06	0.00	-48.55	0.00	48.55	3445.19	1722.60	4694.07	2318.23		2.21	-0.20	0.029
120.00	-26.87	-1.06	0.00	-43.26	0.00	43.26	3325.79	1662.90	4372.30	2159.32		2.42	-0.21	0.028
124.08	-25.92	-1.06	0.00	-38.94	0.00	38.94	3228.28	1614.14	4118.00	2033.73		2.60	-0.21	0.027
125.00	-21.65	-1.04	0.00	-37.97	0.00	37.97	3206.39	1603.20	4061.96	2006.05		2.64	-0.22	0.026
126.00	-21.31	-1.04	0.00	-36.92	0.00	36.92	3182.51	1591.26	4001.26	1976.07		2.69	-0.22	0.025
129.00	-20.34	-1.04	0.00	-33.80	0.00	33.80	1872.41	936.20	2368.25	1169.59		2.83	-0.22	0.040
130.00	-20.19	-1.04	0.00	-32.76	0.00	32.76	1864.30	932.15	2340.16	1155.72		2.87	-0.23	0.039
135.00	-16.62	-1.03	0.00	-27.55	0.00	27.55	1822.43	911.21	2200.41	1086.70		3.12	-0.24	0.034
140.00	-15.92	-1.03	0.00	-22.40	0.00	22.40	1778.31	889.16	2062.08	1018.38		3.37	-0.25	0.031
145.00	-10.67	-0.93	0.00	-17.24	0.00	17.24	1731.96	865.98	1925.47	950.92		3.64	-0.26	0.024
150.00	-10.03	-0.91	0.00	-12.59	0.00	12.59	1683.36	841.68	1790.92	884.47		3.92	-0.27	0.020
152.50	-9.13	-0.87	0.00	-10.32	0.00	10.32	1658.23	829.11	1724.52	851.67		4.07	-0.28	0.018
155.00	-5.91	-0.68	0.00	-8.14	0.00	8.14	1632.53	816.27	1658.75	819.19		4.21	-0.28	0.014
160.00	-5.40	-0.65	0.00	-4.73	0.00	4.73	1571.93	785.97	1521.98	751.65		4.51	-0.28	0.010
165.00	-1.00	-0.17	0.00	-1.50	0.00	1.50	1495.17	747.59	1376.14	679.62		4.81	-0.29	0.003
170.00	-0.60	-0.11	0.00	-0.67	0.00	0.67	1418.42	709.21	1237.64	611.22		5.11	-0.29	0.002
175.00	-0.22	-0.04	0.00	-0.13	0.00	0.13	1341.66	670.83	1106.49	546.45		5.41	-0.29	0.000
178.00	0.00	-0.04	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33		5.60	-0.29	0.000

Seismic Segment Forces (Factored)

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

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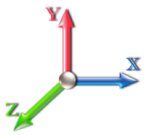
Load Case: 0.9D + 1.0E

Gust Response Factor	1.10			**Sds**	0.18	**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**S1**	0.06
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1566.1	0.00	0.03	0.02	28.45	
10.00		1534.6	0.01	0.05	0.03	40.51	
15.00		1503.1	0.01	0.06	0.03	46.14	
20.00		1471.6	0.02	0.07	0.04	48.62	
25.00		1440.1	0.04	0.07	0.04	49.53	
30.00		1408.6	0.05	0.07	0.04	49.71	
32.83	Bot - Section 2	784.27	0.06	0.07	0.04	28.01	
35.00		1159.5	0.07	0.07	0.04	41.77	
40.00	Top - Section 1	2632.1	0.10	0.07	0.04	96.78	
45.00		1256.9	0.12	0.07	0.03	47.19	
50.00		1227.3	0.15	0.07	0.03	46.98	
55.00		1197.8	0.18	0.07	0.03	46.44	
60.00		1168.3	0.21	0.06	0.02	45.25	
65.00		1138.8	0.25	0.05	0.02	42.96	
70.00		1109.2	0.29	0.05	0.01	39.03	
75.00		1079.7	0.34	0.04	0.01	32.91	
77.92	Bot - Section 3	616.92	0.36	0.03	0.01	16.34	
80.00		846.76	0.38	0.02	0.01	19.49	
84.00	Top - Section 2	1601.9	0.42	0.01	0.01	23.91	
85.00		192.02	0.43	0.01	0.01	2.43	
90.00		946.81	0.48	-0.01	0.01	-0.03	
95.00		919.25	0.54	-0.03	0.01	-12.36	
100.00		891.69	0.60	-0.05	0.01	-22.83	
105.00		864.13	0.66	-0.07	0.02	-30.19	
110.00		836.57	0.72	-0.09	0.03	-33.99	
115.00		809.01	0.79	-0.11	0.05	-34.40	
120.00		781.45	0.86	-0.12	0.07	-31.82	
124.08	Bot - Section 4	617.74	0.92	-0.12	0.09	-22.64	
125.00	Appurtenance(s)	3519.3	0.93	-0.12	0.10	-124.66	
126.00	Appurtenance(s)	248.49	0.95	-0.12	0.11	-8.44	
129.00	Top - Section 3	722.59	0.99	-0.11	0.13	-20.77	
130.00		94.18	1.01	-0.11	0.14	-2.52	
135.00	Appurtenance(s)	2819.3	1.09	-0.08	0.18	-41.69	
140.00		442.56	1.17	-0.02	0.23	0.20	
145.00	Appurtenance(s)	4228.5	1.25	0.06	0.30	80.18	
150.00		407.13	1.34	0.18	0.37	16.61	
152.50	Appurtenance(s)	685.72	1.39	0.26	0.42	36.34	
155.00	Appurtenance(s)	2622.4	1.43	0.35	0.47	173.20	
160.00		371.69	1.53	0.57	0.58	35.21	
165.00	Appurtenance(s)	3604.2	1.62	0.85	0.70	457.65	
170.00		336.26	1.72	1.22	0.85	54.75	
175.00		318.54	1.83	1.66	1.02	64.46	
178.00		182.62	1.89	1.98	1.14	41.62	
	Totals:	**52,206.8**				**1,366.3**	**Total Wind:** **49,964.1**

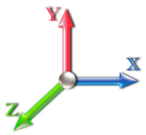
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E



Gust Response Factor	1.10			**Sds**	0.18			**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03			**S1**	0.06
								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	-52.66	-1.76	0.00	-197.45	0.00	197.45	6109.19	3054.60	14553.3	7187.37		0.00	0.00	0.036
5.00	-51.16	-1.73	0.00	-188.67	0.00	188.67	6042.67	3021.34	14105.8	6966.35		0.00	-0.01	0.036
10.00	-49.58	-1.70	0.00	-180.01	0.00	180.01	5973.91	2986.96	13659.5	6745.94		0.01	-0.01	0.035
15.00	-48.03	-1.66	0.00	-171.52	0.00	171.52	5902.91	2951.46	13214.8	6526.30		0.03	-0.02	0.034
20.00	-46.51	-1.61	0.00	-163.23	0.00	163.23	5829.67	2914.84	12771.9	6307.60		0.06	-0.03	0.034
25.00	-45.02	-1.57	0.00	-155.16	0.00	155.16	5754.19	2877.10	12331.3	6089.98		0.09	-0.04	0.033
30.00	-43.56	-1.52	0.00	-147.31	0.00	147.31	5676.47	2838.24	11893.2	5873.62		0.13	-0.04	0.033
32.83	-42.74	-1.50	0.00	-143.00	0.00	143.00	5631.44	2815.72	11646.2	5751.63		0.16	-0.05	0.032
35.00	-41.61	-1.46	0.00	-139.75	0.00	139.75	5596.51	2798.26	11457.9	5658.66		0.18	-0.05	0.032
40.00	-39.04	-1.36	0.00	-132.46	0.00	132.46	5104.93	2552.47	10419.5	5145.84		0.24	-0.06	0.033
45.00	-37.71	-1.32	0.00	-125.63	0.00	125.63	5033.50	2516.75	10032.9	4954.92		0.31	-0.07	0.033
50.00	-36.41	-1.28	0.00	-119.03	0.00	119.03	4959.83	2479.91	9648.87	4765.22		0.38	-0.07	0.032
55.00	-35.14	-1.23	0.00	-112.64	0.00	112.64	4883.92	2441.96	9267.55	4576.90		0.46	-0.08	0.032
60.00	-33.89	-1.19	0.00	-106.46	0.00	106.46	4805.76	2402.88	8889.36	4390.12		0.55	-0.09	0.031
65.00	-32.67	-1.15	0.00	-100.50	0.00	100.50	4725.37	2362.69	8514.61	4205.04		0.65	-0.10	0.031
70.00	-31.47	-1.12	0.00	-94.74	0.00	94.74	4642.74	2321.37	8143.62	4021.83		0.76	-0.11	0.030
75.00	-30.30	-1.08	0.00	-89.16	0.00	89.16	4557.87	2278.94	7776.72	3840.63		0.88	-0.12	0.030
77.92	-29.63	-1.07	0.00	-85.99	0.00	85.99	4507.27	2253.64	7564.46	3735.80		0.95	-0.12	0.030
80.00	-28.79	-1.05	0.00	-83.77	0.00	83.77	4470.76	2235.38	7414.22	3661.61		1.01	-0.13	0.029
84.00	-27.19	-1.03	0.00	-79.56	0.00	79.56	4079.95	2039.98	6768.85	3342.88		1.11	-0.13	0.030
85.00	-26.98	-1.03	0.00	-78.54	0.00	78.54	4064.53	2032.27	6704.51	3311.11		1.14	-0.13	0.030
90.00	-25.93	-1.03	0.00	-73.41	0.00	73.41	3985.82	1992.91	6384.01	3152.82		1.29	-0.14	0.030
95.00	-24.90	-1.03	0.00	-68.28	0.00	68.28	3904.88	1952.44	6067.57	2996.54		1.44	-0.15	0.029
100.00	-23.90	-1.03	0.00	-63.13	0.00	63.13	3803.39	1901.70	5727.93	2828.81		1.61	-0.16	0.029
105.00	-22.93	-1.03	0.00	-57.99	0.00	57.99	3683.99	1842.00	5371.89	2652.97		1.79	-0.17	0.028
110.00	-21.98	-1.03	0.00	-52.83	0.00	52.83	3564.59	1782.30	5027.27	2482.78		1.97	-0.18	0.027
115.00	-21.05	-1.03	0.00	-47.67	0.00	47.67	3445.19	1722.60	4694.07	2318.23		2.17	-0.19	0.027
120.00	-20.15	-1.03	0.00	-42.51	0.00	42.51	3325.79	1662.90	4372.30	2159.32		2.38	-0.20	0.026
124.08	-19.44	-1.03	0.00	-38.30	0.00	38.30	3228.28	1614.14	4118.00	2033.73		2.55	-0.21	0.025
125.00	-16.23	-1.02	0.00	-37.35	0.00	37.35	3206.39	1603.20	4061.96	2006.05		2.59	-0.21	0.024
126.00	-15.98	-1.02	0.00	-36.33	0.00	36.33	3182.51	1591.26	4001.26	1976.07		2.64	-0.21	0.023
129.00	-15.25	-1.02	0.00	-33.27	0.00	33.27	1872.41	936.20	2368.25	1169.59		2.78	-0.22	0.037
130.00	-15.14	-1.02	0.00	-32.25	0.00	32.25	1864.30	932.15	2340.16	1155.72		2.82	-0.22	0.036
135.00	-12.47	-1.01	0.00	-27.15	0.00	27.15	1822.43	911.21	2200.41	1086.70		3.06	-0.23	0.032
140.00	-11.94	-1.01	0.00	-22.09	0.00	22.09	1778.31	889.16	2062.08	1018.38		3.31	-0.25	0.028
145.00	-8.00	-0.92	0.00	-17.03	0.00	17.03	1731.96	865.98	1925.47	950.92		3.58	-0.26	0.023
150.00	-7.52	-0.90	0.00	-12.45	0.00	12.45	1683.36	841.68	1790.92	884.47		3.85	-0.27	0.019
152.50	-6.85	-0.86	0.00	-10.20	0.00	10.20	1658.23	829.11	1724.52	851.67		3.99	-0.27	0.016
155.00	-4.43	-0.67	0.00	-8.06	0.00	8.06	1632.53	816.27	1658.75	819.19		4.14	-0.27	0.013
160.00	-4.05	-0.64	0.00	-4.68	0.00	4.68	1571.93	785.97	1521.98	751.65		4.43	-0.28	0.009
165.00	-0.75	-0.16	0.00	-1.49	0.00	1.49	1495.17	747.59	1376.14	679.62		4.72	-0.28	0.003
170.00	-0.45	-0.11	0.00	-0.67	0.00	0.67	1418.42	709.21	1237.64	611.22		5.02	-0.28	0.001
175.00	-0.16	-0.04	0.00	-0.13	0.00	0.13	1341.66	670.83	1106.49	546.45		5.32	-0.28	0.000
178.00	0.00	-0.04	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33		5.50	-0.28	0.000

Wind Loading - Shaft

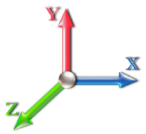
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	252.27	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	247.29	1.000	0.000	5.00	24.879	24.88	167.7	0.0	1566.2
10.00		1.00	0.70	6.129	6.74	242.31	1.000	0.000	5.00	24.383	24.38	164.4	0.0	1534.7
15.00		1.00	0.70	6.129	6.74	237.33	1.000	0.000	5.00	23.887	23.89	161.0	0.0	1503.2
20.00		1.00	0.70	6.129	6.74	232.35	1.000	0.000	5.00	23.391	23.39	157.7	0.0	1471.7
25.00		1.00	0.70	6.129	6.74	227.37	1.000	0.000	5.00	22.895	22.89	154.3	0.0	1440.2
30.00		1.00	0.70	6.134	6.75	222.49	1.000	0.000	5.00	22.399	22.40	151.1	0.0	1408.7
32.83	Bot - Section 2	1.00	0.72	6.294	6.92	222.51	1.000	0.000	2.83	12.473	12.47	86.4	0.0	784.3
35.00		1.00	0.73	6.410	7.05	222.35	1.000	0.000	2.17	9.606	9.61	67.7	0.0	1159.5
40.00	Top - Section 1	1.00	0.76	6.659	7.33	221.44	1.000	0.000	5.00	21.811	21.81	159.8	0.0	2632.1
45.00		1.00	0.79	6.887	7.58	224.22	1.000	0.000	5.00	21.315	21.32	161.5	0.0	1256.9
50.00		1.00	0.81	7.098	7.81	222.26	1.000	0.000	5.00	20.819	20.82	162.5	0.0	1227.4
55.00		1.00	0.83	7.294	8.02	219.88	1.000	0.000	5.00	20.323	20.32	163.1	0.0	1197.9
60.00		1.00	0.85	7.477	8.22	217.13	1.000	0.000	5.00	19.827	19.83	163.1	0.0	1168.3
65.00		1.00	0.87	7.650	8.42	214.06	1.000	0.000	5.00	19.331	19.33	162.7	0.0	1138.8
70.00		1.00	0.89	7.814	8.60	210.72	1.000	0.000	5.00	18.835	18.84	161.9	0.0	1109.3
75.00		1.00	0.91	7.969	8.77	207.12	1.000	0.000	5.00	18.339	18.34	160.8	0.0	1079.8
77.92	Bot - Section 3	1.00	0.92	8.057	8.86	204.92	1.000	0.000	2.92	10.481	10.48	92.9	0.0	616.9
80.00		1.00	0.93	8.118	8.93	203.31	1.000	0.000	2.08	7.520	7.52	67.1	0.0	846.8
84.00	Top - Section 2	1.00	0.94	8.232	9.05	200.11	1.000	0.000	4.00	14.231	14.23	128.9	0.0	1601.9
85.00		1.00	0.94	8.260	9.09	203.70	1.000	0.000	1.00	3.494	3.49	31.7	0.0	192.0
90.00		1.00	0.96	8.396	9.24	199.54	1.000	0.000	5.00	17.229	17.23	159.1	0.0	946.8
95.00		1.00	0.97	8.526	9.38	195.21	1.000	0.000	5.00	16.733	16.73	156.9	0.0	919.2
100.00		1.00	0.99	8.652	9.52	190.73	1.000	0.000	5.00	16.237	16.24	154.5	0.0	891.7
105.00		1.00	1.00	8.774	9.65	186.11	1.000	0.000	5.00	15.741	15.74	151.9	0.0	864.1
110.00		1.00	1.02	8.891	9.78	181.35	1.000	0.000	5.00	15.245	15.24	149.1	0.0	836.6
115.00		1.00	1.03	9.005	9.91	176.47	1.000	0.000	5.00	14.749	14.75	146.1	0.0	809.0
120.00		1.00	1.04	9.115	10.03	171.47	1.000	0.000	5.00	14.253	14.25	142.9	0.0	781.4
124.08	Bot - Section 4	1.00	1.05	9.202	10.12	167.31	1.000	0.000	4.08	11.272	11.27	114.1	0.0	617.7
125.00	Appurtenance(s)	1.00	1.05	9.222	10.14	166.37	1.000	0.000	0.92	2.529	2.53	25.7	0.0	225.7
126.00	Appurtenance(s)	1.00	1.06	9.243	10.17	165.33	1.000	0.000	1.00	2.740	2.74	27.9	0.0	244.5
129.00	Top - Section 3	1.00	1.06	9.305	10.24	162.21	1.000	0.000	3.00	8.102	8.10	82.9	0.0	722.6
130.00		1.00	1.07	9.326	10.26	164.16	1.000	0.000	1.00	2.661	2.66	27.3	0.0	94.2
135.00	Appurtenance(s)	1.00	1.08	9.427	10.37	158.87	1.000	0.000	5.00	13.007	13.01	134.9	0.0	460.3
140.00		1.00	1.09	9.525	10.48	153.49	1.000	0.000	5.00	12.511	12.51	131.1	0.0	442.6
145.00	Appurtenance(s)	1.00	1.10	9.621	10.58	148.03	1.000	0.000	5.00	12.015	12.02	127.2	0.0	424.8
150.00		1.00	1.11	9.715	10.69	142.47	1.000	0.000	5.00	11.519	11.52	123.1	0.0	407.1
152.50	Appurtenance(s)	1.00	1.11	9.761	10.74	139.67	1.000	0.000	2.50	5.574	5.57	59.8	0.0	196.9
155.00	Appurtenance(s)	1.00	1.12	9.806	10.79	136.84	1.000	0.000	2.50	5.450	5.45	58.8	0.0	192.5
160.00		1.00	1.13	9.896	10.89	131.14	1.000	0.000	5.00	10.527	10.53	114.6	0.0	371.7
165.00	Appurtenance(s)	1.00	1.14	9.983	10.98	125.36	1.000	0.000	5.00	10.031	10.03	110.2	0.0	354.0
170.00		1.00	1.15	10.069	11.08	119.51	1.000	0.000	5.00	9.535	9.54	105.6	0.0	336.3
175.00		1.00	1.16	10.152	11.17	113.60	1.000	0.000	5.00	9.039	9.04	100.9	0.0	318.5
178.00		1.00	1.17	10.202	11.22	110.02	1.000	0.000	3.00	5.185	5.19	58.2	0.0	182.6
								Totals:	**178.00**			**5,189.1**		**36,577.3**

Discrete Appurtenance Forces

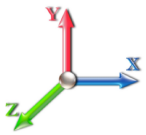
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 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	165.00	Platform w/ Hand Rails	1	9.983	10.981	1.00	1.00	40.00	2000.00	0.000	0.000	439.25	0.00	0.00
2	165.00	Reinf. Kit (SitePro1	3	9.983	10.981	0.75	1.00	7.88	285.00	0.000	0.000	86.48	0.00	0.00
3	165.00	Kathrein 782 11056	3	9.983	10.981	0.58	0.75	0.23	5.40	0.000	0.000	2.51	0.00	0.00
4	165.00	RFS	3	9.983	10.981	0.55	0.75	5.93	56.10	0.000	0.000	65.11	0.00	0.00
5	165.00	(3) SFS-H-L (V-Braces)	1	9.983	10.981	1.00	1.00	6.70	230.00	0.000	0.000	73.58	0.00	0.00
6	165.00	Ericsson 4449 B71 + B85	3	9.983	10.981	0.50	0.75	2.97	213.00	0.000	0.000	32.61	0.00	0.00
7	165.00	Ericsson KRY 112 489/2	6	9.983	10.981	0.50	0.75	1.96	92.40	0.000	0.000	21.52	0.00	0.00
8	165.00	RFS	3	9.983	10.981	0.52	0.75	31.88	368.40	0.000	0.000	350.06	0.00	0.00
9	155.00	KMW AM-X-CD-17-65-00T	1	9.806	10.787	0.56	0.75	2.81	30.80	0.000	0.000	30.34	0.00	0.00
10	155.00	Powerwave	1	9.806	10.787	0.56	0.75	6.43	59.00	0.000	0.000	69.41	0.00	0.00
11	155.00	Powerwave 7770	6	9.806	10.787	0.54	0.75	17.95	162.00	0.000	0.000	193.62	0.00	0.00
12	155.00	Platform w/ Hand Rails	1	9.806	10.787	1.00	1.00	40.00	2000.00	0.000	0.000	431.48	0.00	0.00
13	155.00	Nokia CS72188.01	1	9.806	10.787	0.50	0.75	0.66	19.80	0.000	0.000	7.15	0.00	0.00
14	155.00	Kathrein 800 10764	1	9.806	10.787	0.56	0.75	3.31	40.80	0.000	0.000	35.68	0.00	0.00
15	155.00	Powerwave LGP21401	6	9.806	10.787	0.50	0.75	3.89	84.60	0.000	0.000	41.95	0.00	0.00
16	155.00	Powerwave LGP21903	6	9.806	10.787	0.50	0.75	0.81	33.00	0.000	0.000	8.78	0.00	0.00
17	152.50	Ring Mount (Part No	1	9.761	10.737	1.00	1.00	5.00	150.00	0.000	0.000	53.68	0.00	0.00
18	152.50	Raycap DC2-48-60-18-8F	1	9.761	10.737	0.90	0.90	1.32	32.80	0.000	0.000	14.20	0.00	0.00
19	152.50	Ericsson RRUS11 RRUs	6	9.761	10.737	0.60	0.90	11.79	306.00	0.000	0.000	126.64	0.00	0.00
20	145.00	ALU TD-RRH8x20-25-	3	9.621	10.583	0.50	0.75	6.11	210.00	0.000	0.000	64.62	0.00	0.00
21	145.00	ALU 800 Mhz- RRUs	6	9.621	10.583	0.50	0.75	7.51	318.00	0.000	0.000	79.45	0.00	0.00
22	145.00	ALU 1900 Mhz- RRUs	3	9.621	10.583	0.50	0.75	4.18	180.00	0.000	0.000	44.19	0.00	0.00
23	145.00	PRK-1245 (kicker kit)	1	9.621	10.583	1.00	1.00	9.50	464.91	0.000	0.000	100.54	0.00	0.00
24	145.00	(3) SFS-H-L (V-Braces)	1	9.621	10.583	1.00	1.00	6.70	230.00	0.000	0.000	70.91	0.00	0.00
25	145.00	NNVV-65B-R4	3	9.621	10.583	0.55	0.75	20.43	232.20	0.000	0.000	216.21	0.00	0.00
26	145.00	APXVTM14-C-I20	3	9.621	10.583	0.58	0.75	10.98	168.60	0.000	0.000	116.25	0.00	0.00
27	145.00	Platform w/ Hand Rails	1	9.621	10.583	1.00	1.00	40.00	2000.00	0.000	0.000	423.33	0.00	0.00
28	135.00	RDIDC-9181-PF-48	1	9.427	10.369	1.00	1.00	2.01	21.85	0.000	0.000	20.84	0.00	0.00
29	135.00	TA08025-B604	3	9.427	10.369	0.50	0.75	2.95	191.70	0.000	0.000	30.64	0.00	0.00
30	135.00	TA08025-B605	3	9.427	10.369	0.50	0.75	2.95	225.00	0.000	0.000	30.64	0.00	0.00
31	135.00	MC-PK8-DSH	1	9.427	10.369	1.00	1.00	37.59	1727.00	0.000	0.000	389.79	0.00	0.00
32	135.00	MX08FRO665-21	3	9.427	10.369	0.55	0.75	20.80	193.50	0.000	0.000	215.64	0.00	0.00
33	126.00	GPS	1	9.243	10.167	1.00	1.00	1.00	4.00	0.000	0.000	10.17	0.00	0.00
34	125.00	RFS DB-T1-6Z-8AB-0Z	2	9.222	10.144	0.80	0.80	6.56	88.00	0.000	0.000	66.54	0.00	0.00
35	125.00	Antel	6	9.222	10.144	0.56	0.75	8.73	72.00	0.000	0.000	88.52	0.00	0.00
36	125.00	VZWSMART	1	9.222	10.144	1.00	1.00	2.50	150.60	0.000	0.000	25.36	0.00	0.00
37	125.00	VZWSMART	1	9.222	10.144	1.00	1.00	9.50	464.91	0.000	0.000	96.37	0.00	0.00
38	125.00	Handrail Kit (P2 1/2 STD)	1	9.222	10.144	1.00	1.00	6.75	261.72	0.000	0.000	68.47	0.00	0.00
39	125.00	RF4440d-13A	3	9.222	10.144	0.50	0.75	2.20	210.99	0.000	0.000	22.33	0.00	0.00
40	125.00	RF4439d-25A	3	9.222	10.144	0.50	0.75	2.20	224.10	0.000	0.000	22.33	0.00	0.00
41	125.00	MT6407-77A	3	9.222	10.144	0.52	0.75	7.39	261.30	0.000	0.000	74.93	0.00	0.00
42	125.00	MX06FRO660-03	6	9.222	10.144	0.65	0.75	38.64	360.00	0.000	0.000	391.97	0.00	0.00
43	125.00	Low Profile Platform	1	9.222	10.144	1.00	1.00	25.00	1200.00	0.000	0.000	253.60	0.00	0.00
							Totals:		**15,629.48**			**5,007.71**		

Total Applied Force Summary

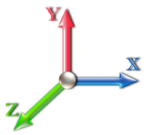
Structure:	CT00594-S-SBA		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 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		167.72	1663.57	0.00	0.00
10.00		164.38	1753.44	0.00	0.00
15.00		161.03	1721.95	0.00	0.00
20.00		157.69	1690.45	0.00	0.00
25.00		154.35	1658.95	0.00	0.00
30.00		151.13	1627.45	0.00	0.00
32.83		86.35	908.24	0.00	0.00
35.00		67.73	1254.35	0.00	0.00
40.00		159.77	2850.91	0.00	0.00
45.00		161.48	1475.70	0.00	0.00
50.00		162.55	1446.17	0.00	0.00
55.00		163.05	1416.65	0.00	0.00
60.00		163.08	1387.12	0.00	0.00
65.00		162.68	1357.59	0.00	0.00
70.00		161.89	1328.06	0.00	0.00
75.00		160.77	1298.53	0.00	0.00
77.92		92.89	744.68	0.00	0.00
80.00		67.15	937.77	0.00	0.00
84.00		128.86	1777.10	0.00	0.00
85.00		31.74	235.63	0.00	0.00
90.00		159.11	1165.59	0.00	0.00
95.00		156.93	1138.03	0.00	0.00
100.00		154.53	1110.47	0.00	0.00
105.00		151.91	1082.91	0.00	0.00
110.00		149.09	1055.35	0.00	0.00
115.00		146.09	1027.79	0.00	0.00
120.00		142.90	1000.23	0.00	0.00
124.08		114.10	796.41	0.00	0.00
125.00	(27) attachments	1136.07	3559.43	0.00	0.00
126.00	(1) attachments	38.03	278.44	0.00	0.00
129.00		82.93	812.46	0.00	0.00
130.00		27.30	124.14	0.00	0.00
135.00	(11) attachments	822.43	2969.11	0.00	0.00
140.00		131.09	587.34	0.00	0.00
145.00	(21) attachments	1242.67	4373.34	0.00	0.00
150.00		123.10	532.83	0.00	0.00
152.50	(8) attachments	254.37	748.57	0.00	0.00
155.00	(23) attachments	877.20	2685.34	0.00	0.00
160.00		114.59	429.79	0.00	0.00
165.00	(23) attachments	1181.28	3662.38	0.00	0.00
170.00		105.61	336.26	0.00	0.00
175.00		100.95	318.54	0.00	0.00
178.00		58.19	182.62	0.00	0.00
	Totals:	**10,196.76**	**58,511.68**	**0.00**	**0.00**

Linear Appurtenance Segment Forces (Factored)

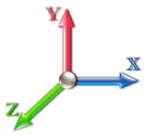
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	2.00	0.000	2.00	0.33	0.00	0.013	0.000	6.129	0.00	22.88
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	6.129	0.00	4.40
5.00	1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.013	0.000	6.129	0.00	0.32
10.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.034	0.000	6.129	0.00	57.20
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	6.129	0.00	11.00
10.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.034	0.000	6.129	0.00	0.80
15.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.035	0.000	6.129	0.00	57.20
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	6.129	0.00	11.00
15.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.035	0.000	6.129	0.00	0.80
20.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	6.129	0.00	57.20
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	6.129	0.00	11.00
20.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	6.129	0.00	0.80
25.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.036	0.000	6.129	0.00	57.20
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	6.129	0.00	11.00
25.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.036	0.000	6.129	0.00	0.80
30.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.037	0.000	6.134	0.00	57.20
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	6.134	0.00	11.00
30.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.037	0.000	6.134	0.00	0.80
32.83	1 5/8" Coax	Yes	2.83	0.000	2.00	0.47	0.00	0.038	0.000	6.294	0.00	32.41
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	6.294	0.00	6.23
32.83	1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	0.038	0.000	6.294	0.00	0.45
35.00	1 5/8" Coax	Yes	2.17	0.000	2.00	0.36	0.00	0.038	0.000	6.410	0.00	24.79
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	6.410	0.00	4.77
35.00	1/2" Coax	Yes	2.17	0.000	0.00	0.00	0.00	0.038	0.000	6.410	0.00	0.35
40.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	6.659	0.00	57.20
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	6.659	0.00	11.00
40.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	6.659	0.00	0.80
45.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.039	0.000	6.887	0.00	57.20
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	6.887	0.00	11.00
45.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.039	0.000	6.887	0.00	0.80
50.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.040	0.000	7.098	0.00	57.20
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	7.098	0.00	11.00
50.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.040	0.000	7.098	0.00	0.80
55.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.041	0.000	7.294	0.00	57.20
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	7.294	0.00	11.00
55.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.041	0.000	7.294	0.00	0.80
60.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.042	0.000	7.477	0.00	57.20
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	7.477	0.00	11.00
60.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.042	0.000	7.477	0.00	0.80
65.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.043	0.000	7.650	0.00	57.20
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	7.650	0.00	11.00
65.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.043	0.000	7.650	0.00	0.80
70.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.044	0.000	7.814	0.00	57.20
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	7.814	0.00	11.00
70.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.044	0.000	7.814	0.00	0.80
75.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.045	0.000	7.969	0.00	57.20
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	7.969	0.00	11.00

Linear Appurtenance Segment Forces (Factored)

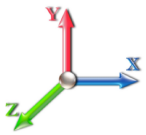
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
75.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.045	0.000	7.969	0.00	0.80
77.92	1 5/8" Coax	Yes	2.92	0.000	2.00	0.49	0.00	0.046	0.000	8.057	0.00	33.40
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	8.057	0.00	6.42
77.92	1/2" Coax	Yes	2.92	0.000	0.00	0.00	0.00	0.046	0.000	8.057	0.00	0.47
80.00	1 5/8" Coax	Yes	2.08	0.000	2.00	0.35	0.00	0.047	0.000	8.118	0.00	23.80
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	8.118	0.00	4.58
80.00	1/2" Coax	Yes	2.08	0.000	0.00	0.00	0.00	0.047	0.000	8.118	0.00	0.33
84.00	1 5/8" Coax	Yes	4.00	0.000	2.00	0.67	0.00	0.048	0.000	8.232	0.00	45.80
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	8.232	0.00	8.81
84.00	1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	0.048	0.000	8.232	0.00	0.64
85.00	1 5/8" Coax	Yes	1.00	0.000	2.00	0.17	0.00	0.048	0.000	8.260	0.00	11.40
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	8.260	0.00	2.19
85.00	1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.048	0.000	8.260	0.00	0.16
90.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.048	0.000	8.396	0.00	57.20
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	8.396	0.00	11.00
90.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.048	0.000	8.396	0.00	0.80
95.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.050	0.000	8.526	0.00	57.20
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	8.526	0.00	11.00
95.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.050	0.000	8.526	0.00	0.80
100.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.051	0.000	8.652	0.00	57.20
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	8.652	0.00	11.00
100.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.051	0.000	8.652	0.00	0.80
105.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.053	0.000	8.774	0.00	57.20
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	8.774	0.00	11.00
105.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.053	0.000	8.774	0.00	0.80
110.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.055	0.000	8.891	0.00	57.20
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	8.891	0.00	11.00
110.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.055	0.000	8.891	0.00	0.80
115.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.057	0.000	9.005	0.00	57.20
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	9.005	0.00	11.00
115.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.057	0.000	9.005	0.00	0.80
120.00	1 5/8" Coax	Yes	5.00	0.000	2.00	0.83	0.00	0.058	0.000	9.115	0.00	57.20
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	9.115	0.00	11.00
120.00	1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	9.115	0.00	0.80
124.08	1 5/8" Coax	Yes	4.08	0.000	2.00	0.68	0.00	0.060	0.000	9.202	0.00	46.71
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	9.202	0.00	8.98
124.08	1/2" Coax	Yes	4.08	0.000	0.00	0.00	0.00	0.060	0.000	9.202	0.00	0.65
125.00	1 5/8" Coax	Yes	0.92	0.000	2.00	0.15	0.00	0.061	0.000	9.222	0.00	10.49
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	9.222	0.00	2.02
125.00	1/2" Coax	Yes	0.92	0.000	0.00	0.00	0.00	0.061	0.000	9.222	0.00	0.15
									Totals:		**0.0**	**1,683.6**

Calculated Forces

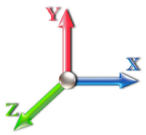
Structure:	CT00594-S-SBA	**Code:**	EIA/TIA-222-G	10/6/2021	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-58.51	-10.22	0.00	-1222.4	0.00	1222.46	6109.19	3054.60	14553.3	7187.37	0.00	0.000	0.000	0.180
5.00	-56.84	-10.09	0.00	-1171.3	0.00	1171.36	6042.67	3021.34	14105.8	6966.35	0.02	-0.043	0.000	0.178
10.00	-55.08	-9.97	0.00	-1120.9	0.00	1120.90	5973.91	2986.96	13659.5	6745.94	0.09	-0.087	0.000	0.175
15.00	-53.35	-9.85	0.00	-1071.0	0.00	1071.05	5902.91	2951.46	13214.8	6526.30	0.21	-0.131	0.000	0.173
20.00	-51.65	-9.73	0.00	-1021.8	0.00	1021.82	5829.67	2914.84	12771.9	6307.60	0.37	-0.177	0.000	0.171
25.00	-49.98	-9.61	0.00	-973.19	0.00	973.19	5754.19	2877.10	12331.3	6089.98	0.58	-0.223	0.000	0.168
30.00	-48.35	-9.48	0.00	-925.16	0.00	925.16	5676.47	2838.24	11893.2	5873.62	0.84	-0.269	0.000	0.166
32.83	-47.44	-9.41	0.00	-898.30	0.00	898.30	5631.44	2815.72	11646.2	5751.63	1.00	-0.296	0.000	0.165
35.00	-46.18	-9.36	0.00	-877.92	0.00	877.92	5596.51	2798.26	11457.9	5658.66	1.14	-0.317	0.000	0.163
40.00	-43.32	-9.22	0.00	-831.11	0.00	831.11	5104.93	2552.47	10419.5	5145.84	1.50	-0.366	0.000	0.170
45.00	-41.84	-9.09	0.00	-785.00	0.00	785.00	5033.50	2516.75	10032.9	4954.92	1.91	-0.415	0.000	0.167
50.00	-40.39	-8.95	0.00	-739.57	0.00	739.57	4959.83	2479.91	9648.87	4765.22	2.37	-0.464	0.000	0.163
55.00	-38.96	-8.81	0.00	-694.83	0.00	694.83	4883.92	2441.96	9267.55	4576.90	2.89	-0.515	0.000	0.160
60.00	-37.57	-8.66	0.00	-650.80	0.00	650.80	4805.76	2402.88	8889.36	4390.12	3.45	-0.565	0.000	0.156
65.00	-36.21	-8.52	0.00	-607.47	0.00	607.47	4725.37	2362.69	8514.61	4205.04	4.07	-0.617	0.000	0.152
70.00	-34.87	-8.38	0.00	-564.87	0.00	564.87	4642.74	2321.37	8143.62	4021.83	4.75	-0.668	0.000	0.148
75.00	-33.57	-8.22	0.00	-523.00	0.00	523.00	4557.87	2278.94	7776.72	3840.63	5.47	-0.720	0.000	0.144
77.92	-32.82	-8.14	0.00	-498.99	0.00	498.99	4507.27	2253.64	7564.46	3735.80	5.92	-0.751	0.000	0.141
80.00	-31.88	-8.07	0.00	-482.07	0.00	482.07	4470.76	2235.38	7414.22	3661.61	6.26	-0.773	0.000	0.139
84.00	-30.10	-7.93	0.00	-449.75	0.00	449.75	4079.95	2039.98	6768.85	3342.88	6.92	-0.815	0.000	0.142
85.00	-29.86	-7.92	0.00	-441.84	0.00	441.84	4064.53	2032.27	6704.51	3311.11	7.09	-0.826	0.000	0.141
90.00	-28.69	-7.76	0.00	-402.26	0.00	402.26	3985.82	1992.91	6384.01	3152.82	7.99	-0.878	0.000	0.135
95.00	-27.55	-7.61	0.00	-363.44	0.00	363.44	3904.88	1952.44	6067.57	2996.54	8.93	-0.929	0.000	0.128
100.00	-26.44	-7.46	0.00	-325.37	0.00	325.37	3803.39	1901.70	5727.93	2828.81	9.93	-0.980	0.000	0.122
105.00	-25.35	-7.32	0.00	-288.05	0.00	288.05	3683.99	1842.00	5371.89	2652.97	10.99	-1.029	0.000	0.115
110.00	-24.29	-7.17	0.00	-251.47	0.00	251.47	3564.59	1782.30	5027.27	2482.78	12.09	-1.077	0.000	0.108
115.00	-23.26	-7.02	0.00	-215.64	0.00	215.64	3445.19	1722.60	4694.07	2318.23	13.24	-1.123	0.000	0.100
120.00	-22.26	-6.87	0.00	-180.55	0.00	180.55	3325.79	1662.90	4372.30	2159.32	14.44	-1.165	0.000	0.090
124.08	-21.46	-6.75	0.00	-152.49	0.00	152.49	3228.28	1614.14	4118.00	2033.73	15.45	-1.198	0.000	0.082
125.00	-17.93	-5.54	0.00	-146.31	0.00	146.31	3206.39	1603.20	4061.96	2006.05	15.68	-1.205	0.000	0.079
126.00	-17.65	-5.50	0.00	-140.77	0.00	140.77	3182.51	1591.26	4001.26	1976.07	15.94	-1.213	0.000	0.077
129.00	-16.84	-5.40	0.00	-124.27	0.00	124.27	1872.41	936.20	2368.25	1169.59	16.71	-1.235	0.000	0.115
130.00	-16.71	-5.38	0.00	-118.86	0.00	118.86	1864.30	932.15	2340.16	1155.72	16.97	-1.242	0.000	0.112
135.00	-13.76	-4.50	0.00	-91.96	0.00	91.96	1822.43	911.21	2200.41	1086.70	18.29	-1.288	0.000	0.092
140.00	-13.17	-4.37	0.00	-69.43	0.00	69.43	1778.31	889.16	2062.08	1018.38	19.66	-1.328	0.000	0.076
145.00	-8.83	-3.03	0.00	-47.59	0.00	47.59	1731.96	865.98	1925.47	950.92	21.07	-1.360	0.000	0.055
150.00	-8.30	-2.89	0.00	-32.46	0.00	32.46	1683.36	841.68	1790.92	884.47	22.51	-1.385	0.000	0.042
152.50	-7.55	-2.62	0.00	-25.22	0.00	25.22	1658.23	829.11	1724.52	851.67	23.24	-1.395	0.000	0.034
155.00	-4.89	-1.68	0.00	-18.66	0.00	18.66	1632.53	816.27	1658.75	819.19	23.97	-1.404	0.000	0.026
160.00	-4.46	-1.56	0.00	-10.26	0.00	10.26	1571.93	785.97	1521.98	751.65	25.45	-1.415	0.000	0.016
165.00	-0.83	-0.29	0.00	-2.47	0.00	2.47	1495.17	747.59	1376.14	679.62	26.94	-1.421	0.000	0.004
170.00	-0.50	-0.17	0.00	-1.05	0.00	1.05	1418.42	709.21	1237.64	611.22	28.42	-1.423	0.000	0.002
175.00	-0.18	-0.06	0.00	-0.19	0.00	0.19	1341.66	670.83	1106.49	546.45	29.92	-1.424	0.000	0.000
178.00	0.00	-0.06	0.00	0.00	0.00	0.00	1295.60	647.80	1031.32	509.33	30.81	-1.424	0.000	0.000

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 105 mph Wind	50.1	0.00	70.12	0.00	0.00	6031.78
0.9D + 1.6W 105 mph Wind	50.1	0.00	52.57	0.00	0.00	5950.99
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.8	0.00	123.31	0.00	0.00	1439.34
1.2D + 1.0E	1.8	0.00	70.21	0.00	0.00	200.27
0.9D + 1.0E	1.8	0.00	52.66	0.00	0.00	197.45
1.0D + 1.0W 60 mph Wind	10.2	0.00	58.51	0.00	0.00	1222.46

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 105 mph Wind	-70.12	-50.10	0.00	-6031.7	0.00	-6031.7	6109.19	3054.6	14553.3	7187.37	0.00	0.851
0.9D + 1.6W 105 mph Wind	-52.57	-50.06	0.00	-5950.9	0.00	-5950.9	6109.19	3054.6	14553.3	7187.37	0.00	0.837
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-123.31	-10.83	0.00	-1439.3	0.00	-1439.3	6109.19	3054.6	14553.3	7187.37	0.00	0.220
1.2D + 1.0E	-20.34	-1.04	0.00	-33.80	0.00	-33.80	1872.41	936.20	2368.25	1169.59	129.00	0.040
0.9D + 1.0E	-15.25	-1.02	0.00	-33.27	0.00	-33.27	1872.41	936.20	2368.25	1169.59	129.00	0.037
1.0D + 1.0W 60 mph Wind	-58.51	-10.22	0.00	-1222.4	0.00	-1222.4	6109.19	3054.6	14553.3	7187.37	0.00	0.180

Base Plate Summary

Structure:	CT00594-S-SB		**Code:**	EIA/TIA-222-G	10/6/2021
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	5595.92
Axial (kip):	50.66
Shear (kip):	45.22
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	6031.78
Axial (kip):	70.12
Shear (kip):	50.10

Base Plate	
Yield (ksi):	60.00
Width (in):	72.81
Style:	Polygon
Polygon Sides:	12.00
Clip Length (in):	0.00
Effective Len (in):	12.43
Moment (kip-in):	794.81
Allow Stress (ksi):	81.00
Applied Stress (ksi):	42.93
Stress Ratio:	0.53

Anchor Bolts	
Bolt Circle:	66.81
Number Bolts:	24.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	15.00
Compression	
Force (kip):	185.70
Allowable (kip):	260.00
Ratio:	0.73
Tension	
Force (kip):	175.43
Allowable (kip):	260.00
Ratio:	0.69

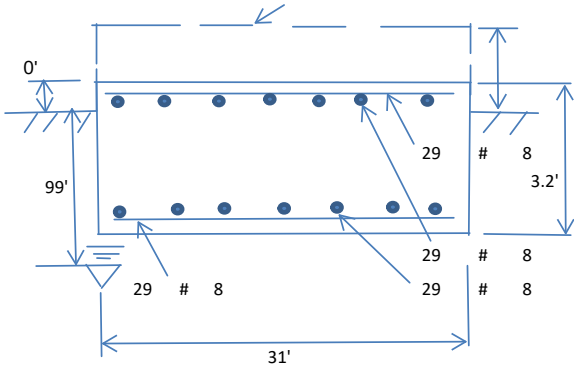
Monopole Mat Foundation Design

			Date: 7/9/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:		**Structure Height (Ft.):**	178
Site Number:	CT00594-S-SBA	**Engineer Name:**	D. Zhou
Engr. Number:	116994	**Engineer Login ID:**	

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

Analysis or Design? Analysis

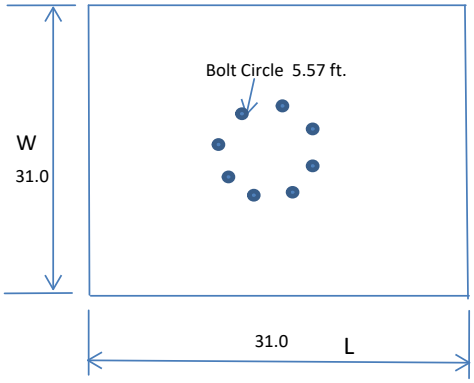


Base Reactions (Factored):

Axial Load (Kips):	70.1	Shear Force (Kips):	50.1
Uplift Force (Kips):	0.0	Moment (Kips-ft):	6032.4
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Anchor Bolt Circle (ft.):	5.57	Depth of Base BG (ft.):	3.20
Thickness of Pad (ft):	3.20		
Length of Pad (ft.):	31	Width of Pad (ft.):	31
Final Length of pad (ft)	31.0	Final width of pad (ft):	31.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):	60	Tie Spacing (in):	12.0	
Pad Steel Rebar Size (#):	8			
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	8000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00			

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	0.00	Total Dry Soil Weight (Kips):	0.00
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	0.00	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3075.20	Total Dry Concrete Weight (Kips):	461.28
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	461.28	Total Vertical Load on Base (Kips):	531.40

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2822	<	Allowable Factored Soil Bearing (psf): 6000	0.47	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7521.7	>	Design Factored Momont (kips-ft): 6195	0.82	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.21	OK!			

Check the capacities of Reinforceing Concrete:

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

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	1066.6	>	One-Way Factored Shear (L-D. Kips):	405.8	0.38	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1066.6	>	One-Way Factored Shear (W-D., Kips)	405.8	0.38	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	1299.6	>	One-Way Factored Shear (C-C, Kips):	651.7	0.50	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0018		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	3523.3	>	Moment at Bottom (L-Direct. K-Ft):	1938.8	0.55	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	3523.3	>	Moment at Bottom (W-Direct. K-Ft):	1938.8	0.55	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	4965.7	>	Moment at Bottom (C-C Dir. K-Ft):	2741.9	0.55	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Upper Steel Reinf. Ratio (W-Direct.):	0.0018		
Upper Steel Pad Moment Capacity (L-Direction. Kips-ft):	3523.3	>	Moment at the top (L-Dir Kips-Ft):	544.0	0.15	OK!
Upper Steel Pad Moment Capacity (W-Direction. Kips-ft):	3523.3	>	Moment at the top (W-Dir Kips-Ft):	544.0	0.15	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	4965.7	>	Moment at the top (C-C Direc. K-Ft):	888.0	0.18	OK!

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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10097864
Maser Consulting Connecticut Project #: 21777377A

August 26, 2021

Site Information	*Site ID:*	*468830-VZW / PLAINFIELD N CT*
	Site Name:	*PLAINFIELD N CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*548 Green Hollow Rd* *Plainfield, Connecticut 06374* *Windham County*
	Latitude:	*41.746003°*
	Longitude:	*-71.880158°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.33-Ft Platform*

FUZE ID # 16272609

Analysis Results

Platform: **80.7% 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: Zachary Bandilla

Digitally signed by Eric Anderson
Date: 2021.08.26 16:04:19-04'00'

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: 675014, dated August 13, 2021*
Mount Mapping Report	*Structural Components, Site ID: 16272609, dated March 18, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777377A, Dated August 20, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777377A, Dated August 26, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	123 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.989
Seismic Parameters:	S_S:	0.186
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
124.50	125.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Antel	LPA-80080/4CF	Retained
		2	Raycap	RHSDC-3315-PF-48	
		1	-	GPS	

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

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff	*16.8 %*	*Pass*
Grating Angle	*34.6 %*	*Pass*
Cross Members	*19.6 %*	*Pass*
Face Horizontal	*80.7 %*	*Pass*
Mount Pipe	*38.8 %*	*Pass*
Support Rail	*16.1 %*	*Pass*
Support Rail Angle	*24.9 %*	*Pass*
Kicker	*8.5 %*	*Pass*
Connection Check	*23.3 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**80.7%**

Recommendation:

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

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

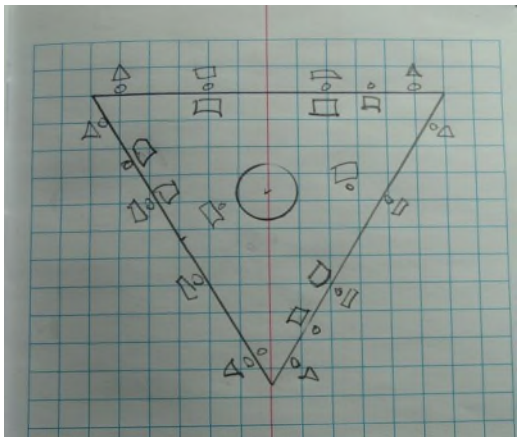
Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	3/18/2012
Site Name:	PLAINFIELD N CT	**Tower Type:**	Monopole
Site Number or ID:	16272609	**Tower Height (Ft.):**	180
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	125

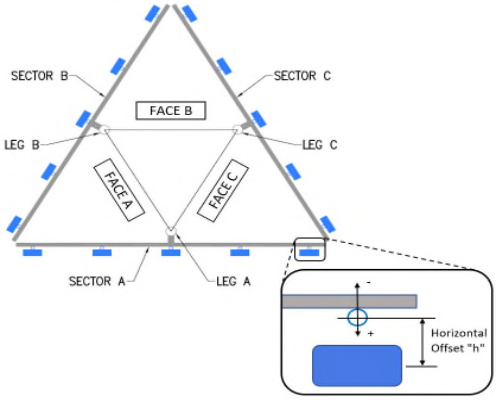


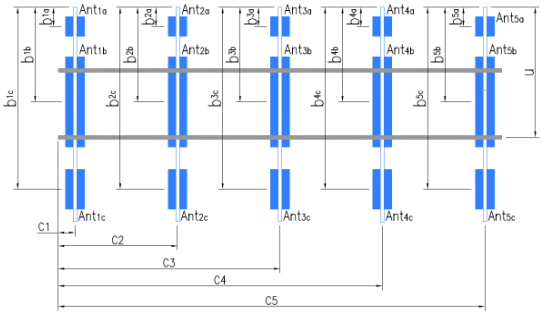
Mount Pipe Configuration and Geometries [Unit = Inches]

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."
	2-3/8 x 0.154 x 72				2-3/8 x 0.154 x 72		
	2-3/8 x 0.154 x 83				2-3/8 x 0.154 x 84		
	2-3/8 x 0.154 x 72				2-3/8 x 0.154 x 72		
	2-3/8 x 0.154 x 72				2-3/8 x 0.154 x 73		
	2-3/8 x 0.154 x 73				2-3/8 x 0.154 x 72		
	2-3/8 x 0.154 x 73						
	2-3/8 x 0.154 x 84						
	2-3/8 x 0.154 x 72						
	2-3/8 x 0.154 x 72						
	2-3/8 x 0.154 x 72						

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

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



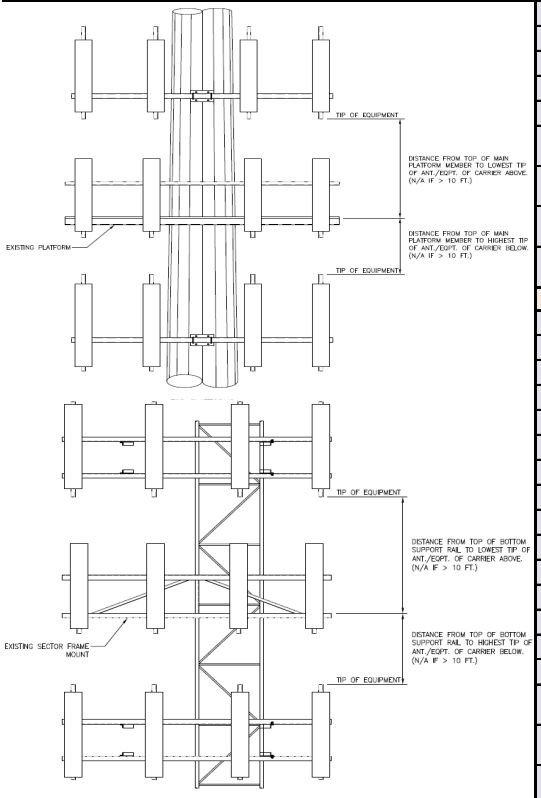


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b , b b , b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant										
Ant_{1b}				48.00	1-5/8 tx	125.667				
Ant_{1c}										
Ant	B4 RRH 2x60-4R			36.00	Jumpers	124.583				
Ant_{2b}				73.00	Jumpers	125.917				
Ant_{2c}										
Ant	B13 RRH 4x30			20.00	Jumpers	127.25				
Ant_{3b}				73.00	Jumpers	125.708				
Ant_{3c}										
Ant										
Ant_{4b}	B25 RRH 4x30			21.00	Jumpers	127.958				
Ant_{4c}										
Ant										
Ant_{5b}				48.00	1-5/8 tx	125.417				
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information		
Location:		Deg
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.



Sector B										
Ant										
Ant_{1b}				48.00	1-5/8 tx	125.333				
Ant_{1c}										
Ant	B4 RRH 2x60-4R			36.00	Jumpers	127				
Ant_{2b}				73.00	Jumpers	125.958				
Ant_{2c}										
Ant	B13 RRH 4x30			20.00	Jumpers	127.875				
Ant_{3b}				73.00	Jumpers	125.708				
Ant_{3c}										
Ant										
Ant_{4b}	B25 RRH 4x30			21.00	Jumpers	127.292				
Ant_{4c}										
Ant										
Ant_{5b}				48.00	1-5/8 tx	125.5				
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant										
Ant_{1b}				48.00	1-5/8 tx	125.5				
Ant_{1c}										
Ant	B4 RRH 2x60-4R			36.00	Jumpers	127.25				
Ant_{2b}				73.00	Jumpers	126.125				
Ant_{2c}										
Ant	B13 RRH 4x30			20.00	Jumpers	128.042				
Ant_{3b}				73.00	Jumpers	125.625				
Ant_{3c}										
Ant										
Ant_{4b}	B25 RRH 4x30			21.00	Jumpers	127.458				
Ant_{4c}										
Ant										
Ant_{5b}				48.00	1-5/8 tx	125.75				
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

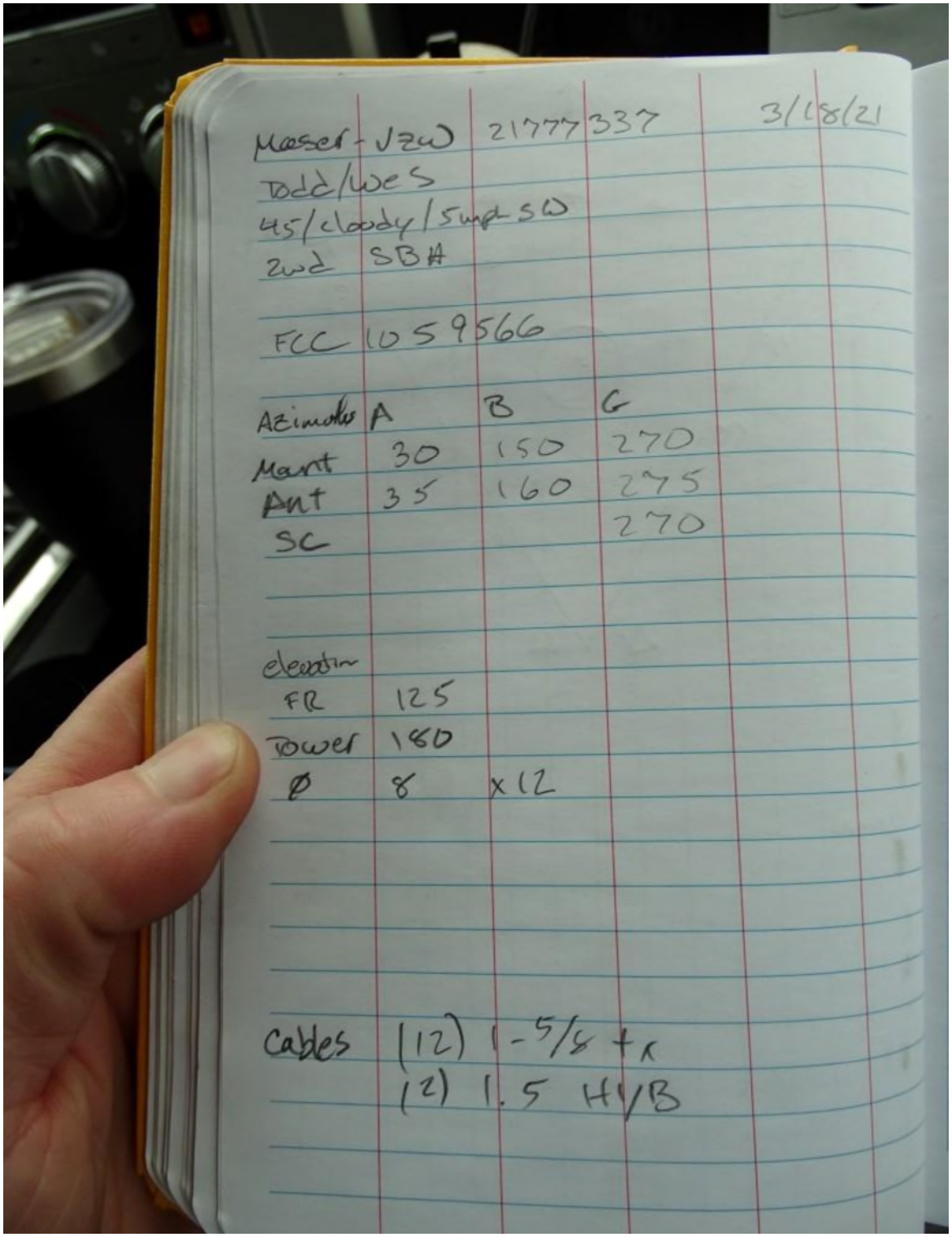
Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use 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.

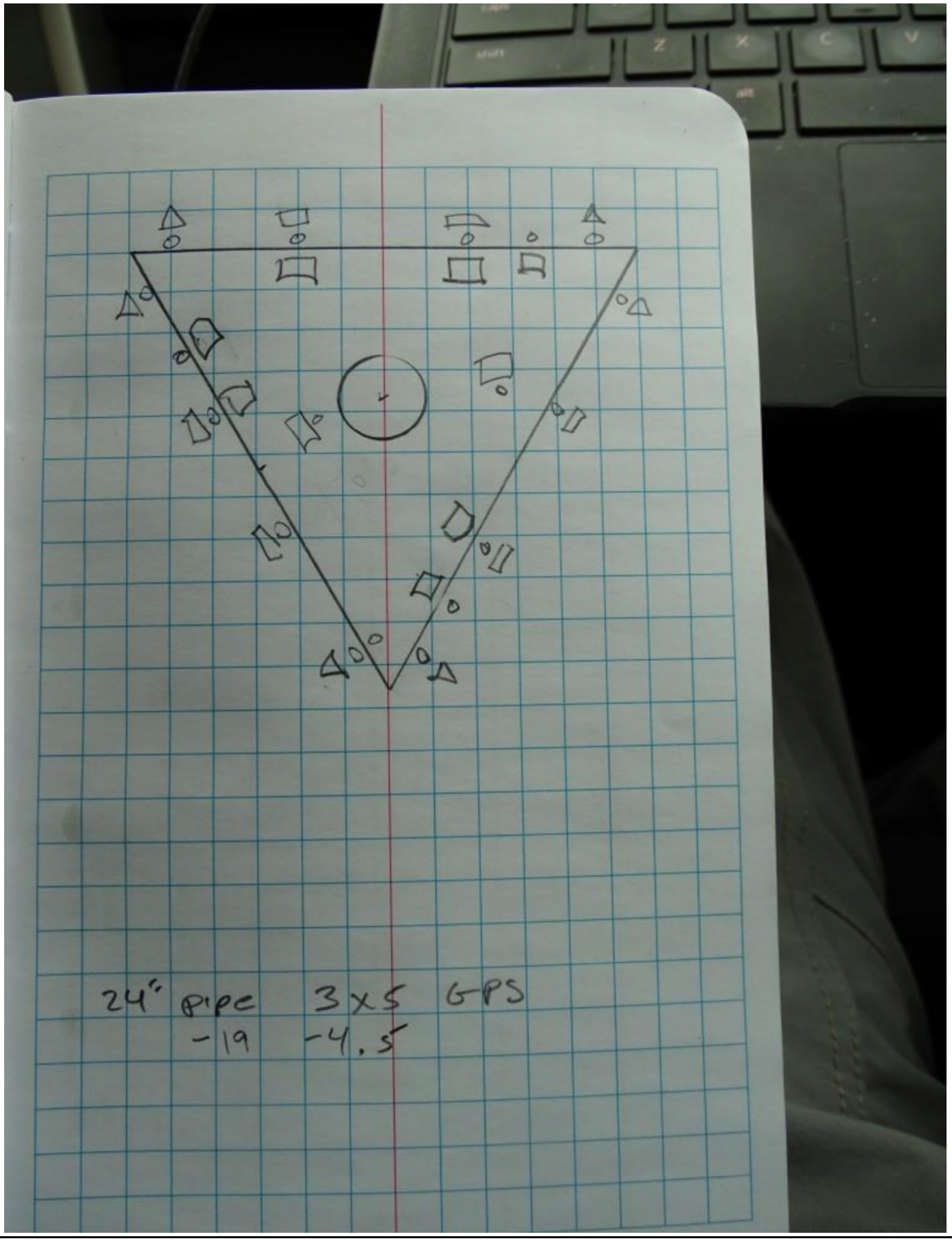
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	3/18/2012
Site Name:	PLAINFIELD N CT	**Tower Type:**	Monopole
Site Number or ID:	16272609	**Tower Height (Ft.):**	180
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	125

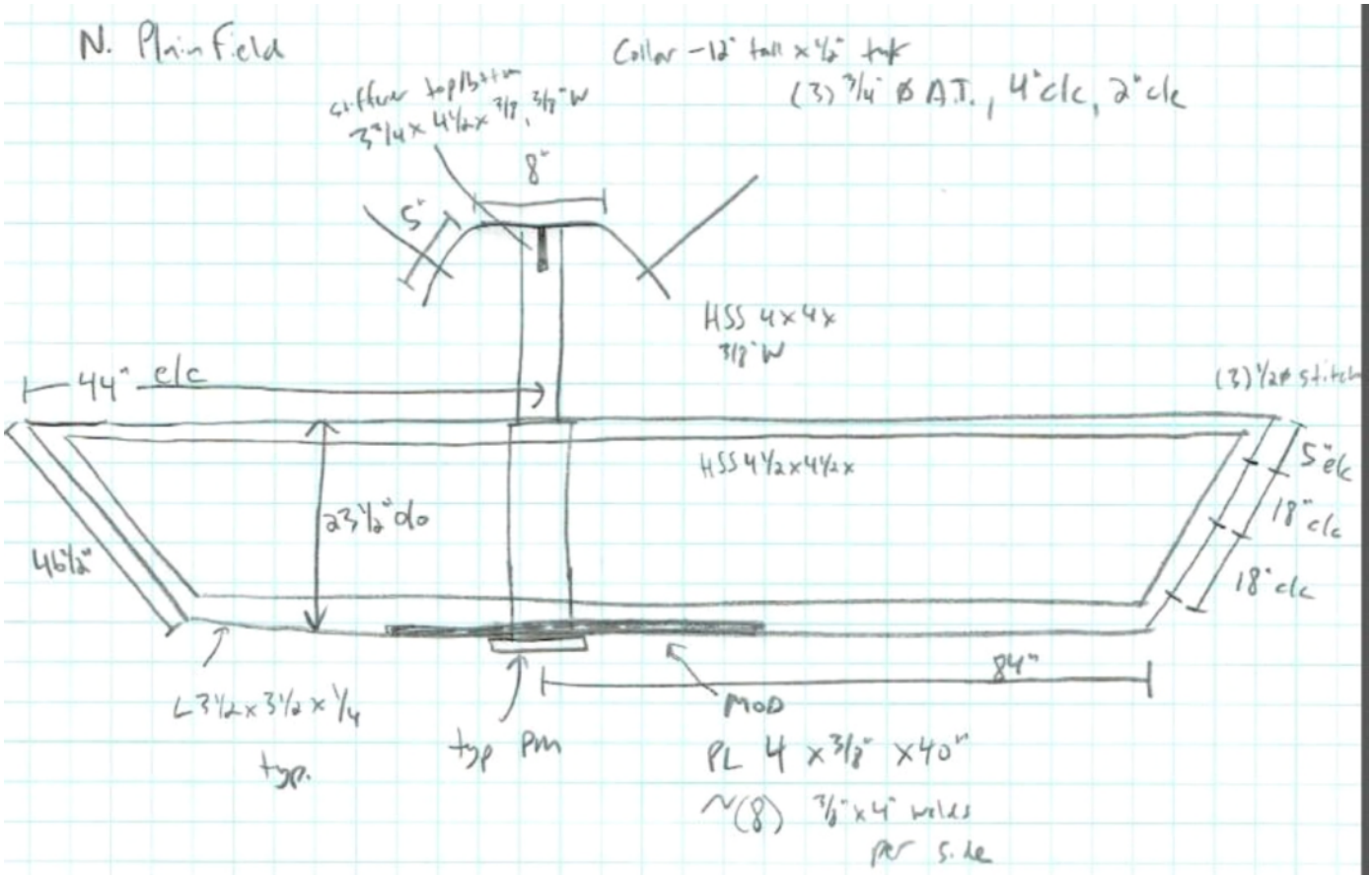
Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd



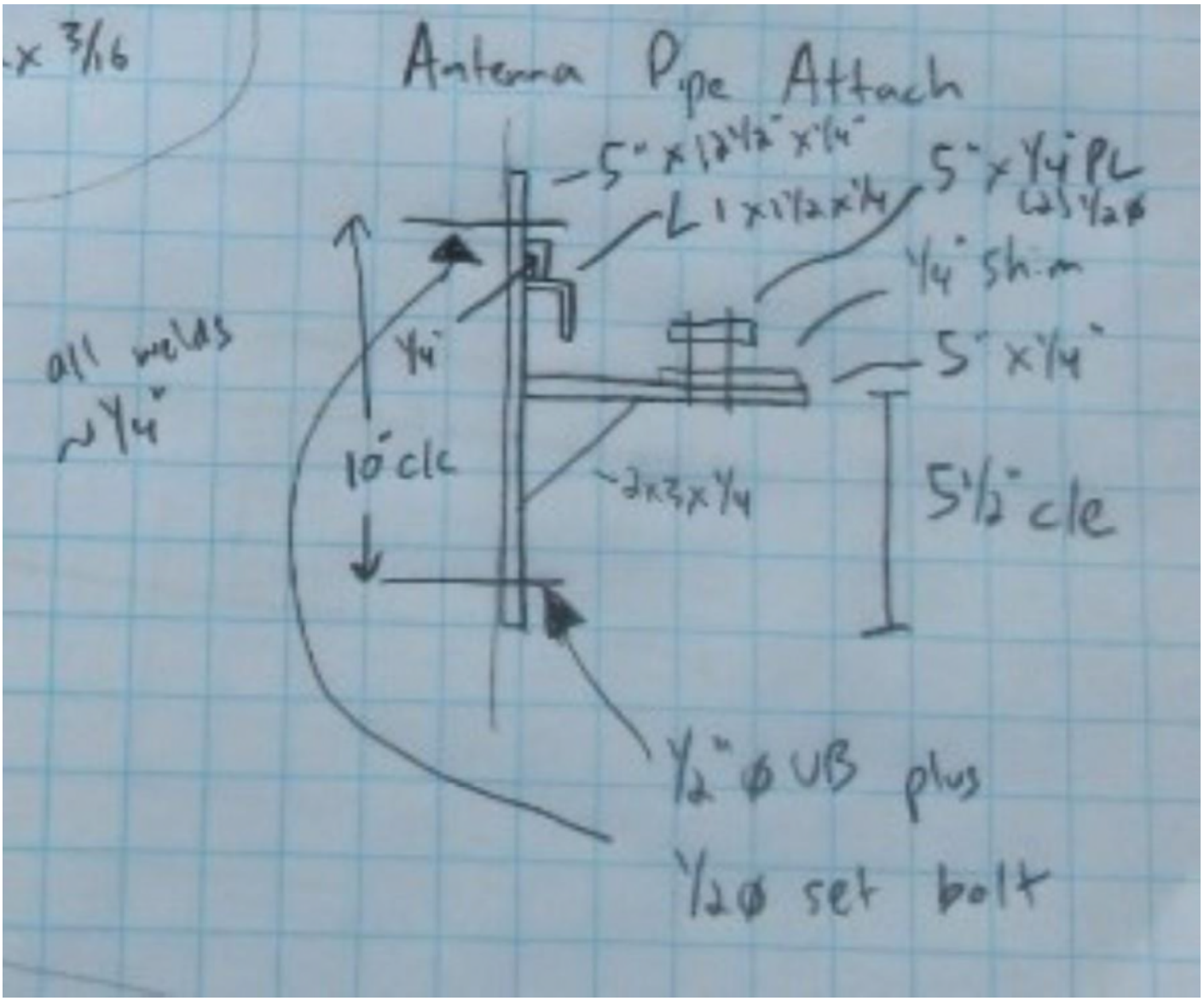
Please Insert Sketches of the Antenna Mount, cont'd

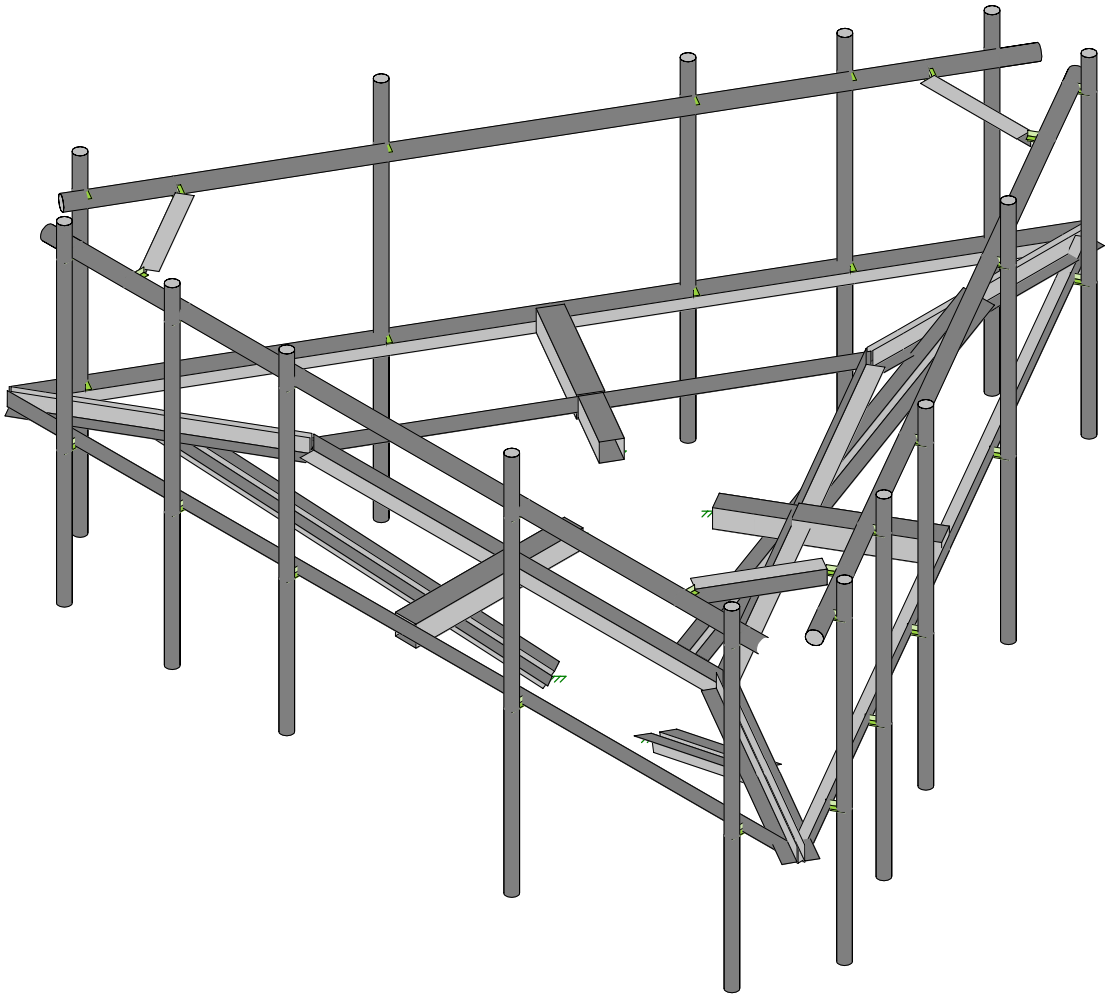


Position 4 PM - see Newington 2

Position 1-3, 5 PM - PL - 12 x 5 x 3/8, 3/8W to L
(2) 1/2 ø USB, 10" c/c

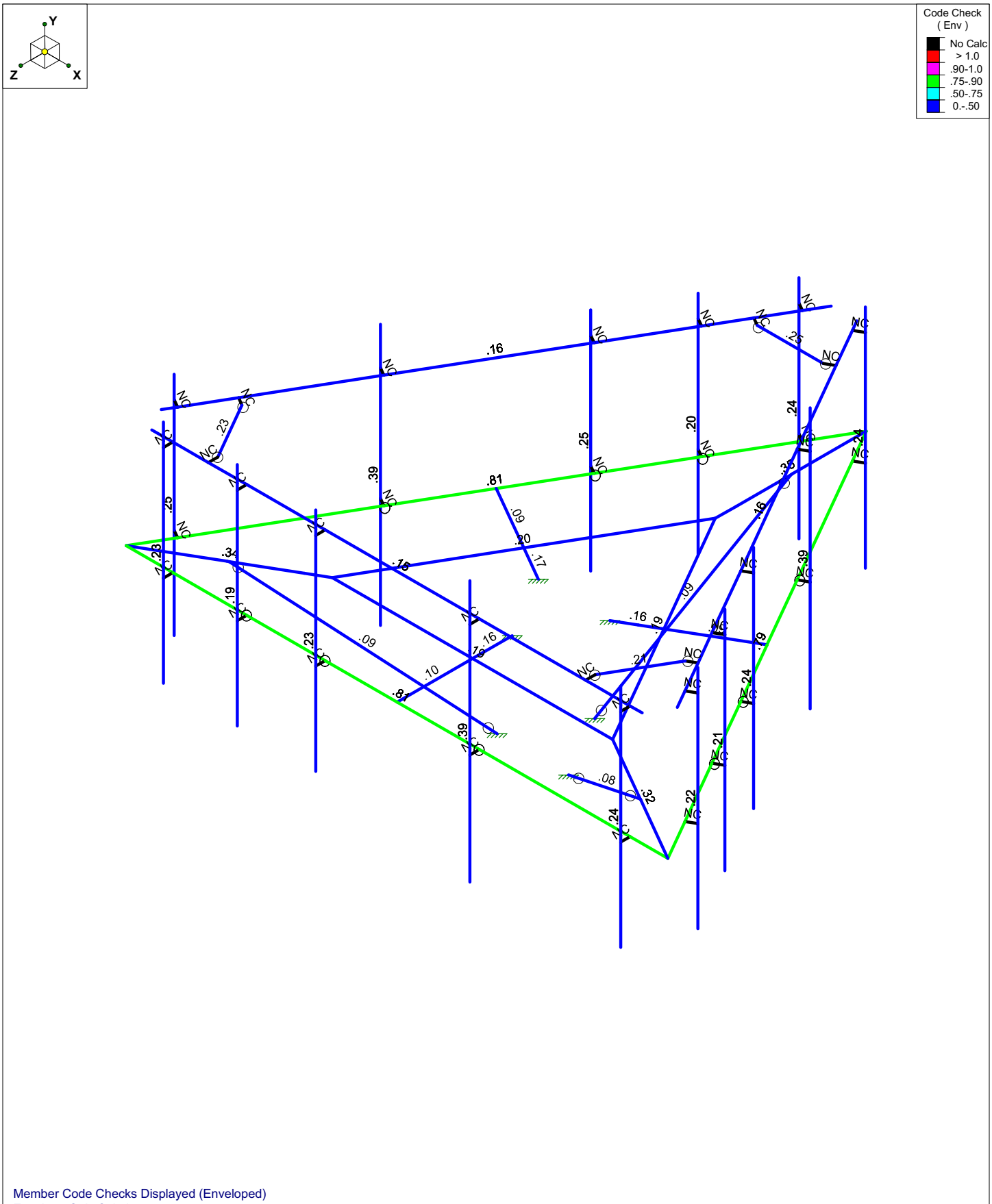
Please Insert Sketches of the Antenna Mount, cont'd





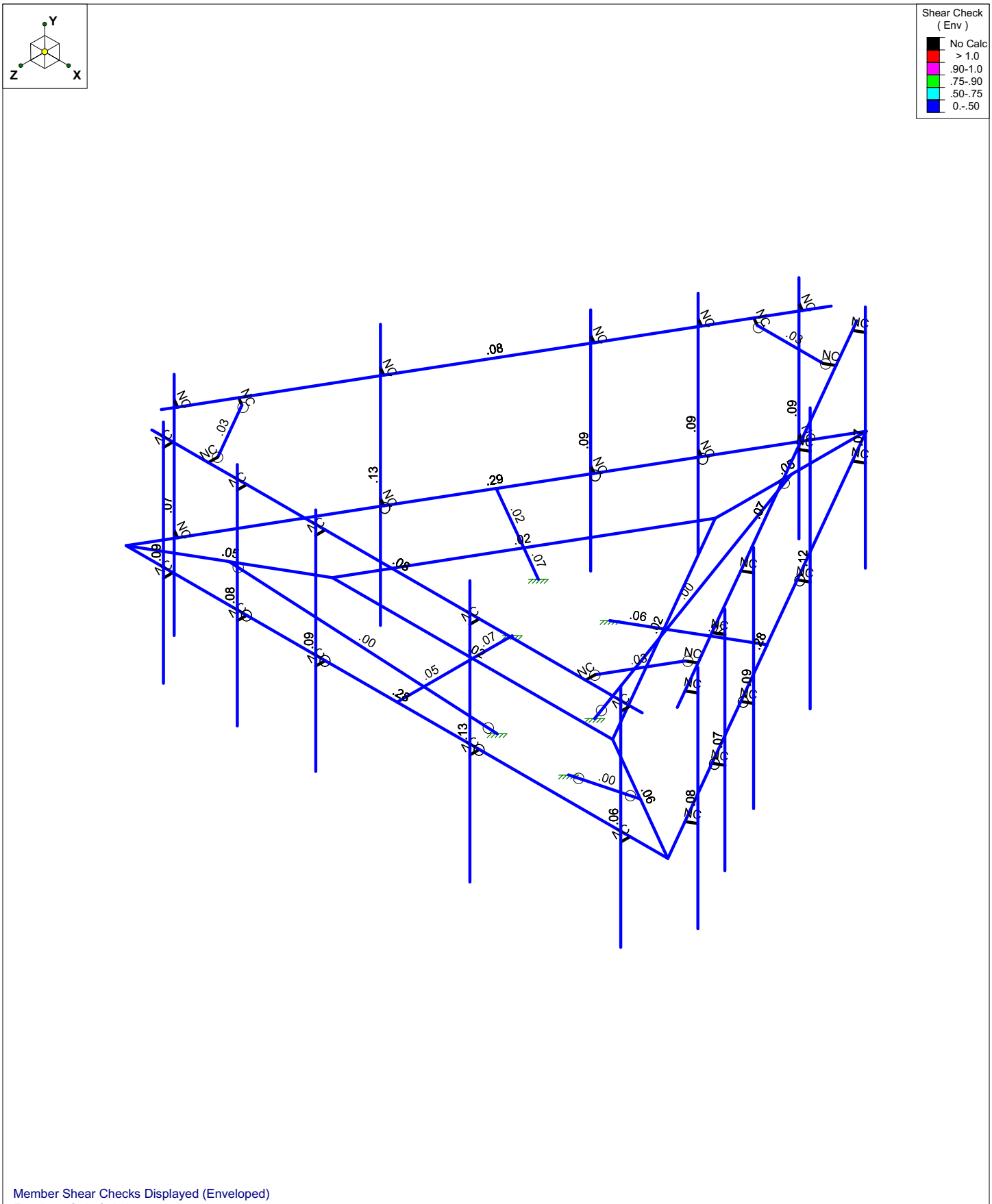
Envelope Only Solution

Maser Consulting	468830-VZW_MT_LO_H	SK - 1
MNC		Aug 25, 2021 at 8:34 AM
Project No. 10052209		468830-VZW_MT_LO_H - LOADE...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468830-VZW_MT_LO_H	SK - 2
MNC		Aug 25, 2021 at 8:34 AM
Project No. 10052209		468830-VZW_MT_LO_H - LOADE...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468830-VZW_MT_LO_H	SK - 3
MNC		Aug 25, 2021 at 8:34 AM
Project No. 10052209		468830-VZW_MT_LO_H - LOADE...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 Deg)	None					117			
32	Antenna Wm (150 Deg)	None					117			
33	Antenna Wm (180 Deg)	None					117			
34	Antenna Wm (210 Deg)	None					117			
35	Antenna Wm (240 Deg)	None					117			
36	Antenna Wm (270 Deg)	None					117			
37	Antenna Wm (300 Deg)	None					117			
38	Antenna Wm (330 Deg)	None					117			
39	Structure D	None		-1					3	
40	Structure Di	None						39	3	
41	Structure Wo (0 Deg)	None						78		
42	Structure Wo (30 Deg)	None						78		
43	Structure Wo (60 Deg)	None						78		
44	Structure Wo (90 Deg)	None						78		
45	Structure Wo (120 D...	None						78		
46	Structure Wo (150 D...	None						78		
47	Structure Wo (180 D...	None						78		
48	Structure Wo (210 D...	None						78		
49	Structure Wo (240 D...	None						78		
50	Structure Wo (270 D...	None						78		
51	Structure Wo (300 D...	None						78		
52	Structure Wo (330 D...	None						78		
53	Structure Wi (0 Deg)	None						78		
54	Structure Wi (30 Deg)	None						78		
55	Structure Wi (60 Deg)	None						78		
56	Structure Wi (90 Deg)	None						78		

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

Load Combinations

	Description	Solve	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Solve	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0.	0	-0.	0	
2	N2	0.	0	1.095417	0	
3	N10	-0.	0	-4.291667	0	
4	N11	-0.	0	-4.833334	0	
5	N12	-0.	0	-6.333334	0	
6	N13	-0.	0	-7.833334	0	
7	N14	-0.	0	-8.291667	0	
8	N15	-3.716693	0	2.145833	0	
9	N16	-7.180794	0	4.145833	0	
10	N17	3.716693	0	2.145833	0	
11	N18	7.180794	0	4.145833	0	
12	N15A	0.	0	2.145833	0	
13	N16A	0.	0	4.145833	0	
14	N15B	-4.18579	0	2.416667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16B	-5.484828	0	3.166667	0	
16	N17A	-6.783866	0	3.916667	0	
17	N18A	4.18579	0	2.416667	0	
18	N19	5.484828	0	3.166667	0	
19	N20	6.783866	0	3.916667	0	
20	N43	6.180798	0	4.145833	0	
21	N45	6.180798	0	4.395833	0	
22	N53	6.180798	3.583333	4.395833	0	
23	N54	6.180798	-2.416667	4.395833	0	
24	N67	3.597461	0	-2.060682	0	
25	N77	0.948658	0	-0.547709	0	
26	N78	1.858346	0	-1.072917	0	
27	N91	-3.583333	0	-2.085151	0	
28	N109	-0.948659	0	-0.547708	0	
29	N110	-1.858346	0	-1.072917	0	
30	N108A	3.590397	0	-2.072917	0	
31	N110A	-3.590397	0	-2.072917	0	
32	N119B	1.425334	0	-0.822917	0	
33	N34	2.180798	0	4.145833	0	
34	N35	2.180798	0	4.395833	0	
35	N36	2.180798	4	4.395833	0	
36	N37	2.180798	-2.916667	4.395833	0	
37	N39	-1.902536	0	4.145833	0	
38	N40	-1.902536	0	4.395833	0	
39	N41	-1.902536	3.583333	4.395833	0	
40	N42	-1.902536	-2.416667	4.395833	0	
41	N44	-3.985869	0	4.145833	0	
42	N45A	-3.985869	0	4.395833	0	
43	N46	-3.985869	3.583333	4.395833	0	
44	N47	-3.985869	-2.416667	4.395833	0	
45	N49	-5.944202	0	4.145833	0	
46	N50	-5.944202	0	4.395833	0	
47	N51	-5.944202	3.583333	4.395833	0	
48	N52	-5.944202	-2.416667	4.395833	0	
49	N49A	0.499998	0	-7.425644	0	
50	N50A	0.716505	0	-7.550644	0	
51	N51A	0.716505	3.583333	-7.550644	0	
52	N52A	0.716505	-2.416667	-7.550644	0	
53	N53A	2.499998	0	-3.961543	0	
54	N54A	2.716505	0	-4.086543	0	
55	N55	2.716505	4	-4.086543	0	
56	N56	2.716505	-2.916667	-4.086543	0	
57	N57	4.541665	0	-0.425272	0	
58	N58	4.758171	0	-0.550272	0	
59	N59	4.758171	3.583333	-0.550272	0	
60	N60	4.758171	-2.416667	-0.550272	0	
61	N61	5.583332	0	1.378947	0	
62	N62	5.799838	0	1.253947	0	
63	N63	5.799838	3.583333	1.253947	0	
64	N64	5.799838	-2.416667	1.253947	0	
65	N65	6.562498	0	3.074914	0	
66	N66	6.779005	0	2.949914	0	
67	N67A	6.779005	3.583333	2.949914	0	
68	N68	6.779005	-2.416667	2.949914	0	
69	N69	-6.680796	0	3.279811	0	
70	N70	-6.897302	0	3.154811	0	
71	N71	-6.897302	3.583333	3.154811	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	-6.897302	-2.416667	3.154811	0	
73	N73	-4.680796	0	-0.184291	0	
74	N74	-4.897302	0	-0.309291	0	
75	N75	-4.897302	4	-0.309291	0	
76	N76	-4.897302	-2.916667	-0.309291	0	
77	N77A	-2.639129	0	-3.720561	0	
78	N78A	-2.855636	0	-3.845561	0	
79	N79	-2.855636	3.583333	-3.845561	0	
80	N80	-2.855636	-2.416667	-3.845561	0	
81	N81	-1.597463	0	-5.524781	0	
82	N82	-1.813969	0	-5.649781	0	
83	N83	-1.813969	3.583333	-5.649781	0	
84	N84	-1.813969	-2.416667	-5.649781	0	
85	N85	-0.618296	0	-7.220747	0	
86	N86	-0.834802	0	-7.345747	0	
87	N87	-0.834802	3.583333	-7.345747	0	
88	N88	-0.834802	-2.416667	-7.345747	0	
89	N95	-0.	3	-8.291667	0	
90	N96	-6.499794	3	4.145833	0	
91	N97	-6.680796	3	3.279811	0	
92	N98	-6.897302	3	3.154811	0	
93	N99	-4.680796	3	-0.184291	0	
94	N100	-4.897302	3	-0.309291	0	
95	N101	-2.639129	3	-3.720561	0	
96	N102	-2.855636	3	-3.845561	0	
97	N103	-1.597463	3	-5.524781	0	
98	N104	-1.813969	3	-5.649781	0	
99	N105	-0.618296	3	-7.220747	0	
100	N106	-0.834802	3	-7.345747	0	
101	N108	6.499794	3	4.145833	0	
102	N109A	6.180798	3	4.145833	0	
103	N110B	6.180798	3	4.395833	0	
104	N111	2.180798	3	4.145833	0	
105	N112	2.180798	3	4.395833	0	
106	N113	-1.902536	3	4.145833	0	
107	N114	-1.902536	3	4.395833	0	
108	N115	-3.985869	3	4.145833	0	
109	N116	-3.985869	3	4.395833	0	
110	N117	-5.944202	3	4.145833	0	
111	N118	-5.944202	3	4.395833	0	
112	N121	0.499998	3	-7.425644	0	
113	N122	0.716505	3	-7.550644	0	
114	N123	2.499998	3	-3.961543	0	
115	N124	2.716505	3	-4.086543	0	
116	N125	4.541665	3	-0.425272	0	
117	N126	4.758171	3	-0.550272	0	
118	N127	5.583332	3	1.378947	0	
119	N128	5.799838	3	1.253947	0	
120	N129	6.562498	3	3.074914	0	
121	N130	6.779005	3	2.949914	0	
122	N128A	-7.180794	3	4.145833	0	
123	N129A	6.840294	3	3.55607	0	
124	N140	0.3405	3	-7.701904	0	
125	N161	7.180794	3	4.145833	0	
126	N162	-0.3405	3	-7.701904	0	
127	N173	-6.840294	3	3.55607	0	
128	N134	-4.999794	3	4.145833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N135	4.999794	3	4.145833	0	
130	N136	-4.999794	3	3.895833	0	
131	N137	4.999794	3	3.895833	0	
132	N138	6.090294	3	2.257032	0	
133	N139	1.0905	3	-6.402865	0	
134	N140A	5.873788	3	2.382032	0	
135	N141	0.873994	3	-6.277865	0	
136	N142	-1.0905	3	-6.402865	0	
137	N143	-6.090294	3	2.257032	0	
138	N144	-0.873994	3	-6.277865	0	
139	N145	-5.873788	3	2.382032	0	
140	N140B	0.948659	-3	0.547708	0	
141	N141A	-0.	-3	-1.095417	0	
142	N142A	-0.948658	-3	0.547709	0	
143	N143A	-0.	0	-6.291667	0	
144	N145A	-5.448743	0	3.145833	0	
145	N147	5.448743	0	3.145833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Bottom Corner Plate	L15X6.5X6	Beam	Single A...	A36 Gr.36	Typical	7.922	24.473	192.705	.363
4	Standoff_2	HSS4.5X4.5X4	Beam	Tube	A500 Gr.B Rect	Typical	3.84	11.4	11.4	18.5
5	Cross Members	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Face Horizontal	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Support Rail Angle	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Standoff_1	HSS4X4X6	Beam	Tube	A500 Gr.B Rect	Typical	4.78	10.3	10.3	17.5
9	Grating Angle	LL3x3x4x0	Beam	Double ...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
10	KICKER	LL3x3x3x6	Beam	Double ...	A36 Gr.36	Typical	2.18	4.97	1.9	.027
11	Top Corner Plate	L2.5x2.5x4	Beam	Single A...	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Standoff_1	1.05			Lbyy						Lateral
2	M2	Standoff_2	2			Lbyy						Lateral
3	M5	Grating Angle	4			Lbyy						Lateral
4	M6	Grating Angle	4			Lbyy						Lateral
5	M7	Grating Angle	4			Lbyy						Lateral
6	M6A	Cross Mem...	7.433			Lbyy						Lateral
7	FACE	Face Horizo...	14.362			Lbyy						Lateral
8	MP1A	Mount Pipe	6			Lbyy						Lateral
9	M23A	Cross Mem...	7.433			Lbyy						Lateral
10	M24	Face Horizo...	14.362			Lbyy						Lateral
11	M38	Standoff_1	1.05			Lbyy						Lateral
12	M39A	Cross Mem...	7.433			Lbyy						Lateral
13	M40	Face Horizo...	14.362			Lbyy						Lateral
14	M54	Standoff_1	1.05			Lbyy						Lateral
15	M55	Standoff_2	2			Lbyy						Lateral
16	M56	Standoff_2	2			Lbyy						Lateral
17	MP2A	Mount Pipe	6.917			Lbyy						Lateral
18	MP3A	Mount Pipe	6			Lbyy						Lateral
19	MP4A	Mount Pipe	6			Lbyy						Lateral
20	MP5A	Mount Pipe	6			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
21	MP1C	Mount Pipe	6			Lbyy						Lateral
22	MP2C	Mount Pipe	6.917			Lbyy						Lateral
23	MP3C	Mount Pipe	6			Lbyy						Lateral
24	MP4C	Mount Pipe	6			Lbyy						Lateral
25	MP5C	Mount Pipe	6			Lbyy						Lateral
26	MP1B	Mount Pipe	6			Lbyy						Lateral
27	MP2B	Mount Pipe	6.917			Lbyy						Lateral
28	MP3B	Mount Pipe	6			Lbyy						Lateral
29	MP4B	Mount Pipe	6			Lbyy						Lateral
30	MP5B	Mount Pipe	6			Lbyy						Lateral
31	M56A	Support Rail	13			Lbyy						Lateral
32	M71	Support Rail	13			Lbyy						Lateral
33	M87	Support Rail	13			Lbyy						Lateral
34	M74	Support Rail...	1.748			Lbyy						Lateral
35	M81	Support Rail...	1.748			Lbyy						Lateral
36	M88	Support Rail...	1.748			Lbyy						Lateral
37	M73A	KICKER	6			Lbyy						Lateral
38	M74A	KICKER	6			Lbyy						Lateral
39	M75	KICKER	6			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N15A			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
3	M5	N14	N10		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M6	N16	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M7	N18	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
6	M6A	N17	N15		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
7	FACE	N16	N18		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
8	LIVE2	N43	N45			RIGID	None	None	RIGID	Typical
9	MP1A	N53	N54		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
10	M23A	N10	N17		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
11	M24	N18	N14		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M38	N77	N78			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
13	M39A	N15	N10		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
14	M40	N14	N16		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
15	M54	N109	N110			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
16	M55	N78	N108A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
17	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
18	LIVE1	N34	N35			RIGID	None	None	RIGID	Typical
19	MP2A	N36	N37		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
20	M20	N39	N40			RIGID	None	None	RIGID	Typical
21	MP3A	N41	N42		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
22	M22	N44	N45A			RIGID	None	None	RIGID	Typical
23	MP4A	N46	N47		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
24	M24A	N49	N50			RIGID	None	None	RIGID	Typical
25	MP5A	N51	N52		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
26	M26	N49A	N50A			RIGID	None	None	RIGID	Typical
27	MP1C	N51A	N52A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
28	M28	N53A	N54A			RIGID	None	None	RIGID	Typical
29	MP2C	N55	N56		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
30	M30	N57	N58			RIGID	None	None	RIGID	Typical
31	MP3C	N59	N60		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
32	M32	N61	N62			RIGID	None	None	RIGID	Typical
33	MP4C	N63	N64		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
34	M34	N65	N66			RIGID	None	None	RIGID	Typical
35	MP5C	N67A	N68		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
36	M36	N69	N70			RIGID	None	None	RIGID	Typical
37	MP1B	N71	N72		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
38	M38A	N73	N74			RIGID	None	None	RIGID	Typical
39	MP2B	N75	N76		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
40	M40A	N77A	N78A			RIGID	None	None	RIGID	Typical
41	MP3B	N79	N80		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
42	M42	N81	N82			RIGID	None	None	RIGID	Typical
43	MP4B	N83	N84		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
44	M44	N85	N86			RIGID	None	None	RIGID	Typical
45	MP5B	N87	N88		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
46	M51	N97	N98			RIGID	None	None	RIGID	Typical
47	M52	N99	N100			RIGID	None	None	RIGID	Typical
48	M53	N101	N102			RIGID	None	None	RIGID	Typical
49	M54A	N103	N104			RIGID	None	None	RIGID	Typical
50	M55A	N105	N106			RIGID	None	None	RIGID	Typical
51	M56A	N96	N108		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
52	M57	N109A	N110B			RIGID	None	None	RIGID	Typical
53	M58	N111	N112			RIGID	None	None	RIGID	Typical
54	M59	N113	N114			RIGID	None	None	RIGID	Typical
55	M60	N115	N116			RIGID	None	None	RIGID	Typical
56	M61	N117	N118			RIGID	None	None	RIGID	Typical
57	M63	N121	N122			RIGID	None	None	RIGID	Typical
58	M64	N123	N124			RIGID	None	None	RIGID	Typical
59	M65	N125	N126			RIGID	None	None	RIGID	Typical
60	M66	N127	N128			RIGID	None	None	RIGID	Typical
61	M67	N129	N130			RIGID	None	None	RIGID	Typical
62	M71	N129A	N140		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
63	M87	N162	N173		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
64	M68	N134	N136			RIGID	None	None	RIGID	Typical
65	M69	N135	N137			RIGID	None	None	RIGID	Typical
66	M70	N138	N140A			RIGID	None	None	RIGID	Typical
67	M71A	N139	N141			RIGID	None	None	RIGID	Typical
68	M72	N142	N144			RIGID	None	None	RIGID	Typical
69	M73	N143	N145			RIGID	None	None	RIGID	Typical
70	M74	N136	N145		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
71	M81	N140A	N137		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
72	M88	N144	N141		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
73	M73A	N141A	N143A			KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
74	M74A	N142A	N145A			KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
75	M75	N140B	N147			KICKER	Beam	Double 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	M1						Yes				None
2	M2						Yes				None
3	M5						Yes				None
4	M6						Yes	Default			None
5	M7						Yes				None
6	M6A						Yes				None
7	FACE						Yes	Default			None
8	LIVE2						Yes	** NA **			None
9	MP1A						Yes	Default			None
10	M23A						Yes				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...
11	M24						Yes				None
12	M38						Yes				None
13	M39A						Yes				None
14	M40						Yes				None
15	M54						Yes				None
16	M55						Yes				None
17	M56						Yes				None
18	LIVE1		OOOXOO				Yes	** NA **			None
19	MP2A						Yes	Default			None
20	M20		OOOXOO				Yes	** NA **			None
21	MP3A						Yes	Default			None
22	M22		OOOXOO				Yes	** NA **			None
23	MP4A						Yes	Default			None
24	M24A						Yes	** NA **			None
25	MP5A						Yes	Default			None
26	M26						Yes	** NA **			None
27	MP1C						Yes	Default			None
28	M28		OOOXOO				Yes	** NA **			None
29	MP2C						Yes	Default			None
30	M30		OOOXOO				Yes	** NA **			None
31	MP3C						Yes	Default			None
32	M32		OOOXOO				Yes	** NA **			None
33	MP4C						Yes	Default			None
34	M34						Yes	** NA **			None
35	MP5C						Yes	Default			None
36	M36						Yes	** NA **			None
37	MP1B						Yes	Default			None
38	M38A		OOOXOO				Yes	** NA **			None
39	MP2B						Yes	Default			None
40	M40A		OOOXOO				Yes	** NA **			None
41	MP3B						Yes	Default			None
42	M42		OOOXOO				Yes	** NA **			None
43	MP4B						Yes	Default			None
44	M44						Yes	** NA **			None
45	MP5B						Yes	Default			None
46	M51						Yes	** NA **			None
47	M52						Yes	** NA **			None
48	M53						Yes	** NA **			None
49	M54A						Yes	** NA **			None
50	M55A						Yes	** NA **			None
51	M56A						Yes				None
52	M57						Yes	** NA **			None
53	M58						Yes	** NA **			None
54	M59						Yes	** NA **			None
55	M60						Yes	** NA **			None
56	M61						Yes	** NA **			None
57	M63						Yes	** NA **			None
58	M64						Yes	** NA **			None
59	M65						Yes	** NA **			None
60	M66						Yes	** NA **			None
61	M67						Yes	** NA **			None
62	M71						Yes				None
63	M87						Yes				None
64	M68	OOOOOX					Yes	** NA **			None
65	M69	OOOOOX					Yes	** NA **			None
66	M70	OOOOOX					Yes	** NA **			None
67	M71A	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...
68	M72	OOOOOX					Yes	** NA **			None
69	M73	OOOOOX					Yes	** NA **			None
70	M74						Yes				None
71	M81						Yes				None
72	M88						Yes				None
73	M73A	BenPIN	BenPIN				Yes				None
74	M74A	BenPIN	BenPIN				Yes				None
75	M75	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-30	.5
2	MP2A	My	-.015	.5
3	MP2A	Mz	-.02	.5
4	MP2A	Y	-30	6
5	MP2A	My	-.015	6
6	MP2A	Mz	-.02	6
7	MP2B	Y	-30	.5
8	MP2B	My	.025	.5
9	MP2B	Mz	-.003	.5
10	MP2B	Y	-30	6
11	MP2B	My	.025	6
12	MP2B	Mz	-.003	6
13	MP2C	Y	-30	.5
14	MP2C	My	-.01	.5
15	MP2C	Mz	.023	.5
16	MP2C	Y	-30	6
17	MP2C	My	-.01	6
18	MP2C	Mz	.023	6
19	MP2A	Y	-30	.5
20	MP2A	My	-.015	.5
21	MP2A	Mz	.02	.5
22	MP2A	Y	-30	6
23	MP2A	My	-.015	6
24	MP2A	Mz	.02	6
25	MP2B	Y	-30	.5
26	MP2B	My	-.01	.5
27	MP2B	Mz	-.023	.5
28	MP2B	Y	-30	6
29	MP2B	My	-.01	6
30	MP2B	Mz	-.023	6
31	MP2C	Y	-30	.5
32	MP2C	My	.025	.5
33	MP2C	Mz	.003	.5
34	MP2C	Y	-30	6
35	MP2C	My	.025	6
36	MP2C	Mz	.003	6
37	MP3A	Y	-43.55	2.25
38	MP3A	My	-.022	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-43.55	4.25
41	MP3A	My	-.022	4.25
42	MP3A	Mz	0	4.25
43	MP3B	Y	-43.55	2.25
44	MP3B	My	.011	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mz	-.019	2.25
46	MP3B	Y	-43.55	4.25
47	MP3B	My	.011	4.25
48	MP3B	Mz	-.019	4.25
49	MP3C	Y	-43.55	2.25
50	MP3C	My	.011	2.25
51	MP3C	Mz	.019	2.25
52	MP3C	Y	-43.55	4.25
53	MP3C	My	.011	4.25
54	MP3C	Mz	.019	4.25
55	MP1A	Y	-74.7	2.5
56	MP1A	My	.037	2.5
57	MP1A	Mz	0	2.5
58	MP1B	Y	-74.7	2.5
59	MP1B	My	-.019	2.5
60	MP1B	Mz	.032	2.5
61	MP1C	Y	-74.7	2.5
62	MP1C	My	-.019	2.5
63	MP1C	Mz	-.032	2.5
64	MP2A	Y	-70.3	2.5
65	MP2A	My	.035	2.5
66	MP2A	Mz	0	2.5
67	MP2B	Y	-70.3	2.5
68	MP2B	My	-.018	2.5
69	MP2B	Mz	.03	2.5
70	MP2C	Y	-70.3	2.5
71	MP2C	My	-.018	2.5
72	MP2C	Mz	-.03	2.5
73	MP1A	Y	-6	2
74	MP1A	My	-.003	2
75	MP1A	Mz	0	2
76	MP1A	Y	-6	4.5
77	MP1A	My	-.003	4.5
78	MP1A	Mz	0	4.5
79	MP1B	Y	-6	2
80	MP1B	My	.002	2
81	MP1B	Mz	-.003	2
82	MP1B	Y	-6	4.5
83	MP1B	My	.002	4.5
84	MP1B	Mz	-.003	4.5
85	MP1C	Y	-6	2
86	MP1C	My	.002	2
87	MP1C	Mz	.003	2
88	MP1C	Y	-6	4.5
89	MP1C	My	.002	4.5
90	MP1C	Mz	.003	4.5
91	MP5A	Y	-6	2
92	MP5A	My	-.003	2
93	MP5A	Mz	0	2
94	MP5A	Y	-6	4.5
95	MP5A	My	-.003	4.5
96	MP5A	Mz	0	4.5
97	MP5B	Y	-6	2
98	MP5B	My	.002	2
99	MP5B	Mz	-.003	2
100	MP5B	Y	-6	4.5
101	MP5B	My	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5B	Mz	-.003	4.5
103	MP5C	Y	-6	2
104	MP5C	My	.002	2
105	MP5C	Mz	.003	2
106	MP5C	Y	-6	4.5
107	MP5C	My	.002	4.5
108	MP5C	Mz	.003	4.5
109	MP4A	Y	-32	1.5
110	MP4A	My	.016	1.5
111	MP4A	Mz	0	1.5
112	MP4B	Y	-32	1.5
113	MP4B	My	-.008	1.5
114	MP4B	Mz	.014	1.5
115	MP1C	Y	-10	.25
116	MP1C	My	-.003	.25
117	MP1C	Mz	-.004	.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-81.573	.5
2	MP2A	My	-.041	.5
3	MP2A	Mz	-.054	.5
4	MP2A	Y	-81.573	6
5	MP2A	My	-.041	6
6	MP2A	Mz	-.054	6
7	MP2B	Y	-81.573	.5
8	MP2B	My	.067	.5
9	MP2B	Mz	-.008	.5
10	MP2B	Y	-81.573	6
11	MP2B	My	.067	6
12	MP2B	Mz	-.008	6
13	MP2C	Y	-81.573	.5
14	MP2C	My	-.027	.5
15	MP2C	Mz	.063	.5
16	MP2C	Y	-81.573	6
17	MP2C	My	-.027	6
18	MP2C	Mz	.063	6
19	MP2A	Y	-81.573	.5
20	MP2A	My	-.041	.5
21	MP2A	Mz	.054	.5
22	MP2A	Y	-81.573	6
23	MP2A	My	-.041	6
24	MP2A	Mz	.054	6
25	MP2B	Y	-81.573	.5
26	MP2B	My	-.027	.5
27	MP2B	Mz	-.063	.5
28	MP2B	Y	-81.573	6
29	MP2B	My	-.027	6
30	MP2B	Mz	-.063	6
31	MP2C	Y	-81.573	.5
32	MP2C	My	.067	.5
33	MP2C	Mz	.008	.5
34	MP2C	Y	-81.573	6
35	MP2C	My	.067	6
36	MP2C	Mz	.008	6
37	MP3A	Y	-35.201	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	My	-.018	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-35.201	4.25
41	MP3A	My	-.018	4.25
42	MP3A	Mz	0	4.25
43	MP3B	Y	-35.201	2.25
44	MP3B	My	.009	2.25
45	MP3B	Mz	-.015	2.25
46	MP3B	Y	-35.201	4.25
47	MP3B	My	.009	4.25
48	MP3B	Mz	-.015	4.25
49	MP3C	Y	-35.201	2.25
50	MP3C	My	.009	2.25
51	MP3C	Mz	.015	2.25
52	MP3C	Y	-35.201	4.25
53	MP3C	My	.009	4.25
54	MP3C	Mz	.015	4.25
55	MP1A	Y	-44.373	2.5
56	MP1A	My	.022	2.5
57	MP1A	Mz	0	2.5
58	MP1B	Y	-44.373	2.5
59	MP1B	My	-.011	2.5
60	MP1B	Mz	.019	2.5
61	MP1C	Y	-44.373	2.5
62	MP1C	My	-.011	2.5
63	MP1C	Mz	-.019	2.5
64	MP2A	Y	-42.255	2.5
65	MP2A	My	.021	2.5
66	MP2A	Mz	0	2.5
67	MP2B	Y	-42.255	2.5
68	MP2B	My	-.011	2.5
69	MP2B	Mz	.018	2.5
70	MP2C	Y	-42.255	2.5
71	MP2C	My	-.011	2.5
72	MP2C	Mz	-.018	2.5
73	MP1A	Y	-39.829	2
74	MP1A	My	-.02	2
75	MP1A	Mz	0	2
76	MP1A	Y	-39.829	4.5
77	MP1A	My	-.02	4.5
78	MP1A	Mz	0	4.5
79	MP1B	Y	-39.829	2
80	MP1B	My	.01	2
81	MP1B	Mz	-.017	2
82	MP1B	Y	-39.829	4.5
83	MP1B	My	.01	4.5
84	MP1B	Mz	-.017	4.5
85	MP1C	Y	-39.829	2
86	MP1C	My	.01	2
87	MP1C	Mz	.017	2
88	MP1C	Y	-39.829	4.5
89	MP1C	My	.01	4.5
90	MP1C	Mz	.017	4.5
91	MP5A	Y	-39.829	2
92	MP5A	My	-.02	2
93	MP5A	Mz	0	2
94	MP5A	Y	-39.829	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5A	My	-.02	4.5
96	MP5A	Mz	0	4.5
97	MP5B	Y	-39.829	2
98	MP5B	My	.01	2
99	MP5B	Mz	-.017	2
100	MP5B	Y	-39.829	4.5
101	MP5B	My	.01	4.5
102	MP5B	Mz	-.017	4.5
103	MP5C	Y	-39.829	2
104	MP5C	My	.01	2
105	MP5C	Mz	.017	2
106	MP5C	Y	-39.829	4.5
107	MP5C	My	.01	4.5
108	MP5C	Mz	.017	4.5
109	MP4A	Y	-86.912	1.5
110	MP4A	My	.043	1.5
111	MP4A	Mz	0	1.5
112	MP4B	Y	-86.912	1.5
113	MP4B	My	-.022	1.5
114	MP4B	Mz	.038	1.5
115	MP1C	Y	-11.186	.25
116	MP1C	My	-.003	.25
117	MP1C	Mz	-.005	.25

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	-170.222	.5
3	MP2A	Mx	.113	.5
4	MP2A	X	0	6
5	MP2A	Z	-170.222	6
6	MP2A	Mx	.113	6
7	MP2B	X	0	.5
8	MP2B	Z	-137.471	.5
9	MP2B	Mx	.014	.5
10	MP2B	X	0	6
11	MP2B	Z	-137.471	6
12	MP2B	Mx	.014	6
13	MP2C	X	0	.5
14	MP2C	Z	-137.471	.5
15	MP2C	Mx	-.105	.5
16	MP2C	X	0	6
17	MP2C	Z	-137.471	6
18	MP2C	Mx	-.105	6
19	MP2A	X	0	.5
20	MP2A	Z	-170.222	.5
21	MP2A	Mx	-.113	.5
22	MP2A	X	0	6
23	MP2A	Z	-170.222	6
24	MP2A	Mx	-.113	6
25	MP2B	X	0	.5
26	MP2B	Z	-137.471	.5
27	MP2B	Mx	.105	.5
28	MP2B	X	0	6
29	MP2B	Z	-137.471	6
30	MP2B	Mx	.105	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	0	.5
32	MP2C	Z	-137.471	.5
33	MP2C	Mx	-.014	.5
34	MP2C	X	0	6
35	MP2C	Z	-137.471	6
36	MP2C	Mx	-.014	6
37	MP3A	X	0	2.25
38	MP3A	Z	-80.965	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-80.965	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-44.015	2.25
45	MP3B	Mx	.019	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	-44.015	4.25
48	MP3B	Mx	.019	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-44.015	2.25
51	MP3C	Mx	-.019	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-44.015	4.25
54	MP3C	Mx	-.019	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	-64.428	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	-48.407	2.5
60	MP1B	Mx	-.021	2.5
61	MP1C	X	0	2.5
62	MP1C	Z	-48.407	2.5
63	MP1C	Mx	.021	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	-64.428	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	-45.5	2.5
69	MP2B	Mx	-.02	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	-45.5	2.5
72	MP2C	Mx	.02	2.5
73	MP1A	X	0	2
74	MP1A	Z	-44.962	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	-44.962	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2
80	MP1B	Z	-80.994	2
81	MP1B	Mx	.035	2
82	MP1B	X	0	4.5
83	MP1B	Z	-80.994	4.5
84	MP1B	Mx	.035	4.5
85	MP1C	X	0	2
86	MP1C	Z	-80.994	2
87	MP1C	Mx	-.035	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	0	4.5
89	MP1C	Z	-80.994	4.5
90	MP1C	Mx	-.035	4.5
91	MP5A	X	0	2
92	MP5A	Z	-44.962	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5
95	MP5A	Z	-44.962	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	-80.994	2
99	MP5B	Mx	.035	2
100	MP5B	X	0	4.5
101	MP5B	Z	-80.994	4.5
102	MP5B	Mx	.035	4.5
103	MP5C	X	0	2
104	MP5C	Z	-80.994	2
105	MP5C	Mx	-.035	2
106	MP5C	X	0	4.5
107	MP5C	Z	-80.994	4.5
108	MP5C	Mx	-.035	4.5
109	MP4A	X	0	1.5
110	MP4A	Z	-139.881	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	-115.01	1.5
114	MP4B	Mx	-.05	1.5
115	MP1C	X	0	.25
116	MP1C	Z	-32.3	.25
117	MP1C	Mx	.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	79.652	.5
2	MP2A	Z	-137.962	.5
3	MP2A	Mx	.052	.5
4	MP2A	X	79.652	6
5	MP2A	Z	-137.962	6
6	MP2A	Mx	.052	6
7	MP2B	X	63.277	.5
8	MP2B	Z	-109.599	.5
9	MP2B	Mx	.063	.5
10	MP2B	X	63.277	6
11	MP2B	Z	-109.599	6
12	MP2B	Mx	.063	6
13	MP2C	X	79.652	.5
14	MP2C	Z	-137.962	.5
15	MP2C	Mx	-.132	.5
16	MP2C	X	79.652	6
17	MP2C	Z	-137.962	6
18	MP2C	Mx	-.132	6
19	MP2A	X	79.652	.5
20	MP2A	Z	-137.962	.5
21	MP2A	Mx	-.132	.5
22	MP2A	X	79.652	6
23	MP2A	Z	-137.962	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.132	6
25	MP2B	X	63.277	.5
26	MP2B	Z	-109.599	.5
27	MP2B	Mx	.063	.5
28	MP2B	X	63.277	6
29	MP2B	Z	-109.599	6
30	MP2B	Mx	.063	6
31	MP2C	X	79.652	.5
32	MP2C	Z	-137.962	.5
33	MP2C	Mx	.052	.5
34	MP2C	X	79.652	6
35	MP2C	Z	-137.962	6
36	MP2C	Mx	.052	6
37	MP3A	X	34.324	2.25
38	MP3A	Z	-59.451	2.25
39	MP3A	Mx	-.017	2.25
40	MP3A	X	34.324	4.25
41	MP3A	Z	-59.451	4.25
42	MP3A	Mx	-.017	4.25
43	MP3B	X	15.849	2.25
44	MP3B	Z	-27.451	2.25
45	MP3B	Mx	.016	2.25
46	MP3B	X	15.849	4.25
47	MP3B	Z	-27.451	4.25
48	MP3B	Mx	.016	4.25
49	MP3C	X	34.324	2.25
50	MP3C	Z	-59.451	2.25
51	MP3C	Mx	-.017	2.25
52	MP3C	X	34.324	4.25
53	MP3C	Z	-59.451	4.25
54	MP3C	Mx	-.017	4.25
55	MP1A	X	29.544	2.5
56	MP1A	Z	-51.171	2.5
57	MP1A	Mx	.015	2.5
58	MP1B	X	21.533	2.5
59	MP1B	Z	-37.297	2.5
60	MP1B	Mx	-.022	2.5
61	MP1C	X	29.544	2.5
62	MP1C	Z	-51.171	2.5
63	MP1C	Mx	.015	2.5
64	MP2A	X	29.059	2.5
65	MP2A	Z	-50.332	2.5
66	MP2A	Mx	.015	2.5
67	MP2B	X	19.595	2.5
68	MP2B	Z	-33.94	2.5
69	MP2B	Mx	-.02	2.5
70	MP2C	X	29.059	2.5
71	MP2C	Z	-50.332	2.5
72	MP2C	Mx	.015	2.5
73	MP1A	X	28.486	2
74	MP1A	Z	-49.339	2
75	MP1A	Mx	-.014	2
76	MP1A	X	28.486	4.5
77	MP1A	Z	-49.339	4.5
78	MP1A	Mx	-.014	4.5
79	MP1B	X	46.502	2
80	MP1B	Z	-80.544	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.047	2
82	MP1B	X	46.502	4.5
83	MP1B	Z	-80.544	4.5
84	MP1B	Mx	.047	4.5
85	MP1C	X	28.486	2
86	MP1C	Z	-49.339	2
87	MP1C	Mx	-.014	2
88	MP1C	X	28.486	4.5
89	MP1C	Z	-49.339	4.5
90	MP1C	Mx	-.014	4.5
91	MP5A	X	28.486	2
92	MP5A	Z	-49.339	2
93	MP5A	Mx	-.014	2
94	MP5A	X	28.486	4.5
95	MP5A	Z	-49.339	4.5
96	MP5A	Mx	-.014	4.5
97	MP5B	X	46.502	2
98	MP5B	Z	-80.544	2
99	MP5B	Mx	.047	2
100	MP5B	X	46.502	4.5
101	MP5B	Z	-80.544	4.5
102	MP5B	Mx	.047	4.5
103	MP5C	X	28.486	2
104	MP5C	Z	-49.339	2
105	MP5C	Mx	-.014	2
106	MP5C	X	28.486	4.5
107	MP5C	Z	-49.339	4.5
108	MP5C	Mx	-.014	4.5
109	MP4A	X	65.795	1.5
110	MP4A	Z	-113.961	1.5
111	MP4A	Mx	.033	1.5
112	MP4B	X	53.36	1.5
113	MP4B	Z	-92.422	1.5
114	MP4B	Mx	-.053	1.5
115	MP1C	X	16.868	.25
116	MP1C	Z	-29.216	.25
117	MP1C	Mx	.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	119.053	.5
2	MP2A	Z	-68.735	.5
3	MP2A	Mx	-.014	.5
4	MP2A	X	119.053	6
5	MP2A	Z	-68.735	6
6	MP2A	Mx	-.014	6
7	MP2B	X	119.053	.5
8	MP2B	Z	-68.735	.5
9	MP2B	Mx	.105	.5
10	MP2B	X	119.053	6
11	MP2B	Z	-68.735	6
12	MP2B	Mx	.105	6
13	MP2C	X	147.417	.5
14	MP2C	Z	-85.111	.5
15	MP2C	Mx	-.113	.5
16	MP2C	X	147.417	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-85.111	6
18	MP2C	Mx	-.113	6
19	MP2A	X	119.053	.5
20	MP2A	Z	-68.735	.5
21	MP2A	Mx	-.105	.5
22	MP2A	X	119.053	6
23	MP2A	Z	-68.735	6
24	MP2A	Mx	-.105	6
25	MP2B	X	119.053	.5
26	MP2B	Z	-68.735	.5
27	MP2B	Mx	.014	.5
28	MP2B	X	119.053	6
29	MP2B	Z	-68.735	6
30	MP2B	Mx	.014	6
31	MP2C	X	147.417	.5
32	MP2C	Z	-85.111	.5
33	MP2C	Mx	.113	.5
34	MP2C	X	147.417	6
35	MP2C	Z	-85.111	6
36	MP2C	Mx	.113	6
37	MP3A	X	38.118	2.25
38	MP3A	Z	-22.007	2.25
39	MP3A	Mx	-.019	2.25
40	MP3A	X	38.118	4.25
41	MP3A	Z	-22.007	4.25
42	MP3A	Mx	-.019	4.25
43	MP3B	X	38.118	2.25
44	MP3B	Z	-22.007	2.25
45	MP3B	Mx	.019	2.25
46	MP3B	X	38.118	4.25
47	MP3B	Z	-22.007	4.25
48	MP3B	Mx	.019	4.25
49	MP3C	X	70.118	2.25
50	MP3C	Z	-40.483	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	70.118	4.25
53	MP3C	Z	-40.483	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	41.922	2.5
56	MP1A	Z	-24.203	2.5
57	MP1A	Mx	.021	2.5
58	MP1B	X	41.922	2.5
59	MP1B	Z	-24.203	2.5
60	MP1B	Mx	-.021	2.5
61	MP1C	X	55.796	2.5
62	MP1C	Z	-32.214	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	39.404	2.5
65	MP2A	Z	-22.75	2.5
66	MP2A	Mx	.02	2.5
67	MP2B	X	39.404	2.5
68	MP2B	Z	-22.75	2.5
69	MP2B	Mx	-.02	2.5
70	MP2C	X	55.796	2.5
71	MP2C	Z	-32.214	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	70.143	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	-40.497	2
75	MP1A	Mx	-.035	2
76	MP1A	X	70.143	4.5
77	MP1A	Z	-40.497	4.5
78	MP1A	Mx	-.035	4.5
79	MP1B	X	70.143	2
80	MP1B	Z	-40.497	2
81	MP1B	Mx	.035	2
82	MP1B	X	70.143	4.5
83	MP1B	Z	-40.497	4.5
84	MP1B	Mx	.035	4.5
85	MP1C	X	38.938	2
86	MP1C	Z	-22.481	2
87	MP1C	Mx	0	2
88	MP1C	X	38.938	4.5
89	MP1C	Z	-22.481	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	70.143	2
92	MP5A	Z	-40.497	2
93	MP5A	Mx	-.035	2
94	MP5A	X	70.143	4.5
95	MP5A	Z	-40.497	4.5
96	MP5A	Mx	-.035	4.5
97	MP5B	X	70.143	2
98	MP5B	Z	-40.497	2
99	MP5B	Mx	.035	2
100	MP5B	X	70.143	4.5
101	MP5B	Z	-40.497	4.5
102	MP5B	Mx	.035	4.5
103	MP5C	X	38.938	2
104	MP5C	Z	-22.481	2
105	MP5C	Mx	0	2
106	MP5C	X	38.938	4.5
107	MP5C	Z	-22.481	4.5
108	MP5C	Mx	0	4.5
109	MP4A	X	99.601	1.5
110	MP4A	Z	-57.505	1.5
111	MP4A	Mx	.05	1.5
112	MP4B	X	99.601	1.5
113	MP4B	Z	-57.505	1.5
114	MP4B	Mx	-.05	1.5
115	MP1C	X	29.837	.25
116	MP1C	Z	-17.227	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	126.553	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.063	.5
4	MP2A	X	126.553	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.063	6
7	MP2B	X	159.305	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.132	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	159.305	6
11	MP2B	Z	0	6
12	MP2B	Mx	.132	6
13	MP2C	X	159.305	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.052	.5
16	MP2C	X	159.305	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.052	6
19	MP2A	X	126.553	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.063	.5
22	MP2A	X	126.553	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.063	6
25	MP2B	X	159.305	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.052	.5
28	MP2B	X	159.305	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.052	6
31	MP2C	X	159.305	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.132	.5
34	MP2C	X	159.305	6
35	MP2C	Z	0	6
36	MP2C	Mx	.132	6
37	MP3A	X	31.698	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.016	2.25
40	MP3A	X	31.698	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.016	4.25
43	MP3B	X	68.648	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.017	2.25
46	MP3B	X	68.648	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.017	4.25
49	MP3C	X	68.648	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.017	2.25
52	MP3C	X	68.648	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.017	4.25
55	MP1A	X	43.067	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.022	2.5
58	MP1B	X	59.087	2.5
59	MP1B	Z	0	2.5
60	MP1B	Mx	-.015	2.5
61	MP1C	X	59.087	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	-.015	2.5
64	MP2A	X	39.191	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	.02	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2B	X	58.118	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	-.015	2.5
70	MP2C	X	58.118	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.015	2.5
73	MP1A	X	93.004	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.047	2
76	MP1A	X	93.004	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	-.047	4.5
79	MP1B	X	56.972	2
80	MP1B	Z	0	2
81	MP1B	Mx	.014	2
82	MP1B	X	56.972	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	.014	4.5
85	MP1C	X	56.972	2
86	MP1C	Z	0	2
87	MP1C	Mx	.014	2
88	MP1C	X	56.972	4.5
89	MP1C	Z	0	4.5
90	MP1C	Mx	.014	4.5
91	MP5A	X	93.004	2
92	MP5A	Z	0	2
93	MP5A	Mx	-.047	2
94	MP5A	X	93.004	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	-.047	4.5
97	MP5B	X	56.972	2
98	MP5B	Z	0	2
99	MP5B	Mx	.014	2
100	MP5B	X	56.972	4.5
101	MP5B	Z	0	4.5
102	MP5B	Mx	.014	4.5
103	MP5C	X	56.972	2
104	MP5C	Z	0	2
105	MP5C	Mx	.014	2
106	MP5C	X	56.972	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	.014	4.5
109	MP4A	X	106.719	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	.053	1.5
112	MP4B	X	131.59	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	-.033	1.5
115	MP1C	X	33.736	.25
116	MP1C	Z	0	.25
117	MP1C	Mx	-.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	119.053	.5
2	MP2A	Z	68.735	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.105	.5
4	MP2A	X	119.053	6
5	MP2A	Z	68.735	6
6	MP2A	Mx	-.105	6
7	MP2B	X	147.417	.5
8	MP2B	Z	85.111	.5
9	MP2B	Mx	.113	.5
10	MP2B	X	147.417	6
11	MP2B	Z	85.111	6
12	MP2B	Mx	.113	6
13	MP2C	X	119.053	.5
14	MP2C	Z	68.735	.5
15	MP2C	Mx	.014	.5
16	MP2C	X	119.053	6
17	MP2C	Z	68.735	6
18	MP2C	Mx	.014	6
19	MP2A	X	119.053	.5
20	MP2A	Z	68.735	.5
21	MP2A	Mx	-.014	.5
22	MP2A	X	119.053	6
23	MP2A	Z	68.735	6
24	MP2A	Mx	-.014	6
25	MP2B	X	147.417	.5
26	MP2B	Z	85.111	.5
27	MP2B	Mx	-.113	.5
28	MP2B	X	147.417	6
29	MP2B	Z	85.111	6
30	MP2B	Mx	-.113	6
31	MP2C	X	119.053	.5
32	MP2C	Z	68.735	.5
33	MP2C	Mx	.105	.5
34	MP2C	X	119.053	6
35	MP2C	Z	68.735	6
36	MP2C	Mx	.105	6
37	MP3A	X	38.118	2.25
38	MP3A	Z	22.007	2.25
39	MP3A	Mx	-.019	2.25
40	MP3A	X	38.118	4.25
41	MP3A	Z	22.007	4.25
42	MP3A	Mx	-.019	4.25
43	MP3B	X	70.118	2.25
44	MP3B	Z	40.483	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	70.118	4.25
47	MP3B	Z	40.483	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	38.118	2.25
50	MP3C	Z	22.007	2.25
51	MP3C	Mx	.019	2.25
52	MP3C	X	38.118	4.25
53	MP3C	Z	22.007	4.25
54	MP3C	Mx	.019	4.25
55	MP1A	X	41.922	2.5
56	MP1A	Z	24.203	2.5
57	MP1A	Mx	.021	2.5
58	MP1B	X	55.796	2.5
59	MP1B	Z	32.214	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	0	2.5
61	MP1C	X	41.922	2.5
62	MP1C	Z	24.203	2.5
63	MP1C	Mx	-.021	2.5
64	MP2A	X	39.404	2.5
65	MP2A	Z	22.75	2.5
66	MP2A	Mx	.02	2.5
67	MP2B	X	55.796	2.5
68	MP2B	Z	32.214	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	39.404	2.5
71	MP2C	Z	22.75	2.5
72	MP2C	Mx	-.02	2.5
73	MP1A	X	70.143	2
74	MP1A	Z	40.497	2
75	MP1A	Mx	-.035	2
76	MP1A	X	70.143	4.5
77	MP1A	Z	40.497	4.5
78	MP1A	Mx	-.035	4.5
79	MP1B	X	38.938	2
80	MP1B	Z	22.481	2
81	MP1B	Mx	0	2
82	MP1B	X	38.938	4.5
83	MP1B	Z	22.481	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	70.143	2
86	MP1C	Z	40.497	2
87	MP1C	Mx	.035	2
88	MP1C	X	70.143	4.5
89	MP1C	Z	40.497	4.5
90	MP1C	Mx	.035	4.5
91	MP5A	X	70.143	2
92	MP5A	Z	40.497	2
93	MP5A	Mx	-.035	2
94	MP5A	X	70.143	4.5
95	MP5A	Z	40.497	4.5
96	MP5A	Mx	-.035	4.5
97	MP5B	X	38.938	2
98	MP5B	Z	22.481	2
99	MP5B	Mx	0	2
100	MP5B	X	38.938	4.5
101	MP5B	Z	22.481	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	70.143	2
104	MP5C	Z	40.497	2
105	MP5C	Mx	.035	2
106	MP5C	X	70.143	4.5
107	MP5C	Z	40.497	4.5
108	MP5C	Mx	.035	4.5
109	MP4A	X	99.601	1.5
110	MP4A	Z	57.505	1.5
111	MP4A	Mx	.05	1.5
112	MP4B	X	121.14	1.5
113	MP4B	Z	69.94	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	27.973	.25
116	MP1C	Z	16.15	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP1C	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	79.652	.5
2	MP2A	Z	137.962	.5
3	MP2A	Mx	-.132	.5
4	MP2A	X	79.652	6
5	MP2A	Z	137.962	6
6	MP2A	Mx	-.132	6
7	MP2B	X	79.652	.5
8	MP2B	Z	137.962	.5
9	MP2B	Mx	.052	.5
10	MP2B	X	79.652	6
11	MP2B	Z	137.962	6
12	MP2B	Mx	.052	6
13	MP2C	X	63.277	.5
14	MP2C	Z	109.599	.5
15	MP2C	Mx	.063	.5
16	MP2C	X	63.277	6
17	MP2C	Z	109.599	6
18	MP2C	Mx	.063	6
19	MP2A	X	79.652	.5
20	MP2A	Z	137.962	.5
21	MP2A	Mx	.052	.5
22	MP2A	X	79.652	6
23	MP2A	Z	137.962	6
24	MP2A	Mx	.052	6
25	MP2B	X	79.652	.5
26	MP2B	Z	137.962	.5
27	MP2B	Mx	-.132	.5
28	MP2B	X	79.652	6
29	MP2B	Z	137.962	6
30	MP2B	Mx	-.132	6
31	MP2C	X	63.277	.5
32	MP2C	Z	109.599	.5
33	MP2C	Mx	.063	.5
34	MP2C	X	63.277	6
35	MP2C	Z	109.599	6
36	MP2C	Mx	.063	6
37	MP3A	X	34.324	2.25
38	MP3A	Z	59.451	2.25
39	MP3A	Mx	-.017	2.25
40	MP3A	X	34.324	4.25
41	MP3A	Z	59.451	4.25
42	MP3A	Mx	-.017	4.25
43	MP3B	X	34.324	2.25
44	MP3B	Z	59.451	2.25
45	MP3B	Mx	-.017	2.25
46	MP3B	X	34.324	4.25
47	MP3B	Z	59.451	4.25
48	MP3B	Mx	-.017	4.25
49	MP3C	X	15.849	2.25
50	MP3C	Z	27.451	2.25
51	MP3C	Mx	.016	2.25
52	MP3C	X	15.849	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	27.451	4.25
54	MP3C	Mx	.016	4.25
55	MP1A	X	29.544	2.5
56	MP1A	Z	51.171	2.5
57	MP1A	Mx	.015	2.5
58	MP1B	X	29.544	2.5
59	MP1B	Z	51.171	2.5
60	MP1B	Mx	.015	2.5
61	MP1C	X	21.533	2.5
62	MP1C	Z	37.297	2.5
63	MP1C	Mx	-.022	2.5
64	MP2A	X	29.059	2.5
65	MP2A	Z	50.332	2.5
66	MP2A	Mx	.015	2.5
67	MP2B	X	29.059	2.5
68	MP2B	Z	50.332	2.5
69	MP2B	Mx	.015	2.5
70	MP2C	X	19.595	2.5
71	MP2C	Z	33.94	2.5
72	MP2C	Mx	-.02	2.5
73	MP1A	X	28.486	2
74	MP1A	Z	49.339	2
75	MP1A	Mx	-.014	2
76	MP1A	X	28.486	4.5
77	MP1A	Z	49.339	4.5
78	MP1A	Mx	-.014	4.5
79	MP1B	X	28.486	2
80	MP1B	Z	49.339	2
81	MP1B	Mx	-.014	2
82	MP1B	X	28.486	4.5
83	MP1B	Z	49.339	4.5
84	MP1B	Mx	-.014	4.5
85	MP1C	X	46.502	2
86	MP1C	Z	80.544	2
87	MP1C	Mx	.047	2
88	MP1C	X	46.502	4.5
89	MP1C	Z	80.544	4.5
90	MP1C	Mx	.047	4.5
91	MP5A	X	28.486	2
92	MP5A	Z	49.339	2
93	MP5A	Mx	-.014	2
94	MP5A	X	28.486	4.5
95	MP5A	Z	49.339	4.5
96	MP5A	Mx	-.014	4.5
97	MP5B	X	28.486	2
98	MP5B	Z	49.339	2
99	MP5B	Mx	-.014	2
100	MP5B	X	28.486	4.5
101	MP5B	Z	49.339	4.5
102	MP5B	Mx	-.014	4.5
103	MP5C	X	46.502	2
104	MP5C	Z	80.544	2
105	MP5C	Mx	.047	2
106	MP5C	X	46.502	4.5
107	MP5C	Z	80.544	4.5
108	MP5C	Mx	.047	4.5
109	MP4A	X	65.795	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4A	Z	113.961	1.5
111	MP4A	Mx	.033	1.5
112	MP4B	X	65.795	1.5
113	MP4B	Z	113.961	1.5
114	MP4B	Mx	.033	1.5
115	MP1C	X	15.791	.25
116	MP1C	Z	27.351	.25
117	MP1C	Mx	-.016	.25

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	170.222	.5
3	MP2A	Mx	-.113	.5
4	MP2A	X	0	6
5	MP2A	Z	170.222	6
6	MP2A	Mx	-.113	6
7	MP2B	X	0	.5
8	MP2B	Z	137.471	.5
9	MP2B	Mx	-.014	.5
10	MP2B	X	0	6
11	MP2B	Z	137.471	6
12	MP2B	Mx	-.014	6
13	MP2C	X	0	.5
14	MP2C	Z	137.471	.5
15	MP2C	Mx	.105	.5
16	MP2C	X	0	6
17	MP2C	Z	137.471	6
18	MP2C	Mx	.105	6
19	MP2A	X	0	.5
20	MP2A	Z	170.222	.5
21	MP2A	Mx	.113	.5
22	MP2A	X	0	6
23	MP2A	Z	170.222	6
24	MP2A	Mx	.113	6
25	MP2B	X	0	.5
26	MP2B	Z	137.471	.5
27	MP2B	Mx	-.105	.5
28	MP2B	X	0	6
29	MP2B	Z	137.471	6
30	MP2B	Mx	-.105	6
31	MP2C	X	0	.5
32	MP2C	Z	137.471	.5
33	MP2C	Mx	.014	.5
34	MP2C	X	0	6
35	MP2C	Z	137.471	6
36	MP2C	Mx	.014	6
37	MP3A	X	0	2.25
38	MP3A	Z	80.965	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	80.965	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	44.015	2.25
45	MP3B	Mx	-.019	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	0	4.25
47	MP3B	Z	44.015	4.25
48	MP3B	Mx	-.019	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	44.015	2.25
51	MP3C	Mx	.019	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	44.015	4.25
54	MP3C	Mx	.019	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	64.428	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	48.407	2.5
60	MP1B	Mx	.021	2.5
61	MP1C	X	0	2.5
62	MP1C	Z	48.407	2.5
63	MP1C	Mx	-.021	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	64.428	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	45.5	2.5
69	MP2B	Mx	.02	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	45.5	2.5
72	MP2C	Mx	-.02	2.5
73	MP1A	X	0	2
74	MP1A	Z	44.962	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	44.962	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2
80	MP1B	Z	80.994	2
81	MP1B	Mx	-.035	2
82	MP1B	X	0	4.5
83	MP1B	Z	80.994	4.5
84	MP1B	Mx	-.035	4.5
85	MP1C	X	0	2
86	MP1C	Z	80.994	2
87	MP1C	Mx	.035	2
88	MP1C	X	0	4.5
89	MP1C	Z	80.994	4.5
90	MP1C	Mx	.035	4.5
91	MP5A	X	0	2
92	MP5A	Z	44.962	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5
95	MP5A	Z	44.962	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	80.994	2
99	MP5B	Mx	-.035	2
100	MP5B	X	0	4.5
101	MP5B	Z	80.994	4.5
102	MP5B	Mx	-.035	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP5C	X	0	2
104	MP5C	Z	80.994	2
105	MP5C	Mx	.035	2
106	MP5C	X	0	4.5
107	MP5C	Z	80.994	4.5
108	MP5C	Mx	.035	4.5
109	MP4A	X	0	1.5
110	MP4A	Z	139.881	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	115.01	1.5
114	MP4B	Mx	.05	1.5
115	MP1C	X	0	.25
116	MP1C	Z	32.3	.25
117	MP1C	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-79.652	.5
2	MP2A	Z	137.962	.5
3	MP2A	Mx	-.052	.5
4	MP2A	X	-79.652	6
5	MP2A	Z	137.962	6
6	MP2A	Mx	-.052	6
7	MP2B	X	-63.277	.5
8	MP2B	Z	109.599	.5
9	MP2B	Mx	-.063	.5
10	MP2B	X	-63.277	6
11	MP2B	Z	109.599	6
12	MP2B	Mx	-.063	6
13	MP2C	X	-79.652	.5
14	MP2C	Z	137.962	.5
15	MP2C	Mx	.132	.5
16	MP2C	X	-79.652	6
17	MP2C	Z	137.962	6
18	MP2C	Mx	.132	6
19	MP2A	X	-79.652	.5
20	MP2A	Z	137.962	.5
21	MP2A	Mx	.132	.5
22	MP2A	X	-79.652	6
23	MP2A	Z	137.962	6
24	MP2A	Mx	.132	6
25	MP2B	X	-63.277	.5
26	MP2B	Z	109.599	.5
27	MP2B	Mx	-.063	.5
28	MP2B	X	-63.277	6
29	MP2B	Z	109.599	6
30	MP2B	Mx	-.063	6
31	MP2C	X	-79.652	.5
32	MP2C	Z	137.962	.5
33	MP2C	Mx	-.052	.5
34	MP2C	X	-79.652	6
35	MP2C	Z	137.962	6
36	MP2C	Mx	-.052	6
37	MP3A	X	-34.324	2.25
38	MP3A	Z	59.451	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.017	2.25
40	MP3A	X	-34.324	4.25
41	MP3A	Z	59.451	4.25
42	MP3A	Mx	.017	4.25
43	MP3B	X	-15.849	2.25
44	MP3B	Z	27.451	2.25
45	MP3B	Mx	-.016	2.25
46	MP3B	X	-15.849	4.25
47	MP3B	Z	27.451	4.25
48	MP3B	Mx	-.016	4.25
49	MP3C	X	-34.324	2.25
50	MP3C	Z	59.451	2.25
51	MP3C	Mx	.017	2.25
52	MP3C	X	-34.324	4.25
53	MP3C	Z	59.451	4.25
54	MP3C	Mx	.017	4.25
55	MP1A	X	-29.544	2.5
56	MP1A	Z	51.171	2.5
57	MP1A	Mx	-.015	2.5
58	MP1B	X	-21.533	2.5
59	MP1B	Z	37.297	2.5
60	MP1B	Mx	.022	2.5
61	MP1C	X	-29.544	2.5
62	MP1C	Z	51.171	2.5
63	MP1C	Mx	-.015	2.5
64	MP2A	X	-29.059	2.5
65	MP2A	Z	50.332	2.5
66	MP2A	Mx	-.015	2.5
67	MP2B	X	-19.595	2.5
68	MP2B	Z	33.94	2.5
69	MP2B	Mx	.02	2.5
70	MP2C	X	-29.059	2.5
71	MP2C	Z	50.332	2.5
72	MP2C	Mx	-.015	2.5
73	MP1A	X	-28.486	2
74	MP1A	Z	49.339	2
75	MP1A	Mx	.014	2
76	MP1A	X	-28.486	4.5
77	MP1A	Z	49.339	4.5
78	MP1A	Mx	.014	4.5
79	MP1B	X	-46.502	2
80	MP1B	Z	80.544	2
81	MP1B	Mx	-.047	2
82	MP1B	X	-46.502	4.5
83	MP1B	Z	80.544	4.5
84	MP1B	Mx	-.047	4.5
85	MP1C	X	-28.486	2
86	MP1C	Z	49.339	2
87	MP1C	Mx	.014	2
88	MP1C	X	-28.486	4.5
89	MP1C	Z	49.339	4.5
90	MP1C	Mx	.014	4.5
91	MP5A	X	-28.486	2
92	MP5A	Z	49.339	2
93	MP5A	Mx	.014	2
94	MP5A	X	-28.486	4.5
95	MP5A	Z	49.339	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5A	Mx	.014	4.5
97	MP5B	X	-46.502	2
98	MP5B	Z	80.544	2
99	MP5B	Mx	-.047	2
100	MP5B	X	-46.502	4.5
101	MP5B	Z	80.544	4.5
102	MP5B	Mx	-.047	4.5
103	MP5C	X	-28.486	2
104	MP5C	Z	49.339	2
105	MP5C	Mx	.014	2
106	MP5C	X	-28.486	4.5
107	MP5C	Z	49.339	4.5
108	MP5C	Mx	.014	4.5
109	MP4A	X	-65.795	1.5
110	MP4A	Z	113.961	1.5
111	MP4A	Mx	-.033	1.5
112	MP4B	X	-53.36	1.5
113	MP4B	Z	92.422	1.5
114	MP4B	Mx	.053	1.5
115	MP1C	X	-16.868	.25
116	MP1C	Z	29.216	.25
117	MP1C	Mx	-.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-119.053	.5
2	MP2A	Z	68.735	.5
3	MP2A	Mx	.014	.5
4	MP2A	X	-119.053	6
5	MP2A	Z	68.735	6
6	MP2A	Mx	.014	6
7	MP2B	X	-119.053	.5
8	MP2B	Z	68.735	.5
9	MP2B	Mx	-.105	.5
10	MP2B	X	-119.053	6
11	MP2B	Z	68.735	6
12	MP2B	Mx	-.105	6
13	MP2C	X	-147.417	.5
14	MP2C	Z	85.111	.5
15	MP2C	Mx	.113	.5
16	MP2C	X	-147.417	6
17	MP2C	Z	85.111	6
18	MP2C	Mx	.113	6
19	MP2A	X	-119.053	.5
20	MP2A	Z	68.735	.5
21	MP2A	Mx	.105	.5
22	MP2A	X	-119.053	6
23	MP2A	Z	68.735	6
24	MP2A	Mx	.105	6
25	MP2B	X	-119.053	.5
26	MP2B	Z	68.735	.5
27	MP2B	Mx	-.014	.5
28	MP2B	X	-119.053	6
29	MP2B	Z	68.735	6
30	MP2B	Mx	-.014	6
31	MP2C	X	-147.417	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	85.111	.5
33	MP2C	Mx	-.113	.5
34	MP2C	X	-147.417	6
35	MP2C	Z	85.111	6
36	MP2C	Mx	-.113	6
37	MP3A	X	-38.118	2.25
38	MP3A	Z	22.007	2.25
39	MP3A	Mx	.019	2.25
40	MP3A	X	-38.118	4.25
41	MP3A	Z	22.007	4.25
42	MP3A	Mx	.019	4.25
43	MP3B	X	-38.118	2.25
44	MP3B	Z	22.007	2.25
45	MP3B	Mx	-.019	2.25
46	MP3B	X	-38.118	4.25
47	MP3B	Z	22.007	4.25
48	MP3B	Mx	-.019	4.25
49	MP3C	X	-70.118	2.25
50	MP3C	Z	40.483	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-70.118	4.25
53	MP3C	Z	40.483	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	-41.922	2.5
56	MP1A	Z	24.203	2.5
57	MP1A	Mx	-.021	2.5
58	MP1B	X	-41.922	2.5
59	MP1B	Z	24.203	2.5
60	MP1B	Mx	.021	2.5
61	MP1C	X	-55.796	2.5
62	MP1C	Z	32.214	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	-39.404	2.5
65	MP2A	Z	22.75	2.5
66	MP2A	Mx	-.02	2.5
67	MP2B	X	-39.404	2.5
68	MP2B	Z	22.75	2.5
69	MP2B	Mx	.02	2.5
70	MP2C	X	-55.796	2.5
71	MP2C	Z	32.214	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	-70.143	2
74	MP1A	Z	40.497	2
75	MP1A	Mx	.035	2
76	MP1A	X	-70.143	4.5
77	MP1A	Z	40.497	4.5
78	MP1A	Mx	.035	4.5
79	MP1B	X	-70.143	2
80	MP1B	Z	40.497	2
81	MP1B	Mx	-.035	2
82	MP1B	X	-70.143	4.5
83	MP1B	Z	40.497	4.5
84	MP1B	Mx	-.035	4.5
85	MP1C	X	-38.938	2
86	MP1C	Z	22.481	2
87	MP1C	Mx	0	2
88	MP1C	X	-38.938	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	22.481	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	-70.143	2
92	MP5A	Z	40.497	2
93	MP5A	Mx	.035	2
94	MP5A	X	-70.143	4.5
95	MP5A	Z	40.497	4.5
96	MP5A	Mx	.035	4.5
97	MP5B	X	-70.143	2
98	MP5B	Z	40.497	2
99	MP5B	Mx	-.035	2
100	MP5B	X	-70.143	4.5
101	MP5B	Z	40.497	4.5
102	MP5B	Mx	-.035	4.5
103	MP5C	X	-38.938	2
104	MP5C	Z	22.481	2
105	MP5C	Mx	0	2
106	MP5C	X	-38.938	4.5
107	MP5C	Z	22.481	4.5
108	MP5C	Mx	0	4.5
109	MP4A	X	-99.601	1.5
110	MP4A	Z	57.505	1.5
111	MP4A	Mx	-.05	1.5
112	MP4B	X	-99.601	1.5
113	MP4B	Z	57.505	1.5
114	MP4B	Mx	.05	1.5
115	MP1C	X	-29.837	.25
116	MP1C	Z	17.227	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-126.553	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.063	.5
4	MP2A	X	-126.553	6
5	MP2A	Z	0	6
6	MP2A	Mx	.063	6
7	MP2B	X	-159.305	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.132	.5
10	MP2B	X	-159.305	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.132	6
13	MP2C	X	-159.305	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.052	.5
16	MP2C	X	-159.305	6
17	MP2C	Z	0	6
18	MP2C	Mx	.052	6
19	MP2A	X	-126.553	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.063	.5
22	MP2A	X	-126.553	6
23	MP2A	Z	0	6
24	MP2A	Mx	.063	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-159.305	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.052	.5
28	MP2B	X	-159.305	6
29	MP2B	Z	0	6
30	MP2B	Mx	.052	6
31	MP2C	X	-159.305	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.132	.5
34	MP2C	X	-159.305	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.132	6
37	MP3A	X	-31.698	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.016	2.25
40	MP3A	X	-31.698	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.016	4.25
43	MP3B	X	-68.648	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.017	2.25
46	MP3B	X	-68.648	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.017	4.25
49	MP3C	X	-68.648	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.017	2.25
52	MP3C	X	-68.648	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.017	4.25
55	MP1A	X	-43.067	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.022	2.5
58	MP1B	X	-59.087	2.5
59	MP1B	Z	0	2.5
60	MP1B	Mx	.015	2.5
61	MP1C	X	-59.087	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	.015	2.5
64	MP2A	X	-39.191	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	-.02	2.5
67	MP2B	X	-58.118	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	.015	2.5
70	MP2C	X	-58.118	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.015	2.5
73	MP1A	X	-93.004	2
74	MP1A	Z	0	2
75	MP1A	Mx	.047	2
76	MP1A	X	-93.004	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	.047	4.5
79	MP1B	X	-56.972	2
80	MP1B	Z	0	2
81	MP1B	Mx	-.014	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	-56.972	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	-.014	4.5
85	MP1C	X	-56.972	2
86	MP1C	Z	0	2
87	MP1C	Mx	-.014	2
88	MP1C	X	-56.972	4.5
89	MP1C	Z	0	4.5
90	MP1C	Mx	-.014	4.5
91	MP5A	X	-93.004	2
92	MP5A	Z	0	2
93	MP5A	Mx	.047	2
94	MP5A	X	-93.004	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	.047	4.5
97	MP5B	X	-56.972	2
98	MP5B	Z	0	2
99	MP5B	Mx	-.014	2
100	MP5B	X	-56.972	4.5
101	MP5B	Z	0	4.5
102	MP5B	Mx	-.014	4.5
103	MP5C	X	-56.972	2
104	MP5C	Z	0	2
105	MP5C	Mx	-.014	2
106	MP5C	X	-56.972	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	-.014	4.5
109	MP4A	X	-106.719	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	-.053	1.5
112	MP4B	X	-131.59	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	.033	1.5
115	MP1C	X	-33.736	.25
116	MP1C	Z	0	.25
117	MP1C	Mx	.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-119.053	.5
2	MP2A	Z	-68.735	.5
3	MP2A	Mx	.105	.5
4	MP2A	X	-119.053	6
5	MP2A	Z	-68.735	6
6	MP2A	Mx	.105	6
7	MP2B	X	-147.417	.5
8	MP2B	Z	-85.111	.5
9	MP2B	Mx	-.113	.5
10	MP2B	X	-147.417	6
11	MP2B	Z	-85.111	6
12	MP2B	Mx	-.113	6
13	MP2C	X	-119.053	.5
14	MP2C	Z	-68.735	.5
15	MP2C	Mx	-.014	.5
16	MP2C	X	-119.053	6
17	MP2C	Z	-68.735	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.014	6
19	MP2A	X	-119.053	.5
20	MP2A	Z	-68.735	.5
21	MP2A	Mx	.014	.5
22	MP2A	X	-119.053	6
23	MP2A	Z	-68.735	6
24	MP2A	Mx	.014	6
25	MP2B	X	-147.417	.5
26	MP2B	Z	-85.111	.5
27	MP2B	Mx	.113	.5
28	MP2B	X	-147.417	6
29	MP2B	Z	-85.111	6
30	MP2B	Mx	.113	6
31	MP2C	X	-119.053	.5
32	MP2C	Z	-68.735	.5
33	MP2C	Mx	-.105	.5
34	MP2C	X	-119.053	6
35	MP2C	Z	-68.735	6
36	MP2C	Mx	-.105	6
37	MP3A	X	-38.118	2.25
38	MP3A	Z	-22.007	2.25
39	MP3A	Mx	.019	2.25
40	MP3A	X	-38.118	4.25
41	MP3A	Z	-22.007	4.25
42	MP3A	Mx	.019	4.25
43	MP3B	X	-70.118	2.25
44	MP3B	Z	-40.483	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-70.118	4.25
47	MP3B	Z	-40.483	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	-38.118	2.25
50	MP3C	Z	-22.007	2.25
51	MP3C	Mx	-.019	2.25
52	MP3C	X	-38.118	4.25
53	MP3C	Z	-22.007	4.25
54	MP3C	Mx	-.019	4.25
55	MP1A	X	-41.922	2.5
56	MP1A	Z	-24.203	2.5
57	MP1A	Mx	-.021	2.5
58	MP1B	X	-55.796	2.5
59	MP1B	Z	-32.214	2.5
60	MP1B	Mx	0	2.5
61	MP1C	X	-41.922	2.5
62	MP1C	Z	-24.203	2.5
63	MP1C	Mx	.021	2.5
64	MP2A	X	-39.404	2.5
65	MP2A	Z	-22.75	2.5
66	MP2A	Mx	-.02	2.5
67	MP2B	X	-55.796	2.5
68	MP2B	Z	-32.214	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	-39.404	2.5
71	MP2C	Z	-22.75	2.5
72	MP2C	Mx	.02	2.5
73	MP1A	X	-70.143	2
74	MP1A	Z	-40.497	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1A	Mx	.035	2
76	MP1A	X	-70.143	4.5
77	MP1A	Z	-40.497	4.5
78	MP1A	Mx	.035	4.5
79	MP1B	X	-38.938	2
80	MP1B	Z	-22.481	2
81	MP1B	Mx	0	2
82	MP1B	X	-38.938	4.5
83	MP1B	Z	-22.481	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	-70.143	2
86	MP1C	Z	-40.497	2
87	MP1C	Mx	-.035	2
88	MP1C	X	-70.143	4.5
89	MP1C	Z	-40.497	4.5
90	MP1C	Mx	-.035	4.5
91	MP5A	X	-70.143	2
92	MP5A	Z	-40.497	2
93	MP5A	Mx	.035	2
94	MP5A	X	-70.143	4.5
95	MP5A	Z	-40.497	4.5
96	MP5A	Mx	.035	4.5
97	MP5B	X	-38.938	2
98	MP5B	Z	-22.481	2
99	MP5B	Mx	0	2
100	MP5B	X	-38.938	4.5
101	MP5B	Z	-22.481	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	-70.143	2
104	MP5C	Z	-40.497	2
105	MP5C	Mx	-.035	2
106	MP5C	X	-70.143	4.5
107	MP5C	Z	-40.497	4.5
108	MP5C	Mx	-.035	4.5
109	MP4A	X	-99.601	1.5
110	MP4A	Z	-57.505	1.5
111	MP4A	Mx	-.05	1.5
112	MP4B	X	-121.14	1.5
113	MP4B	Z	-69.94	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	-27.973	.25
116	MP1C	Z	-16.15	.25
117	MP1C	Mx	.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-79.652	.5
2	MP2A	Z	-137.962	.5
3	MP2A	Mx	.132	.5
4	MP2A	X	-79.652	6
5	MP2A	Z	-137.962	6
6	MP2A	Mx	.132	6
7	MP2B	X	-79.652	.5
8	MP2B	Z	-137.962	.5
9	MP2B	Mx	-.052	.5
10	MP2B	X	-79.652	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-137.962	6
12	MP2B	Mx	-.052	6
13	MP2C	X	-63.277	.5
14	MP2C	Z	-109.599	.5
15	MP2C	Mx	-.063	.5
16	MP2C	X	-63.277	6
17	MP2C	Z	-109.599	6
18	MP2C	Mx	-.063	6
19	MP2A	X	-79.652	.5
20	MP2A	Z	-137.962	.5
21	MP2A	Mx	-.052	.5
22	MP2A	X	-79.652	6
23	MP2A	Z	-137.962	6
24	MP2A	Mx	-.052	6
25	MP2B	X	-79.652	.5
26	MP2B	Z	-137.962	.5
27	MP2B	Mx	.132	.5
28	MP2B	X	-79.652	6
29	MP2B	Z	-137.962	6
30	MP2B	Mx	.132	6
31	MP2C	X	-63.277	.5
32	MP2C	Z	-109.599	.5
33	MP2C	Mx	-.063	.5
34	MP2C	X	-63.277	6
35	MP2C	Z	-109.599	6
36	MP2C	Mx	-.063	6
37	MP3A	X	-34.324	2.25
38	MP3A	Z	-59.451	2.25
39	MP3A	Mx	.017	2.25
40	MP3A	X	-34.324	4.25
41	MP3A	Z	-59.451	4.25
42	MP3A	Mx	.017	4.25
43	MP3B	X	-34.324	2.25
44	MP3B	Z	-59.451	2.25
45	MP3B	Mx	.017	2.25
46	MP3B	X	-34.324	4.25
47	MP3B	Z	-59.451	4.25
48	MP3B	Mx	.017	4.25
49	MP3C	X	-15.849	2.25
50	MP3C	Z	-27.451	2.25
51	MP3C	Mx	-.016	2.25
52	MP3C	X	-15.849	4.25
53	MP3C	Z	-27.451	4.25
54	MP3C	Mx	-.016	4.25
55	MP1A	X	-29.544	2.5
56	MP1A	Z	-51.171	2.5
57	MP1A	Mx	-.015	2.5
58	MP1B	X	-29.544	2.5
59	MP1B	Z	-51.171	2.5
60	MP1B	Mx	-.015	2.5
61	MP1C	X	-21.533	2.5
62	MP1C	Z	-37.297	2.5
63	MP1C	Mx	.022	2.5
64	MP2A	X	-29.059	2.5
65	MP2A	Z	-50.332	2.5
66	MP2A	Mx	-.015	2.5
67	MP2B	X	-29.059	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2B	Z	-50.332	2.5
69	MP2B	Mx	-.015	2.5
70	MP2C	X	-19.595	2.5
71	MP2C	Z	-33.94	2.5
72	MP2C	Mx	.02	2.5
73	MP1A	X	-28.486	2
74	MP1A	Z	-49.339	2
75	MP1A	Mx	.014	2
76	MP1A	X	-28.486	4.5
77	MP1A	Z	-49.339	4.5
78	MP1A	Mx	.014	4.5
79	MP1B	X	-28.486	2
80	MP1B	Z	-49.339	2
81	MP1B	Mx	.014	2
82	MP1B	X	-28.486	4.5
83	MP1B	Z	-49.339	4.5
84	MP1B	Mx	.014	4.5
85	MP1C	X	-46.502	2
86	MP1C	Z	-80.544	2
87	MP1C	Mx	-.047	2
88	MP1C	X	-46.502	4.5
89	MP1C	Z	-80.544	4.5
90	MP1C	Mx	-.047	4.5
91	MP5A	X	-28.486	2
92	MP5A	Z	-49.339	2
93	MP5A	Mx	.014	2
94	MP5A	X	-28.486	4.5
95	MP5A	Z	-49.339	4.5
96	MP5A	Mx	.014	4.5
97	MP5B	X	-28.486	2
98	MP5B	Z	-49.339	2
99	MP5B	Mx	.014	2
100	MP5B	X	-28.486	4.5
101	MP5B	Z	-49.339	4.5
102	MP5B	Mx	.014	4.5
103	MP5C	X	-46.502	2
104	MP5C	Z	-80.544	2
105	MP5C	Mx	-.047	2
106	MP5C	X	-46.502	4.5
107	MP5C	Z	-80.544	4.5
108	MP5C	Mx	-.047	4.5
109	MP4A	X	-65.795	1.5
110	MP4A	Z	-113.961	1.5
111	MP4A	Mx	-.033	1.5
112	MP4B	X	-65.795	1.5
113	MP4B	Z	-113.961	1.5
114	MP4B	Mx	-.033	1.5
115	MP1C	X	-15.791	.25
116	MP1C	Z	-27.351	.25
117	MP1C	Mx	.016	.25

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	-30.646	.5
3	MP2A	Mx	.02	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	0	6
5	MP2A	Z	-30.646	6
6	MP2A	Mx	.02	6
7	MP2B	X	0	.5
8	MP2B	Z	-25.046	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	0	6
11	MP2B	Z	-25.046	6
12	MP2B	Mx	.002	6
13	MP2C	X	0	.5
14	MP2C	Z	-25.046	.5
15	MP2C	Mx	-.019	.5
16	MP2C	X	0	6
17	MP2C	Z	-25.046	6
18	MP2C	Mx	-.019	6
19	MP2A	X	0	.5
20	MP2A	Z	-30.646	.5
21	MP2A	Mx	-.02	.5
22	MP2A	X	0	6
23	MP2A	Z	-30.646	6
24	MP2A	Mx	-.02	6
25	MP2B	X	0	.5
26	MP2B	Z	-25.046	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	0	6
29	MP2B	Z	-25.046	6
30	MP2B	Mx	.019	6
31	MP2C	X	0	.5
32	MP2C	Z	-25.046	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	0	6
35	MP2C	Z	-25.046	6
36	MP2C	Mx	-.002	6
37	MP3A	X	0	2.25
38	MP3A	Z	-15.096	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-15.096	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-8.592	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	-8.592	4.25
48	MP3B	Mx	.004	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-8.592	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-8.592	4.25
54	MP3C	Mx	-.004	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	-12.716	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	-9.81	2.5
60	MP1B	Mx	-.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	0	2.5
62	MP1C	Z	-9.81	2.5
63	MP1C	Mx	.004	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	-12.716	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	-9.287	2.5
69	MP2B	Mx	-.004	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	-9.287	2.5
72	MP2C	Mx	.004	2.5
73	MP1A	X	0	2
74	MP1A	Z	-8.989	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	-8.989	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2
80	MP1B	Z	-15.136	2
81	MP1B	Mx	.007	2
82	MP1B	X	0	4.5
83	MP1B	Z	-15.136	4.5
84	MP1B	Mx	.007	4.5
85	MP1C	X	0	2
86	MP1C	Z	-15.136	2
87	MP1C	Mx	-.007	2
88	MP1C	X	0	4.5
89	MP1C	Z	-15.136	4.5
90	MP1C	Mx	-.007	4.5
91	MP5A	X	0	2
92	MP5A	Z	-8.989	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5
95	MP5A	Z	-8.989	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	-15.136	2
99	MP5B	Mx	.007	2
100	MP5B	X	0	4.5
101	MP5B	Z	-15.136	4.5
102	MP5B	Mx	.007	4.5
103	MP5C	X	0	2
104	MP5C	Z	-15.136	2
105	MP5C	Mx	-.007	2
106	MP5C	X	0	4.5
107	MP5C	Z	-15.136	4.5
108	MP5C	Mx	-.007	4.5
109	MP4A	X	0	1.5
110	MP4A	Z	-26.145	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	-21.867	1.5
114	MP4B	Mx	-.009	1.5
115	MP1C	X	0	.25
116	MP1C	Z	-5.928	.25
117	MP1C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.39	.5
2	MP2A	Z	-24.924	.5
3	MP2A	Mx	.009	.5
4	MP2A	X	14.39	6
5	MP2A	Z	-24.924	6
6	MP2A	Mx	.009	6
7	MP2B	X	11.59	.5
8	MP2B	Z	-20.074	.5
9	MP2B	Mx	.012	.5
10	MP2B	X	11.59	6
11	MP2B	Z	-20.074	6
12	MP2B	Mx	.012	6
13	MP2C	X	14.39	.5
14	MP2C	Z	-24.924	.5
15	MP2C	Mx	-.024	.5
16	MP2C	X	14.39	6
17	MP2C	Z	-24.924	6
18	MP2C	Mx	-.024	6
19	MP2A	X	14.39	.5
20	MP2A	Z	-24.924	.5
21	MP2A	Mx	-.024	.5
22	MP2A	X	14.39	6
23	MP2A	Z	-24.924	6
24	MP2A	Mx	-.024	6
25	MP2B	X	11.59	.5
26	MP2B	Z	-20.074	.5
27	MP2B	Mx	.012	.5
28	MP2B	X	11.59	6
29	MP2B	Z	-20.074	6
30	MP2B	Mx	.012	6
31	MP2C	X	14.39	.5
32	MP2C	Z	-24.924	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	14.39	6
35	MP2C	Z	-24.924	6
36	MP2C	Mx	.009	6
37	MP3A	X	6.464	2.25
38	MP3A	Z	-11.196	2.25
39	MP3A	Mx	-.003	2.25
40	MP3A	X	6.464	4.25
41	MP3A	Z	-11.196	4.25
42	MP3A	Mx	-.003	4.25
43	MP3B	X	3.212	2.25
44	MP3B	Z	-5.564	2.25
45	MP3B	Mx	.003	2.25
46	MP3B	X	3.212	4.25
47	MP3B	Z	-5.564	4.25
48	MP3B	Mx	.003	4.25
49	MP3C	X	6.464	2.25
50	MP3C	Z	-11.196	2.25
51	MP3C	Mx	-.003	2.25
52	MP3C	X	6.464	4.25
53	MP3C	Z	-11.196	4.25
54	MP3C	Mx	-.003	4.25
55	MP1A	X	5.873	2.5
56	MP1A	Z	-10.173	2.5
57	MP1A	Mx	.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	4.421	2.5
59	MP1B	Z	-7.657	2.5
60	MP1B	Mx	-.004	2.5
61	MP1C	X	5.873	2.5
62	MP1C	Z	-10.173	2.5
63	MP1C	Mx	.003	2.5
64	MP2A	X	5.786	2.5
65	MP2A	Z	-10.022	2.5
66	MP2A	Mx	.003	2.5
67	MP2B	X	4.072	2.5
68	MP2B	Z	-7.053	2.5
69	MP2B	Mx	-.004	2.5
70	MP2C	X	5.786	2.5
71	MP2C	Z	-10.022	2.5
72	MP2C	Mx	.003	2.5
73	MP1A	X	5.519	2
74	MP1A	Z	-9.559	2
75	MP1A	Mx	-.003	2
76	MP1A	X	5.519	4.5
77	MP1A	Z	-9.559	4.5
78	MP1A	Mx	-.003	4.5
79	MP1B	X	8.593	2
80	MP1B	Z	-14.883	2
81	MP1B	Mx	.009	2
82	MP1B	X	8.593	4.5
83	MP1B	Z	-14.883	4.5
84	MP1B	Mx	.009	4.5
85	MP1C	X	5.519	2
86	MP1C	Z	-9.559	2
87	MP1C	Mx	-.003	2
88	MP1C	X	5.519	4.5
89	MP1C	Z	-9.559	4.5
90	MP1C	Mx	-.003	4.5
91	MP5A	X	5.519	2
92	MP5A	Z	-9.559	2
93	MP5A	Mx	-.003	2
94	MP5A	X	5.519	4.5
95	MP5A	Z	-9.559	4.5
96	MP5A	Mx	-.003	4.5
97	MP5B	X	8.593	2
98	MP5B	Z	-14.883	2
99	MP5B	Mx	.009	2
100	MP5B	X	8.593	4.5
101	MP5B	Z	-14.883	4.5
102	MP5B	Mx	.009	4.5
103	MP5C	X	5.519	2
104	MP5C	Z	-9.559	2
105	MP5C	Mx	-.003	2
106	MP5C	X	5.519	4.5
107	MP5C	Z	-9.559	4.5
108	MP5C	Mx	-.003	4.5
109	MP4A	X	12.36	1.5
110	MP4A	Z	-21.407	1.5
111	MP4A	Mx	.006	1.5
112	MP4B	X	10.22	1.5
113	MP4B	Z	-17.702	1.5
114	MP4B	Mx	-.01	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP1C	X	2.107	.25
116	MP1C	Z	-3.65	.25
117	MP1C	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.691	.5
2	MP2A	Z	-12.523	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	21.691	6
5	MP2A	Z	-12.523	6
6	MP2A	Mx	-.002	6
7	MP2B	X	21.691	.5
8	MP2B	Z	-12.523	.5
9	MP2B	Mx	.019	.5
10	MP2B	X	21.691	6
11	MP2B	Z	-12.523	6
12	MP2B	Mx	.019	6
13	MP2C	X	26.541	.5
14	MP2C	Z	-15.323	.5
15	MP2C	Mx	-.02	.5
16	MP2C	X	26.541	6
17	MP2C	Z	-15.323	6
18	MP2C	Mx	-.02	6
19	MP2A	X	21.691	.5
20	MP2A	Z	-12.523	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	21.691	6
23	MP2A	Z	-12.523	6
24	MP2A	Mx	-.019	6
25	MP2B	X	21.691	.5
26	MP2B	Z	-12.523	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	21.691	6
29	MP2B	Z	-12.523	6
30	MP2B	Mx	.002	6
31	MP2C	X	26.541	.5
32	MP2C	Z	-15.323	.5
33	MP2C	Mx	.02	.5
34	MP2C	X	26.541	6
35	MP2C	Z	-15.323	6
36	MP2C	Mx	.02	6
37	MP3A	X	7.441	2.25
38	MP3A	Z	-4.296	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	7.441	4.25
41	MP3A	Z	-4.296	4.25
42	MP3A	Mx	-.004	4.25
43	MP3B	X	7.441	2.25
44	MP3B	Z	-4.296	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	7.441	4.25
47	MP3B	Z	-4.296	4.25
48	MP3B	Mx	.004	4.25
49	MP3C	X	13.073	2.25
50	MP3C	Z	-7.548	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	0	2.25
52	MP3C	X	13.073	4.25
53	MP3C	Z	-7.548	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	8.496	2.5
56	MP1A	Z	-4.905	2.5
57	MP1A	Mx	.004	2.5
58	MP1B	X	8.496	2.5
59	MP1B	Z	-4.905	2.5
60	MP1B	Mx	-.004	2.5
61	MP1C	X	11.012	2.5
62	MP1C	Z	-6.358	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	8.043	2.5
65	MP2A	Z	-4.643	2.5
66	MP2A	Mx	.004	2.5
67	MP2B	X	8.043	2.5
68	MP2B	Z	-4.643	2.5
69	MP2B	Mx	-.004	2.5
70	MP2C	X	11.012	2.5
71	MP2C	Z	-6.358	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	13.108	2
74	MP1A	Z	-7.568	2
75	MP1A	Mx	-.007	2
76	MP1A	X	13.108	4.5
77	MP1A	Z	-7.568	4.5
78	MP1A	Mx	-.007	4.5
79	MP1B	X	13.108	2
80	MP1B	Z	-7.568	2
81	MP1B	Mx	.007	2
82	MP1B	X	13.108	4.5
83	MP1B	Z	-7.568	4.5
84	MP1B	Mx	.007	4.5
85	MP1C	X	7.784	2
86	MP1C	Z	-4.494	2
87	MP1C	Mx	0	2
88	MP1C	X	7.784	4.5
89	MP1C	Z	-4.494	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	13.108	2
92	MP5A	Z	-7.568	2
93	MP5A	Mx	-.007	2
94	MP5A	X	13.108	4.5
95	MP5A	Z	-7.568	4.5
96	MP5A	Mx	-.007	4.5
97	MP5B	X	13.108	2
98	MP5B	Z	-7.568	2
99	MP5B	Mx	.007	2
100	MP5B	X	13.108	4.5
101	MP5B	Z	-7.568	4.5
102	MP5B	Mx	.007	4.5
103	MP5C	X	7.784	2
104	MP5C	Z	-4.494	2
105	MP5C	Mx	0	2
106	MP5C	X	7.784	4.5
107	MP5C	Z	-4.494	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP5C	Mx	0	4.5
109	MP4A	X	18.937	1.5
110	MP4A	Z	-10.933	1.5
111	MP4A	Mx	.009	1.5
112	MP4B	X	18.937	1.5
113	MP4B	Z	-10.933	1.5
114	MP4B	Mx	-.009	1.5
115	MP1C	X	2.908	.25
116	MP1C	Z	-1.679	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.18	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.012	.5
4	MP2A	X	23.18	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.012	6
7	MP2B	X	28.78	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.024	.5
10	MP2B	X	28.78	6
11	MP2B	Z	0	6
12	MP2B	Mx	.024	6
13	MP2C	X	28.78	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.009	.5
16	MP2C	X	28.78	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.009	6
19	MP2A	X	23.18	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.012	.5
22	MP2A	X	23.18	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.012	6
25	MP2B	X	28.78	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.009	.5
28	MP2B	X	28.78	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.009	6
31	MP2C	X	28.78	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.024	.5
34	MP2C	X	28.78	6
35	MP2C	Z	0	6
36	MP2C	Mx	.024	6
37	MP3A	X	6.425	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.003	2.25
40	MP3A	X	6.425	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.003	4.25
43	MP3B	X	12.928	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	2.25
45	MP3B	Mx	.003	2.25
46	MP3B	X	12.928	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.003	4.25
49	MP3C	X	12.928	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.003	2.25
52	MP3C	X	12.928	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.003	4.25
55	MP1A	X	8.841	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.004	2.5
58	MP1B	X	11.747	2.5
59	MP1B	Z	0	2.5
60	MP1B	Mx	-.003	2.5
61	MP1C	X	11.747	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	-.003	2.5
64	MP2A	X	8.144	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	.004	2.5
67	MP2B	X	11.573	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	-.003	2.5
70	MP2C	X	11.573	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.003	2.5
73	MP1A	X	17.186	2
74	MP1A	Z	0	2
75	MP1A	Mx	-.009	2
76	MP1A	X	17.186	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	-.009	4.5
79	MP1B	X	11.038	2
80	MP1B	Z	0	2
81	MP1B	Mx	.003	2
82	MP1B	X	11.038	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	.003	4.5
85	MP1C	X	11.038	2
86	MP1C	Z	0	2
87	MP1C	Mx	.003	2
88	MP1C	X	11.038	4.5
89	MP1C	Z	0	4.5
90	MP1C	Mx	.003	4.5
91	MP5A	X	17.186	2
92	MP5A	Z	0	2
93	MP5A	Mx	-.009	2
94	MP5A	X	17.186	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	-.009	4.5
97	MP5B	X	11.038	2
98	MP5B	Z	0	2
99	MP5B	Mx	.003	2
100	MP5B	X	11.038	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP5B	Z	0	4.5
102	MP5B	Mx	.003	4.5
103	MP5C	X	11.038	2
104	MP5C	Z	0	2
105	MP5C	Mx	.003	2
106	MP5C	X	11.038	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	.003	4.5
109	MP4A	X	20.44	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	.01	1.5
112	MP4B	X	24.719	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	-.006	1.5
115	MP1C	X	4.215	.25
116	MP1C	Z	0	.25
117	MP1C	Mx	-.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.691	.5
2	MP2A	Z	12.523	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	21.691	6
5	MP2A	Z	12.523	6
6	MP2A	Mx	-.019	6
7	MP2B	X	26.541	.5
8	MP2B	Z	15.323	.5
9	MP2B	Mx	.02	.5
10	MP2B	X	26.541	6
11	MP2B	Z	15.323	6
12	MP2B	Mx	.02	6
13	MP2C	X	21.691	.5
14	MP2C	Z	12.523	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	21.691	6
17	MP2C	Z	12.523	6
18	MP2C	Mx	.002	6
19	MP2A	X	21.691	.5
20	MP2A	Z	12.523	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	21.691	6
23	MP2A	Z	12.523	6
24	MP2A	Mx	-.002	6
25	MP2B	X	26.541	.5
26	MP2B	Z	15.323	.5
27	MP2B	Mx	-.02	.5
28	MP2B	X	26.541	6
29	MP2B	Z	15.323	6
30	MP2B	Mx	-.02	6
31	MP2C	X	21.691	.5
32	MP2C	Z	12.523	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	21.691	6
35	MP2C	Z	12.523	6
36	MP2C	Mx	.019	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	7.441	2.25
38	MP3A	Z	4.296	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	7.441	4.25
41	MP3A	Z	4.296	4.25
42	MP3A	Mx	-.004	4.25
43	MP3B	X	13.073	2.25
44	MP3B	Z	7.548	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	13.073	4.25
47	MP3B	Z	7.548	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	7.441	2.25
50	MP3C	Z	4.296	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	7.441	4.25
53	MP3C	Z	4.296	4.25
54	MP3C	Mx	.004	4.25
55	MP1A	X	8.496	2.5
56	MP1A	Z	4.905	2.5
57	MP1A	Mx	.004	2.5
58	MP1B	X	11.012	2.5
59	MP1B	Z	6.358	2.5
60	MP1B	Mx	0	2.5
61	MP1C	X	8.496	2.5
62	MP1C	Z	4.905	2.5
63	MP1C	Mx	-.004	2.5
64	MP2A	X	8.043	2.5
65	MP2A	Z	4.643	2.5
66	MP2A	Mx	.004	2.5
67	MP2B	X	11.012	2.5
68	MP2B	Z	6.358	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	8.043	2.5
71	MP2C	Z	4.643	2.5
72	MP2C	Mx	-.004	2.5
73	MP1A	X	13.108	2
74	MP1A	Z	7.568	2
75	MP1A	Mx	-.007	2
76	MP1A	X	13.108	4.5
77	MP1A	Z	7.568	4.5
78	MP1A	Mx	-.007	4.5
79	MP1B	X	7.784	2
80	MP1B	Z	4.494	2
81	MP1B	Mx	0	2
82	MP1B	X	7.784	4.5
83	MP1B	Z	4.494	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	13.108	2
86	MP1C	Z	7.568	2
87	MP1C	Mx	.007	2
88	MP1C	X	13.108	4.5
89	MP1C	Z	7.568	4.5
90	MP1C	Mx	.007	4.5
91	MP5A	X	13.108	2
92	MP5A	Z	7.568	2
93	MP5A	Mx	-.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP5A	X	13.108	4.5
95	MP5A	Z	7.568	4.5
96	MP5A	Mx	-.007	4.5
97	MP5B	X	7.784	2
98	MP5B	Z	4.494	2
99	MP5B	Mx	0	2
100	MP5B	X	7.784	4.5
101	MP5B	Z	4.494	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	13.108	2
104	MP5C	Z	7.568	2
105	MP5C	Mx	.007	2
106	MP5C	X	13.108	4.5
107	MP5C	Z	7.568	4.5
108	MP5C	Mx	.007	4.5
109	MP4A	X	18.937	1.5
110	MP4A	Z	10.933	1.5
111	MP4A	Mx	.009	1.5
112	MP4B	X	22.643	1.5
113	MP4B	Z	13.073	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	5.134	.25
116	MP1C	Z	2.964	.25
117	MP1C	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.39	.5
2	MP2A	Z	24.924	.5
3	MP2A	Mx	-.024	.5
4	MP2A	X	14.39	6
5	MP2A	Z	24.924	6
6	MP2A	Mx	-.024	6
7	MP2B	X	14.39	.5
8	MP2B	Z	24.924	.5
9	MP2B	Mx	.009	.5
10	MP2B	X	14.39	6
11	MP2B	Z	24.924	6
12	MP2B	Mx	.009	6
13	MP2C	X	11.59	.5
14	MP2C	Z	20.074	.5
15	MP2C	Mx	.012	.5
16	MP2C	X	11.59	6
17	MP2C	Z	20.074	6
18	MP2C	Mx	.012	6
19	MP2A	X	14.39	.5
20	MP2A	Z	24.924	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	14.39	6
23	MP2A	Z	24.924	6
24	MP2A	Mx	.009	6
25	MP2B	X	14.39	.5
26	MP2B	Z	24.924	.5
27	MP2B	Mx	-.024	.5
28	MP2B	X	14.39	6
29	MP2B	Z	24.924	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.024	6
31	MP2C	X	11.59	.5
32	MP2C	Z	20.074	.5
33	MP2C	Mx	.012	.5
34	MP2C	X	11.59	6
35	MP2C	Z	20.074	6
36	MP2C	Mx	.012	6
37	MP3A	X	6.464	2.25
38	MP3A	Z	11.196	2.25
39	MP3A	Mx	-.003	2.25
40	MP3A	X	6.464	4.25
41	MP3A	Z	11.196	4.25
42	MP3A	Mx	-.003	4.25
43	MP3B	X	6.464	2.25
44	MP3B	Z	11.196	2.25
45	MP3B	Mx	-.003	2.25
46	MP3B	X	6.464	4.25
47	MP3B	Z	11.196	4.25
48	MP3B	Mx	-.003	4.25
49	MP3C	X	3.212	2.25
50	MP3C	Z	5.564	2.25
51	MP3C	Mx	.003	2.25
52	MP3C	X	3.212	4.25
53	MP3C	Z	5.564	4.25
54	MP3C	Mx	.003	4.25
55	MP1A	X	5.873	2.5
56	MP1A	Z	10.173	2.5
57	MP1A	Mx	.003	2.5
58	MP1B	X	5.873	2.5
59	MP1B	Z	10.173	2.5
60	MP1B	Mx	.003	2.5
61	MP1C	X	4.421	2.5
62	MP1C	Z	7.657	2.5
63	MP1C	Mx	-.004	2.5
64	MP2A	X	5.786	2.5
65	MP2A	Z	10.022	2.5
66	MP2A	Mx	.003	2.5
67	MP2B	X	5.786	2.5
68	MP2B	Z	10.022	2.5
69	MP2B	Mx	.003	2.5
70	MP2C	X	4.072	2.5
71	MP2C	Z	7.053	2.5
72	MP2C	Mx	-.004	2.5
73	MP1A	X	5.519	2
74	MP1A	Z	9.559	2
75	MP1A	Mx	-.003	2
76	MP1A	X	5.519	4.5
77	MP1A	Z	9.559	4.5
78	MP1A	Mx	-.003	4.5
79	MP1B	X	5.519	2
80	MP1B	Z	9.559	2
81	MP1B	Mx	-.003	2
82	MP1B	X	5.519	4.5
83	MP1B	Z	9.559	4.5
84	MP1B	Mx	-.003	4.5
85	MP1C	X	8.593	2
86	MP1C	Z	14.883	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	.009	2
88	MP1C	X	8.593	4.5
89	MP1C	Z	14.883	4.5
90	MP1C	Mx	.009	4.5
91	MP5A	X	5.519	2
92	MP5A	Z	9.559	2
93	MP5A	Mx	-.003	2
94	MP5A	X	5.519	4.5
95	MP5A	Z	9.559	4.5
96	MP5A	Mx	-.003	4.5
97	MP5B	X	5.519	2
98	MP5B	Z	9.559	2
99	MP5B	Mx	-.003	2
100	MP5B	X	5.519	4.5
101	MP5B	Z	9.559	4.5
102	MP5B	Mx	-.003	4.5
103	MP5C	X	8.593	2
104	MP5C	Z	14.883	2
105	MP5C	Mx	.009	2
106	MP5C	X	8.593	4.5
107	MP5C	Z	14.883	4.5
108	MP5C	Mx	.009	4.5
109	MP4A	X	12.36	1.5
110	MP4A	Z	21.407	1.5
111	MP4A	Mx	.006	1.5
112	MP4B	X	12.36	1.5
113	MP4B	Z	21.407	1.5
114	MP4B	Mx	.006	1.5
115	MP1C	X	3.393	.25
116	MP1C	Z	5.876	.25
117	MP1C	Mx	-.003	.25

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	30.646	.5
3	MP2A	Mx	-.02	.5
4	MP2A	X	0	6
5	MP2A	Z	30.646	6
6	MP2A	Mx	-.02	6
7	MP2B	X	0	.5
8	MP2B	Z	25.046	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	0	6
11	MP2B	Z	25.046	6
12	MP2B	Mx	-.002	6
13	MP2C	X	0	.5
14	MP2C	Z	25.046	.5
15	MP2C	Mx	.019	.5
16	MP2C	X	0	6
17	MP2C	Z	25.046	6
18	MP2C	Mx	.019	6
19	MP2A	X	0	.5
20	MP2A	Z	30.646	.5
21	MP2A	Mx	.02	.5
22	MP2A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	30.646	6
24	MP2A	Mx	.02	6
25	MP2B	X	0	.5
26	MP2B	Z	25.046	.5
27	MP2B	Mx	-.019	.5
28	MP2B	X	0	6
29	MP2B	Z	25.046	6
30	MP2B	Mx	-.019	6
31	MP2C	X	0	.5
32	MP2C	Z	25.046	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	0	6
35	MP2C	Z	25.046	6
36	MP2C	Mx	.002	6
37	MP3A	X	0	2.25
38	MP3A	Z	15.096	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	15.096	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	8.592	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	8.592	4.25
48	MP3B	Mx	-.004	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	8.592	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	8.592	4.25
54	MP3C	Mx	.004	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	12.716	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	9.81	2.5
60	MP1B	Mx	.004	2.5
61	MP1C	X	0	2.5
62	MP1C	Z	9.81	2.5
63	MP1C	Mx	-.004	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	12.716	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	9.287	2.5
69	MP2B	Mx	.004	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	9.287	2.5
72	MP2C	Mx	-.004	2.5
73	MP1A	X	0	2
74	MP1A	Z	8.989	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	8.989	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1B	Z	15.136	2
81	MP1B	Mx	-.007	2
82	MP1B	X	0	4.5
83	MP1B	Z	15.136	4.5
84	MP1B	Mx	-.007	4.5
85	MP1C	X	0	2
86	MP1C	Z	15.136	2
87	MP1C	Mx	.007	2
88	MP1C	X	0	4.5
89	MP1C	Z	15.136	4.5
90	MP1C	Mx	.007	4.5
91	MP5A	X	0	2
92	MP5A	Z	8.989	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5
95	MP5A	Z	8.989	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	15.136	2
99	MP5B	Mx	-.007	2
100	MP5B	X	0	4.5
101	MP5B	Z	15.136	4.5
102	MP5B	Mx	-.007	4.5
103	MP5C	X	0	2
104	MP5C	Z	15.136	2
105	MP5C	Mx	.007	2
106	MP5C	X	0	4.5
107	MP5C	Z	15.136	4.5
108	MP5C	Mx	.007	4.5
109	MP4A	X	0	1.5
110	MP4A	Z	26.145	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	21.867	1.5
114	MP4B	Mx	.009	1.5
115	MP1C	X	0	.25
116	MP1C	Z	5.928	.25
117	MP1C	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.39	.5
2	MP2A	Z	24.924	.5
3	MP2A	Mx	-.009	.5
4	MP2A	X	-14.39	6
5	MP2A	Z	24.924	6
6	MP2A	Mx	-.009	6
7	MP2B	X	-11.59	.5
8	MP2B	Z	20.074	.5
9	MP2B	Mx	-.012	.5
10	MP2B	X	-11.59	6
11	MP2B	Z	20.074	6
12	MP2B	Mx	-.012	6
13	MP2C	X	-14.39	.5
14	MP2C	Z	24.924	.5
15	MP2C	Mx	.024	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-14.39	6
17	MP2C	Z	24.924	6
18	MP2C	Mx	.024	6
19	MP2A	X	-14.39	.5
20	MP2A	Z	24.924	.5
21	MP2A	Mx	.024	.5
22	MP2A	X	-14.39	6
23	MP2A	Z	24.924	6
24	MP2A	Mx	.024	6
25	MP2B	X	-11.59	.5
26	MP2B	Z	20.074	.5
27	MP2B	Mx	-.012	.5
28	MP2B	X	-11.59	6
29	MP2B	Z	20.074	6
30	MP2B	Mx	-.012	6
31	MP2C	X	-14.39	.5
32	MP2C	Z	24.924	.5
33	MP2C	Mx	-.009	.5
34	MP2C	X	-14.39	6
35	MP2C	Z	24.924	6
36	MP2C	Mx	-.009	6
37	MP3A	X	-6.464	2.25
38	MP3A	Z	11.196	2.25
39	MP3A	Mx	.003	2.25
40	MP3A	X	-6.464	4.25
41	MP3A	Z	11.196	4.25
42	MP3A	Mx	.003	4.25
43	MP3B	X	-3.212	2.25
44	MP3B	Z	5.564	2.25
45	MP3B	Mx	-.003	2.25
46	MP3B	X	-3.212	4.25
47	MP3B	Z	5.564	4.25
48	MP3B	Mx	-.003	4.25
49	MP3C	X	-6.464	2.25
50	MP3C	Z	11.196	2.25
51	MP3C	Mx	.003	2.25
52	MP3C	X	-6.464	4.25
53	MP3C	Z	11.196	4.25
54	MP3C	Mx	.003	4.25
55	MP1A	X	-5.873	2.5
56	MP1A	Z	10.173	2.5
57	MP1A	Mx	-.003	2.5
58	MP1B	X	-4.421	2.5
59	MP1B	Z	7.657	2.5
60	MP1B	Mx	.004	2.5
61	MP1C	X	-5.873	2.5
62	MP1C	Z	10.173	2.5
63	MP1C	Mx	-.003	2.5
64	MP2A	X	-5.786	2.5
65	MP2A	Z	10.022	2.5
66	MP2A	Mx	-.003	2.5
67	MP2B	X	-4.072	2.5
68	MP2B	Z	7.053	2.5
69	MP2B	Mx	.004	2.5
70	MP2C	X	-5.786	2.5
71	MP2C	Z	10.022	2.5
72	MP2C	Mx	-.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	-5.519	2
74	MP1A	Z	9.559	2
75	MP1A	Mx	.003	2
76	MP1A	X	-5.519	4.5
77	MP1A	Z	9.559	4.5
78	MP1A	Mx	.003	4.5
79	MP1B	X	-8.593	2
80	MP1B	Z	14.883	2
81	MP1B	Mx	-.009	2
82	MP1B	X	-8.593	4.5
83	MP1B	Z	14.883	4.5
84	MP1B	Mx	-.009	4.5
85	MP1C	X	-5.519	2
86	MP1C	Z	9.559	2
87	MP1C	Mx	.003	2
88	MP1C	X	-5.519	4.5
89	MP1C	Z	9.559	4.5
90	MP1C	Mx	.003	4.5
91	MP5A	X	-5.519	2
92	MP5A	Z	9.559	2
93	MP5A	Mx	.003	2
94	MP5A	X	-5.519	4.5
95	MP5A	Z	9.559	4.5
96	MP5A	Mx	.003	4.5
97	MP5B	X	-8.593	2
98	MP5B	Z	14.883	2
99	MP5B	Mx	-.009	2
100	MP5B	X	-8.593	4.5
101	MP5B	Z	14.883	4.5
102	MP5B	Mx	-.009	4.5
103	MP5C	X	-5.519	2
104	MP5C	Z	9.559	2
105	MP5C	Mx	.003	2
106	MP5C	X	-5.519	4.5
107	MP5C	Z	9.559	4.5
108	MP5C	Mx	.003	4.5
109	MP4A	X	-12.36	1.5
110	MP4A	Z	21.407	1.5
111	MP4A	Mx	-.006	1.5
112	MP4B	X	-10.22	1.5
113	MP4B	Z	17.702	1.5
114	MP4B	Mx	.01	1.5
115	MP1C	X	-2.107	.25
116	MP1C	Z	3.65	.25
117	MP1C	Mx	-.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.691	.5
2	MP2A	Z	12.523	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	-21.691	6
5	MP2A	Z	12.523	6
6	MP2A	Mx	.002	6
7	MP2B	X	-21.691	.5
8	MP2B	Z	12.523	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.019	.5
10	MP2B	X	-21.691	6
11	MP2B	Z	12.523	6
12	MP2B	Mx	-.019	6
13	MP2C	X	-26.541	.5
14	MP2C	Z	15.323	.5
15	MP2C	Mx	.02	.5
16	MP2C	X	-26.541	6
17	MP2C	Z	15.323	6
18	MP2C	Mx	.02	6
19	MP2A	X	-21.691	.5
20	MP2A	Z	12.523	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	-21.691	6
23	MP2A	Z	12.523	6
24	MP2A	Mx	.019	6
25	MP2B	X	-21.691	.5
26	MP2B	Z	12.523	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-21.691	6
29	MP2B	Z	12.523	6
30	MP2B	Mx	-.002	6
31	MP2C	X	-26.541	.5
32	MP2C	Z	15.323	.5
33	MP2C	Mx	-.02	.5
34	MP2C	X	-26.541	6
35	MP2C	Z	15.323	6
36	MP2C	Mx	-.02	6
37	MP3A	X	-7.441	2.25
38	MP3A	Z	4.296	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-7.441	4.25
41	MP3A	Z	4.296	4.25
42	MP3A	Mx	.004	4.25
43	MP3B	X	-7.441	2.25
44	MP3B	Z	4.296	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	-7.441	4.25
47	MP3B	Z	4.296	4.25
48	MP3B	Mx	-.004	4.25
49	MP3C	X	-13.073	2.25
50	MP3C	Z	7.548	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-13.073	4.25
53	MP3C	Z	7.548	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	-8.496	2.5
56	MP1A	Z	4.905	2.5
57	MP1A	Mx	-.004	2.5
58	MP1B	X	-8.496	2.5
59	MP1B	Z	4.905	2.5
60	MP1B	Mx	.004	2.5
61	MP1C	X	-11.012	2.5
62	MP1C	Z	6.358	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	-8.043	2.5
65	MP2A	Z	4.643	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.004	2.5
67	MP2B	X	-8.043	2.5
68	MP2B	Z	4.643	2.5
69	MP2B	Mx	.004	2.5
70	MP2C	X	-11.012	2.5
71	MP2C	Z	6.358	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	-13.108	2
74	MP1A	Z	7.568	2
75	MP1A	Mx	.007	2
76	MP1A	X	-13.108	4.5
77	MP1A	Z	7.568	4.5
78	MP1A	Mx	.007	4.5
79	MP1B	X	-13.108	2
80	MP1B	Z	7.568	2
81	MP1B	Mx	-.007	2
82	MP1B	X	-13.108	4.5
83	MP1B	Z	7.568	4.5
84	MP1B	Mx	-.007	4.5
85	MP1C	X	-7.784	2
86	MP1C	Z	4.494	2
87	MP1C	Mx	0	2
88	MP1C	X	-7.784	4.5
89	MP1C	Z	4.494	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	-13.108	2
92	MP5A	Z	7.568	2
93	MP5A	Mx	.007	2
94	MP5A	X	-13.108	4.5
95	MP5A	Z	7.568	4.5
96	MP5A	Mx	.007	4.5
97	MP5B	X	-13.108	2
98	MP5B	Z	7.568	2
99	MP5B	Mx	-.007	2
100	MP5B	X	-13.108	4.5
101	MP5B	Z	7.568	4.5
102	MP5B	Mx	-.007	4.5
103	MP5C	X	-7.784	2
104	MP5C	Z	4.494	2
105	MP5C	Mx	0	2
106	MP5C	X	-7.784	4.5
107	MP5C	Z	4.494	4.5
108	MP5C	Mx	0	4.5
109	MP4A	X	-18.937	1.5
110	MP4A	Z	10.933	1.5
111	MP4A	Mx	-.009	1.5
112	MP4B	X	-18.937	1.5
113	MP4B	Z	10.933	1.5
114	MP4B	Mx	.009	1.5
115	MP1C	X	-2.908	.25
116	MP1C	Z	1.679	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.18	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	0	.5
3	MP2A	Mx	.012	.5
4	MP2A	X	-23.18	6
5	MP2A	Z	0	6
6	MP2A	Mx	.012	6
7	MP2B	X	-28.78	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.024	.5
10	MP2B	X	-28.78	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.024	6
13	MP2C	X	-28.78	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.009	.5
16	MP2C	X	-28.78	6
17	MP2C	Z	0	6
18	MP2C	Mx	.009	6
19	MP2A	X	-23.18	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.012	.5
22	MP2A	X	-23.18	6
23	MP2A	Z	0	6
24	MP2A	Mx	.012	6
25	MP2B	X	-28.78	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	-28.78	6
29	MP2B	Z	0	6
30	MP2B	Mx	.009	6
31	MP2C	X	-28.78	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.024	.5
34	MP2C	X	-28.78	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.024	6
37	MP3A	X	-6.425	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.003	2.25
40	MP3A	X	-6.425	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.003	4.25
43	MP3B	X	-12.928	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.003	2.25
46	MP3B	X	-12.928	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.003	4.25
49	MP3C	X	-12.928	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.003	2.25
52	MP3C	X	-12.928	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.003	4.25
55	MP1A	X	-8.841	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.004	2.5
58	MP1B	X	-11.747	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1B	Z	0	2.5
60	MP1B	Mx	.003	2.5
61	MP1C	X	-11.747	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	.003	2.5
64	MP2A	X	-8.144	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	-.004	2.5
67	MP2B	X	-11.573	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	.003	2.5
70	MP2C	X	-11.573	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.003	2.5
73	MP1A	X	-17.186	2
74	MP1A	Z	0	2
75	MP1A	Mx	.009	2
76	MP1A	X	-17.186	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	.009	4.5
79	MP1B	X	-11.038	2
80	MP1B	Z	0	2
81	MP1B	Mx	-.003	2
82	MP1B	X	-11.038	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	-.003	4.5
85	MP1C	X	-11.038	2
86	MP1C	Z	0	2
87	MP1C	Mx	-.003	2
88	MP1C	X	-11.038	4.5
89	MP1C	Z	0	4.5
90	MP1C	Mx	-.003	4.5
91	MP5A	X	-17.186	2
92	MP5A	Z	0	2
93	MP5A	Mx	.009	2
94	MP5A	X	-17.186	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	.009	4.5
97	MP5B	X	-11.038	2
98	MP5B	Z	0	2
99	MP5B	Mx	-.003	2
100	MP5B	X	-11.038	4.5
101	MP5B	Z	0	4.5
102	MP5B	Mx	-.003	4.5
103	MP5C	X	-11.038	2
104	MP5C	Z	0	2
105	MP5C	Mx	-.003	2
106	MP5C	X	-11.038	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	-.003	4.5
109	MP4A	X	-20.44	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	-.01	1.5
112	MP4B	X	-24.719	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	.006	1.5
115	MP1C	X	-4.215	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP1C	Z	0	.25
117	MP1C	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.691	.5
2	MP2A	Z	-12.523	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	-21.691	6
5	MP2A	Z	-12.523	6
6	MP2A	Mx	.019	6
7	MP2B	X	-26.541	.5
8	MP2B	Z	-15.323	.5
9	MP2B	Mx	-.02	.5
10	MP2B	X	-26.541	6
11	MP2B	Z	-15.323	6
12	MP2B	Mx	-.02	6
13	MP2C	X	-21.691	.5
14	MP2C	Z	-12.523	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	-21.691	6
17	MP2C	Z	-12.523	6
18	MP2C	Mx	-.002	6
19	MP2A	X	-21.691	.5
20	MP2A	Z	-12.523	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-21.691	6
23	MP2A	Z	-12.523	6
24	MP2A	Mx	.002	6
25	MP2B	X	-26.541	.5
26	MP2B	Z	-15.323	.5
27	MP2B	Mx	.02	.5
28	MP2B	X	-26.541	6
29	MP2B	Z	-15.323	6
30	MP2B	Mx	.02	6
31	MP2C	X	-21.691	.5
32	MP2C	Z	-12.523	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	-21.691	6
35	MP2C	Z	-12.523	6
36	MP2C	Mx	-.019	6
37	MP3A	X	-7.441	2.25
38	MP3A	Z	-4.296	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-7.441	4.25
41	MP3A	Z	-4.296	4.25
42	MP3A	Mx	.004	4.25
43	MP3B	X	-13.073	2.25
44	MP3B	Z	-7.548	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-13.073	4.25
47	MP3B	Z	-7.548	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	-7.441	2.25
50	MP3C	Z	-4.296	2.25
51	MP3C	Mx	-.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-7.441	4.25
53	MP3C	Z	-4.296	4.25
54	MP3C	Mx	-.004	4.25
55	MP1A	X	-8.496	2.5
56	MP1A	Z	-4.905	2.5
57	MP1A	Mx	-.004	2.5
58	MP1B	X	-11.012	2.5
59	MP1B	Z	-6.358	2.5
60	MP1B	Mx	0	2.5
61	MP1C	X	-8.496	2.5
62	MP1C	Z	-4.905	2.5
63	MP1C	Mx	.004	2.5
64	MP2A	X	-8.043	2.5
65	MP2A	Z	-4.643	2.5
66	MP2A	Mx	-.004	2.5
67	MP2B	X	-11.012	2.5
68	MP2B	Z	-6.358	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	-8.043	2.5
71	MP2C	Z	-4.643	2.5
72	MP2C	Mx	.004	2.5
73	MP1A	X	-13.108	2
74	MP1A	Z	-7.568	2
75	MP1A	Mx	.007	2
76	MP1A	X	-13.108	4.5
77	MP1A	Z	-7.568	4.5
78	MP1A	Mx	.007	4.5
79	MP1B	X	-7.784	2
80	MP1B	Z	-4.494	2
81	MP1B	Mx	0	2
82	MP1B	X	-7.784	4.5
83	MP1B	Z	-4.494	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	-13.108	2
86	MP1C	Z	-7.568	2
87	MP1C	Mx	-.007	2
88	MP1C	X	-13.108	4.5
89	MP1C	Z	-7.568	4.5
90	MP1C	Mx	-.007	4.5
91	MP5A	X	-13.108	2
92	MP5A	Z	-7.568	2
93	MP5A	Mx	.007	2
94	MP5A	X	-13.108	4.5
95	MP5A	Z	-7.568	4.5
96	MP5A	Mx	.007	4.5
97	MP5B	X	-7.784	2
98	MP5B	Z	-4.494	2
99	MP5B	Mx	0	2
100	MP5B	X	-7.784	4.5
101	MP5B	Z	-4.494	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	-13.108	2
104	MP5C	Z	-7.568	2
105	MP5C	Mx	-.007	2
106	MP5C	X	-13.108	4.5
107	MP5C	Z	-7.568	4.5
108	MP5C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP4A	X	-18.937	1.5
110	MP4A	Z	-10.933	1.5
111	MP4A	Mx	-.009	1.5
112	MP4B	X	-22.643	1.5
113	MP4B	Z	-13.073	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	-5.134	.25
116	MP1C	Z	-2.964	.25
117	MP1C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.39	.5
2	MP2A	Z	-24.924	.5
3	MP2A	Mx	.024	.5
4	MP2A	X	-14.39	6
5	MP2A	Z	-24.924	6
6	MP2A	Mx	.024	6
7	MP2B	X	-14.39	.5
8	MP2B	Z	-24.924	.5
9	MP2B	Mx	-.009	.5
10	MP2B	X	-14.39	6
11	MP2B	Z	-24.924	6
12	MP2B	Mx	-.009	6
13	MP2C	X	-11.59	.5
14	MP2C	Z	-20.074	.5
15	MP2C	Mx	-.012	.5
16	MP2C	X	-11.59	6
17	MP2C	Z	-20.074	6
18	MP2C	Mx	-.012	6
19	MP2A	X	-14.39	.5
20	MP2A	Z	-24.924	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	-14.39	6
23	MP2A	Z	-24.924	6
24	MP2A	Mx	-.009	6
25	MP2B	X	-14.39	.5
26	MP2B	Z	-24.924	.5
27	MP2B	Mx	.024	.5
28	MP2B	X	-14.39	6
29	MP2B	Z	-24.924	6
30	MP2B	Mx	.024	6
31	MP2C	X	-11.59	.5
32	MP2C	Z	-20.074	.5
33	MP2C	Mx	-.012	.5
34	MP2C	X	-11.59	6
35	MP2C	Z	-20.074	6
36	MP2C	Mx	-.012	6
37	MP3A	X	-6.464	2.25
38	MP3A	Z	-11.196	2.25
39	MP3A	Mx	.003	2.25
40	MP3A	X	-6.464	4.25
41	MP3A	Z	-11.196	4.25
42	MP3A	Mx	.003	4.25
43	MP3B	X	-6.464	2.25
44	MP3B	Z	-11.196	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.003	2.25
46	MP3B	X	-6.464	4.25
47	MP3B	Z	-11.196	4.25
48	MP3B	Mx	.003	4.25
49	MP3C	X	-3.212	2.25
50	MP3C	Z	-5.564	2.25
51	MP3C	Mx	-.003	2.25
52	MP3C	X	-3.212	4.25
53	MP3C	Z	-5.564	4.25
54	MP3C	Mx	-.003	4.25
55	MP1A	X	-5.873	2.5
56	MP1A	Z	-10.173	2.5
57	MP1A	Mx	-.003	2.5
58	MP1B	X	-5.873	2.5
59	MP1B	Z	-10.173	2.5
60	MP1B	Mx	-.003	2.5
61	MP1C	X	-4.421	2.5
62	MP1C	Z	-7.657	2.5
63	MP1C	Mx	.004	2.5
64	MP2A	X	-5.786	2.5
65	MP2A	Z	-10.022	2.5
66	MP2A	Mx	-.003	2.5
67	MP2B	X	-5.786	2.5
68	MP2B	Z	-10.022	2.5
69	MP2B	Mx	-.003	2.5
70	MP2C	X	-4.072	2.5
71	MP2C	Z	-7.053	2.5
72	MP2C	Mx	.004	2.5
73	MP1A	X	-5.519	2
74	MP1A	Z	-9.559	2
75	MP1A	Mx	.003	2
76	MP1A	X	-5.519	4.5
77	MP1A	Z	-9.559	4.5
78	MP1A	Mx	.003	4.5
79	MP1B	X	-5.519	2
80	MP1B	Z	-9.559	2
81	MP1B	Mx	.003	2
82	MP1B	X	-5.519	4.5
83	MP1B	Z	-9.559	4.5
84	MP1B	Mx	.003	4.5
85	MP1C	X	-8.593	2
86	MP1C	Z	-14.883	2
87	MP1C	Mx	-.009	2
88	MP1C	X	-8.593	4.5
89	MP1C	Z	-14.883	4.5
90	MP1C	Mx	-.009	4.5
91	MP5A	X	-5.519	2
92	MP5A	Z	-9.559	2
93	MP5A	Mx	.003	2
94	MP5A	X	-5.519	4.5
95	MP5A	Z	-9.559	4.5
96	MP5A	Mx	.003	4.5
97	MP5B	X	-5.519	2
98	MP5B	Z	-9.559	2
99	MP5B	Mx	.003	2
100	MP5B	X	-5.519	4.5
101	MP5B	Z	-9.559	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5B	Mx	.003	4.5
103	MP5C	X	-8.593	2
104	MP5C	Z	-14.883	2
105	MP5C	Mx	-.009	2
106	MP5C	X	-8.593	4.5
107	MP5C	Z	-14.883	4.5
108	MP5C	Mx	-.009	4.5
109	MP4A	X	-12.36	1.5
110	MP4A	Z	-21.407	1.5
111	MP4A	Mx	-.006	1.5
112	MP4B	X	-12.36	1.5
113	MP4B	Z	-21.407	1.5
114	MP4B	Mx	-.006	1.5
115	MP1C	X	-3.393	.25
116	MP1C	Z	-5.876	.25
117	MP1C	Mx	.003	.25

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	-10.126	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	0	6
5	MP2A	Z	-10.126	6
6	MP2A	Mx	.007	6
7	MP2B	X	0	.5
8	MP2B	Z	-8.178	.5
9	MP2B	Mx	.000815	.5
10	MP2B	X	0	6
11	MP2B	Z	-8.178	6
12	MP2B	Mx	.000815	6
13	MP2C	X	0	.5
14	MP2C	Z	-8.178	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	0	6
17	MP2C	Z	-8.178	6
18	MP2C	Mx	-.006	6
19	MP2A	X	0	.5
20	MP2A	Z	-10.126	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	0	6
23	MP2A	Z	-10.126	6
24	MP2A	Mx	-.007	6
25	MP2B	X	0	.5
26	MP2B	Z	-8.178	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	0	6
29	MP2B	Z	-8.178	6
30	MP2B	Mx	.006	6
31	MP2C	X	0	.5
32	MP2C	Z	-8.178	.5
33	MP2C	Mx	-.000815	.5
34	MP2C	X	0	6
35	MP2C	Z	-8.178	6
36	MP2C	Mx	-.000815	6
37	MP3A	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-4.817	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-4.817	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-2.618	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	-2.618	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-2.618	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-2.618	4.25
54	MP3C	Mx	-.001	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	-3.833	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	-2.88	2.5
60	MP1B	Mx	-.001	2.5
61	MP1C	X	0	2.5
62	MP1C	Z	-2.88	2.5
63	MP1C	Mx	.001	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	-3.833	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	-2.707	2.5
69	MP2B	Mx	-.001	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	-2.707	2.5
72	MP2C	Mx	.001	2.5
73	MP1A	X	0	2
74	MP1A	Z	-2.675	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	-2.675	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2
80	MP1B	Z	-4.818	2
81	MP1B	Mx	.002	2
82	MP1B	X	0	4.5
83	MP1B	Z	-4.818	4.5
84	MP1B	Mx	.002	4.5
85	MP1C	X	0	2
86	MP1C	Z	-4.818	2
87	MP1C	Mx	-.002	2
88	MP1C	X	0	4.5
89	MP1C	Z	-4.818	4.5
90	MP1C	Mx	-.002	4.5
91	MP5A	X	0	2
92	MP5A	Z	-2.675	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5A	Z	-2.675	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	-4.818	2
99	MP5B	Mx	.002	2
100	MP5B	X	0	4.5
101	MP5B	Z	-4.818	4.5
102	MP5B	Mx	.002	4.5
103	MP5C	X	0	2
104	MP5C	Z	-4.818	2
105	MP5C	Mx	-.002	2
106	MP5C	X	0	4.5
107	MP5C	Z	-4.818	4.5
108	MP5C	Mx	-.002	4.5
109	MP4A	X	0	1.5
110	MP4A	Z	-8.321	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	-6.842	1.5
114	MP4B	Mx	-.003	1.5
115	MP1C	X	0	.25
116	MP1C	Z	-1.921	.25
117	MP1C	Mx	.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.738	.5
2	MP2A	Z	-8.207	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	4.738	6
5	MP2A	Z	-8.207	6
6	MP2A	Mx	.003	6
7	MP2B	X	3.764	.5
8	MP2B	Z	-6.52	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	3.764	6
11	MP2B	Z	-6.52	6
12	MP2B	Mx	.004	6
13	MP2C	X	4.738	.5
14	MP2C	Z	-8.207	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	4.738	6
17	MP2C	Z	-8.207	6
18	MP2C	Mx	-.008	6
19	MP2A	X	4.738	.5
20	MP2A	Z	-8.207	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	4.738	6
23	MP2A	Z	-8.207	6
24	MP2A	Mx	-.008	6
25	MP2B	X	3.764	.5
26	MP2B	Z	-6.52	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	3.764	6
29	MP2B	Z	-6.52	6
30	MP2B	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	4.738	.5
32	MP2C	Z	-8.207	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	4.738	6
35	MP2C	Z	-8.207	6
36	MP2C	Mx	.003	6
37	MP3A	X	2.042	2.25
38	MP3A	Z	-3.537	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.042	4.25
41	MP3A	Z	-3.537	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	.943	2.25
44	MP3B	Z	-1.633	2.25
45	MP3B	Mx	.000943	2.25
46	MP3B	X	.943	4.25
47	MP3B	Z	-1.633	4.25
48	MP3B	Mx	.000943	4.25
49	MP3C	X	2.042	2.25
50	MP3C	Z	-3.537	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	2.042	4.25
53	MP3C	Z	-3.537	4.25
54	MP3C	Mx	-.001	4.25
55	MP1A	X	1.758	2.5
56	MP1A	Z	-3.044	2.5
57	MP1A	Mx	.000879	2.5
58	MP1B	X	1.281	2.5
59	MP1B	Z	-2.219	2.5
60	MP1B	Mx	-.001	2.5
61	MP1C	X	1.758	2.5
62	MP1C	Z	-3.044	2.5
63	MP1C	Mx	.000879	2.5
64	MP2A	X	1.729	2.5
65	MP2A	Z	-2.994	2.5
66	MP2A	Mx	.000864	2.5
67	MP2B	X	1.166	2.5
68	MP2B	Z	-2.019	2.5
69	MP2B	Mx	-.001	2.5
70	MP2C	X	1.729	2.5
71	MP2C	Z	-2.994	2.5
72	MP2C	Mx	.000864	2.5
73	MP1A	X	1.695	2
74	MP1A	Z	-2.935	2
75	MP1A	Mx	-.000848	2
76	MP1A	X	1.695	4.5
77	MP1A	Z	-2.935	4.5
78	MP1A	Mx	-.000848	4.5
79	MP1B	X	2.766	2
80	MP1B	Z	-4.791	2
81	MP1B	Mx	.003	2
82	MP1B	X	2.766	4.5
83	MP1B	Z	-4.791	4.5
84	MP1B	Mx	.003	4.5
85	MP1C	X	1.695	2
86	MP1C	Z	-2.935	2
87	MP1C	Mx	-.000847	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	1.695	4.5
89	MP1C	Z	-2.935	4.5
90	MP1C	Mx	-.000847	4.5
91	MP5A	X	1.695	2
92	MP5A	Z	-2.935	2
93	MP5A	Mx	-.000848	2
94	MP5A	X	1.695	4.5
95	MP5A	Z	-2.935	4.5
96	MP5A	Mx	-.000848	4.5
97	MP5B	X	2.766	2
98	MP5B	Z	-4.791	2
99	MP5B	Mx	.003	2
100	MP5B	X	2.766	4.5
101	MP5B	Z	-4.791	4.5
102	MP5B	Mx	.003	4.5
103	MP5C	X	1.695	2
104	MP5C	Z	-2.935	2
105	MP5C	Mx	-.000847	2
106	MP5C	X	1.695	4.5
107	MP5C	Z	-2.935	4.5
108	MP5C	Mx	-.000847	4.5
109	MP4A	X	3.914	1.5
110	MP4A	Z	-6.779	1.5
111	MP4A	Mx	.002	1.5
112	MP4B	X	3.174	1.5
113	MP4B	Z	-5.498	1.5
114	MP4B	Mx	-.003	1.5
115	MP1C	X	1.003	.25
116	MP1C	Z	-1.738	.25
117	MP1C	Mx	.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.082	.5
2	MP2A	Z	-4.089	.5
3	MP2A	Mx	-.000815	.5
4	MP2A	X	7.082	6
5	MP2A	Z	-4.089	6
6	MP2A	Mx	-.000815	6
7	MP2B	X	7.082	.5
8	MP2B	Z	-4.089	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	7.082	6
11	MP2B	Z	-4.089	6
12	MP2B	Mx	.006	6
13	MP2C	X	8.77	.5
14	MP2C	Z	-5.063	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	8.77	6
17	MP2C	Z	-5.063	6
18	MP2C	Mx	-.007	6
19	MP2A	X	7.082	.5
20	MP2A	Z	-4.089	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	7.082	6
23	MP2A	Z	-4.089	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.006	6
25	MP2B	X	7.082	.5
26	MP2B	Z	-4.089	.5
27	MP2B	Mx	.000815	.5
28	MP2B	X	7.082	6
29	MP2B	Z	-4.089	6
30	MP2B	Mx	.000815	6
31	MP2C	X	8.77	.5
32	MP2C	Z	-5.063	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	8.77	6
35	MP2C	Z	-5.063	6
36	MP2C	Mx	.007	6
37	MP3A	X	2.268	2.25
38	MP3A	Z	-1.309	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.268	4.25
41	MP3A	Z	-1.309	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	2.268	2.25
44	MP3B	Z	-1.309	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	2.268	4.25
47	MP3B	Z	-1.309	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	4.171	2.25
50	MP3C	Z	-2.408	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	4.171	4.25
53	MP3C	Z	-2.408	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	2.494	2.5
56	MP1A	Z	-1.44	2.5
57	MP1A	Mx	.001	2.5
58	MP1B	X	2.494	2.5
59	MP1B	Z	-1.44	2.5
60	MP1B	Mx	-.001	2.5
61	MP1C	X	3.319	2.5
62	MP1C	Z	-1.916	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	2.344	2.5
65	MP2A	Z	-1.353	2.5
66	MP2A	Mx	.001	2.5
67	MP2B	X	2.344	2.5
68	MP2B	Z	-1.353	2.5
69	MP2B	Mx	-.001	2.5
70	MP2C	X	3.319	2.5
71	MP2C	Z	-1.916	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	4.173	2
74	MP1A	Z	-2.409	2
75	MP1A	Mx	-.002	2
76	MP1A	X	4.173	4.5
77	MP1A	Z	-2.409	4.5
78	MP1A	Mx	-.002	4.5
79	MP1B	X	4.173	2
80	MP1B	Z	-2.409	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.002	2
82	MP1B	X	4.173	4.5
83	MP1B	Z	-2.409	4.5
84	MP1B	Mx	.002	4.5
85	MP1C	X	2.316	2
86	MP1C	Z	-1.337	2
87	MP1C	Mx	0	2
88	MP1C	X	2.316	4.5
89	MP1C	Z	-1.337	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	4.173	2
92	MP5A	Z	-2.409	2
93	MP5A	Mx	-.002	2
94	MP5A	X	4.173	4.5
95	MP5A	Z	-2.409	4.5
96	MP5A	Mx	-.002	4.5
97	MP5B	X	4.173	2
98	MP5B	Z	-2.409	2
99	MP5B	Mx	.002	2
100	MP5B	X	4.173	4.5
101	MP5B	Z	-2.409	4.5
102	MP5B	Mx	.002	4.5
103	MP5C	X	2.316	2
104	MP5C	Z	-1.337	2
105	MP5C	Mx	0	2
106	MP5C	X	2.316	4.5
107	MP5C	Z	-1.337	4.5
108	MP5C	Mx	0	4.5
109	MP4A	X	5.925	1.5
110	MP4A	Z	-3.421	1.5
111	MP4A	Mx	.003	1.5
112	MP4B	X	5.925	1.5
113	MP4B	Z	-3.421	1.5
114	MP4B	Mx	-.003	1.5
115	MP1C	X	1.775	.25
116	MP1C	Z	-1.025	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.528	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	7.528	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.004	6
7	MP2B	X	9.477	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	9.477	6
11	MP2B	Z	0	6
12	MP2B	Mx	.008	6
13	MP2C	X	9.477	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	9.477	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	0	6
18	MP2C	Mx	-.003	6
19	MP2A	X	7.528	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	7.528	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.004	6
25	MP2B	X	9.477	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	9.477	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.003	6
31	MP2C	X	9.477	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	9.477	6
35	MP2C	Z	0	6
36	MP2C	Mx	.008	6
37	MP3A	X	1.886	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.000943	2.25
40	MP3A	X	1.886	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.000943	4.25
43	MP3B	X	4.084	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	4.084	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	4.084	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	4.084	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.001	4.25
55	MP1A	X	2.562	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.001	2.5
58	MP1B	X	3.515	2.5
59	MP1B	Z	0	2.5
60	MP1B	Mx	-.000879	2.5
61	MP1C	X	3.515	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	-.000879	2.5
64	MP2A	X	2.331	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	.001	2.5
67	MP2B	X	3.457	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	-.000864	2.5
70	MP2C	X	3.457	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	-.000864	2.5
73	MP1A	X	5.533	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	0	2
75	MP1A	Mx	-.003	2
76	MP1A	X	5.533	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	-.003	4.5
79	MP1B	X	3.389	2
80	MP1B	Z	0	2
81	MP1B	Mx	.000847	2
82	MP1B	X	3.389	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	.000847	4.5
85	MP1C	X	3.389	2
86	MP1C	Z	0	2
87	MP1C	Mx	.000847	2
88	MP1C	X	3.389	4.5
89	MP1C	Z	0	4.5
90	MP1C	Mx	.000847	4.5
91	MP5A	X	5.533	2
92	MP5A	Z	0	2
93	MP5A	Mx	-.003	2
94	MP5A	X	5.533	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	-.003	4.5
97	MP5B	X	3.389	2
98	MP5B	Z	0	2
99	MP5B	Mx	.000847	2
100	MP5B	X	3.389	4.5
101	MP5B	Z	0	4.5
102	MP5B	Mx	.000847	4.5
103	MP5C	X	3.389	2
104	MP5C	Z	0	2
105	MP5C	Mx	.000847	2
106	MP5C	X	3.389	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	.000847	4.5
109	MP4A	X	6.349	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	.003	1.5
112	MP4B	X	7.828	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	-.002	1.5
115	MP1C	X	2.007	.25
116	MP1C	Z	0	.25
117	MP1C	Mx	-.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.082	.5
2	MP2A	Z	4.089	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	7.082	6
5	MP2A	Z	4.089	6
6	MP2A	Mx	-.006	6
7	MP2B	X	8.77	.5
8	MP2B	Z	5.063	.5
9	MP2B	Mx	.007	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	8.77	6
11	MP2B	Z	5.063	6
12	MP2B	Mx	.007	6
13	MP2C	X	7.082	.5
14	MP2C	Z	4.089	.5
15	MP2C	Mx	.000815	.5
16	MP2C	X	7.082	6
17	MP2C	Z	4.089	6
18	MP2C	Mx	.000815	6
19	MP2A	X	7.082	.5
20	MP2A	Z	4.089	.5
21	MP2A	Mx	-.000815	.5
22	MP2A	X	7.082	6
23	MP2A	Z	4.089	6
24	MP2A	Mx	-.000815	6
25	MP2B	X	8.77	.5
26	MP2B	Z	5.063	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	8.77	6
29	MP2B	Z	5.063	6
30	MP2B	Mx	-.007	6
31	MP2C	X	7.082	.5
32	MP2C	Z	4.089	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	7.082	6
35	MP2C	Z	4.089	6
36	MP2C	Mx	.006	6
37	MP3A	X	2.268	2.25
38	MP3A	Z	1.309	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.268	4.25
41	MP3A	Z	1.309	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	4.171	2.25
44	MP3B	Z	2.408	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	4.171	4.25
47	MP3B	Z	2.408	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	2.268	2.25
50	MP3C	Z	1.309	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	2.268	4.25
53	MP3C	Z	1.309	4.25
54	MP3C	Mx	.001	4.25
55	MP1A	X	2.494	2.5
56	MP1A	Z	1.44	2.5
57	MP1A	Mx	.001	2.5
58	MP1B	X	3.319	2.5
59	MP1B	Z	1.916	2.5
60	MP1B	Mx	0	2.5
61	MP1C	X	2.494	2.5
62	MP1C	Z	1.44	2.5
63	MP1C	Mx	-.001	2.5
64	MP2A	X	2.344	2.5
65	MP2A	Z	1.353	2.5
66	MP2A	Mx	.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2B	X	3.319	2.5
68	MP2B	Z	1.916	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	2.344	2.5
71	MP2C	Z	1.353	2.5
72	MP2C	Mx	-.001	2.5
73	MP1A	X	4.173	2
74	MP1A	Z	2.409	2
75	MP1A	Mx	-.002	2
76	MP1A	X	4.173	4.5
77	MP1A	Z	2.409	4.5
78	MP1A	Mx	-.002	4.5
79	MP1B	X	2.316	2
80	MP1B	Z	1.337	2
81	MP1B	Mx	0	2
82	MP1B	X	2.316	4.5
83	MP1B	Z	1.337	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	4.173	2
86	MP1C	Z	2.409	2
87	MP1C	Mx	.002	2
88	MP1C	X	4.173	4.5
89	MP1C	Z	2.409	4.5
90	MP1C	Mx	.002	4.5
91	MP5A	X	4.173	2
92	MP5A	Z	2.409	2
93	MP5A	Mx	-.002	2
94	MP5A	X	4.173	4.5
95	MP5A	Z	2.409	4.5
96	MP5A	Mx	-.002	4.5
97	MP5B	X	2.316	2
98	MP5B	Z	1.337	2
99	MP5B	Mx	0	2
100	MP5B	X	2.316	4.5
101	MP5B	Z	1.337	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	4.173	2
104	MP5C	Z	2.409	2
105	MP5C	Mx	.002	2
106	MP5C	X	4.173	4.5
107	MP5C	Z	2.409	4.5
108	MP5C	Mx	.002	4.5
109	MP4A	X	5.925	1.5
110	MP4A	Z	3.421	1.5
111	MP4A	Mx	.003	1.5
112	MP4B	X	7.206	1.5
113	MP4B	Z	4.161	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	1.664	.25
116	MP1C	Z	.961	.25
117	MP1C	Mx	-.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.738	.5
2	MP2A	Z	8.207	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.008	.5
4	MP2A	X	4.738	6
5	MP2A	Z	8.207	6
6	MP2A	Mx	-.008	6
7	MP2B	X	4.738	.5
8	MP2B	Z	8.207	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	4.738	6
11	MP2B	Z	8.207	6
12	MP2B	Mx	.003	6
13	MP2C	X	3.764	.5
14	MP2C	Z	6.52	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	3.764	6
17	MP2C	Z	6.52	6
18	MP2C	Mx	.004	6
19	MP2A	X	4.738	.5
20	MP2A	Z	8.207	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	4.738	6
23	MP2A	Z	8.207	6
24	MP2A	Mx	.003	6
25	MP2B	X	4.738	.5
26	MP2B	Z	8.207	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	4.738	6
29	MP2B	Z	8.207	6
30	MP2B	Mx	-.008	6
31	MP2C	X	3.764	.5
32	MP2C	Z	6.52	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	3.764	6
35	MP2C	Z	6.52	6
36	MP2C	Mx	.004	6
37	MP3A	X	2.042	2.25
38	MP3A	Z	3.537	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.042	4.25
41	MP3A	Z	3.537	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	2.042	2.25
44	MP3B	Z	3.537	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	2.042	4.25
47	MP3B	Z	3.537	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	.943	2.25
50	MP3C	Z	1.633	2.25
51	MP3C	Mx	.000943	2.25
52	MP3C	X	.943	4.25
53	MP3C	Z	1.633	4.25
54	MP3C	Mx	.000943	4.25
55	MP1A	X	1.758	2.5
56	MP1A	Z	3.044	2.5
57	MP1A	Mx	.000879	2.5
58	MP1B	X	1.758	2.5
59	MP1B	Z	3.044	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.000879	2.5
61	MP1C	X	1.281	2.5
62	MP1C	Z	2.219	2.5
63	MP1C	Mx	-.001	2.5
64	MP2A	X	1.729	2.5
65	MP2A	Z	2.994	2.5
66	MP2A	Mx	.000864	2.5
67	MP2B	X	1.729	2.5
68	MP2B	Z	2.994	2.5
69	MP2B	Mx	.000864	2.5
70	MP2C	X	1.166	2.5
71	MP2C	Z	2.019	2.5
72	MP2C	Mx	-.001	2.5
73	MP1A	X	1.695	2
74	MP1A	Z	2.935	2
75	MP1A	Mx	-.000848	2
76	MP1A	X	1.695	4.5
77	MP1A	Z	2.935	4.5
78	MP1A	Mx	-.000848	4.5
79	MP1B	X	1.695	2
80	MP1B	Z	2.935	2
81	MP1B	Mx	-.000847	2
82	MP1B	X	1.695	4.5
83	MP1B	Z	2.935	4.5
84	MP1B	Mx	-.000847	4.5
85	MP1C	X	2.766	2
86	MP1C	Z	4.791	2
87	MP1C	Mx	.003	2
88	MP1C	X	2.766	4.5
89	MP1C	Z	4.791	4.5
90	MP1C	Mx	.003	4.5
91	MP5A	X	1.695	2
92	MP5A	Z	2.935	2
93	MP5A	Mx	-.000848	2
94	MP5A	X	1.695	4.5
95	MP5A	Z	2.935	4.5
96	MP5A	Mx	-.000848	4.5
97	MP5B	X	1.695	2
98	MP5B	Z	2.935	2
99	MP5B	Mx	-.000847	2
100	MP5B	X	1.695	4.5
101	MP5B	Z	2.935	4.5
102	MP5B	Mx	-.000847	4.5
103	MP5C	X	2.766	2
104	MP5C	Z	4.791	2
105	MP5C	Mx	.003	2
106	MP5C	X	2.766	4.5
107	MP5C	Z	4.791	4.5
108	MP5C	Mx	.003	4.5
109	MP4A	X	3.914	1.5
110	MP4A	Z	6.779	1.5
111	MP4A	Mx	.002	1.5
112	MP4B	X	3.914	1.5
113	MP4B	Z	6.779	1.5
114	MP4B	Mx	.002	1.5
115	MP1C	X	.939	.25
116	MP1C	Z	1.627	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP1C	Mx	-.000939	.25

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	10.126	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	0	6
5	MP2A	Z	10.126	6
6	MP2A	Mx	-.007	6
7	MP2B	X	0	.5
8	MP2B	Z	8.178	.5
9	MP2B	Mx	-.000815	.5
10	MP2B	X	0	6
11	MP2B	Z	8.178	6
12	MP2B	Mx	-.000815	6
13	MP2C	X	0	.5
14	MP2C	Z	8.178	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	0	6
17	MP2C	Z	8.178	6
18	MP2C	Mx	.006	6
19	MP2A	X	0	.5
20	MP2A	Z	10.126	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	0	6
23	MP2A	Z	10.126	6
24	MP2A	Mx	.007	6
25	MP2B	X	0	.5
26	MP2B	Z	8.178	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	0	6
29	MP2B	Z	8.178	6
30	MP2B	Mx	-.006	6
31	MP2C	X	0	.5
32	MP2C	Z	8.178	.5
33	MP2C	Mx	.000815	.5
34	MP2C	X	0	6
35	MP2C	Z	8.178	6
36	MP2C	Mx	.000815	6
37	MP3A	X	0	2.25
38	MP3A	Z	4.817	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	4.817	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	2.618	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	2.618	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	2.618	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	2.618	4.25
54	MP3C	Mx	.001	4.25
55	MP1A	X	0	2.5
56	MP1A	Z	3.833	2.5
57	MP1A	Mx	0	2.5
58	MP1B	X	0	2.5
59	MP1B	Z	2.88	2.5
60	MP1B	Mx	.001	2.5
61	MP1C	X	0	2.5
62	MP1C	Z	2.88	2.5
63	MP1C	Mx	-.001	2.5
64	MP2A	X	0	2.5
65	MP2A	Z	3.833	2.5
66	MP2A	Mx	0	2.5
67	MP2B	X	0	2.5
68	MP2B	Z	2.707	2.5
69	MP2B	Mx	.001	2.5
70	MP2C	X	0	2.5
71	MP2C	Z	2.707	2.5
72	MP2C	Mx	-.001	2.5
73	MP1A	X	0	2
74	MP1A	Z	2.675	2
75	MP1A	Mx	0	2
76	MP1A	X	0	4.5
77	MP1A	Z	2.675	4.5
78	MP1A	Mx	0	4.5
79	MP1B	X	0	2
80	MP1B	Z	4.818	2
81	MP1B	Mx	-.002	2
82	MP1B	X	0	4.5
83	MP1B	Z	4.818	4.5
84	MP1B	Mx	-.002	4.5
85	MP1C	X	0	2
86	MP1C	Z	4.818	2
87	MP1C	Mx	.002	2
88	MP1C	X	0	4.5
89	MP1C	Z	4.818	4.5
90	MP1C	Mx	.002	4.5
91	MP5A	X	0	2
92	MP5A	Z	2.675	2
93	MP5A	Mx	0	2
94	MP5A	X	0	4.5
95	MP5A	Z	2.675	4.5
96	MP5A	Mx	0	4.5
97	MP5B	X	0	2
98	MP5B	Z	4.818	2
99	MP5B	Mx	-.002	2
100	MP5B	X	0	4.5
101	MP5B	Z	4.818	4.5
102	MP5B	Mx	-.002	4.5
103	MP5C	X	0	2
104	MP5C	Z	4.818	2
105	MP5C	Mx	.002	2
106	MP5C	X	0	4.5
107	MP5C	Z	4.818	4.5
108	MP5C	Mx	.002	4.5
109	MP4A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4A	Z	8.321	1.5
111	MP4A	Mx	0	1.5
112	MP4B	X	0	1.5
113	MP4B	Z	6.842	1.5
114	MP4B	Mx	.003	1.5
115	MP1C	X	0	.25
116	MP1C	Z	1.921	.25
117	MP1C	Mx	-.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.738	.5
2	MP2A	Z	8.207	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	-4.738	6
5	MP2A	Z	8.207	6
6	MP2A	Mx	-.003	6
7	MP2B	X	-3.764	.5
8	MP2B	Z	6.52	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-3.764	6
11	MP2B	Z	6.52	6
12	MP2B	Mx	-.004	6
13	MP2C	X	-4.738	.5
14	MP2C	Z	8.207	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	-4.738	6
17	MP2C	Z	8.207	6
18	MP2C	Mx	.008	6
19	MP2A	X	-4.738	.5
20	MP2A	Z	8.207	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	-4.738	6
23	MP2A	Z	8.207	6
24	MP2A	Mx	.008	6
25	MP2B	X	-3.764	.5
26	MP2B	Z	6.52	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	-3.764	6
29	MP2B	Z	6.52	6
30	MP2B	Mx	-.004	6
31	MP2C	X	-4.738	.5
32	MP2C	Z	8.207	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-4.738	6
35	MP2C	Z	8.207	6
36	MP2C	Mx	-.003	6
37	MP3A	X	-2.042	2.25
38	MP3A	Z	3.537	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.042	4.25
41	MP3A	Z	3.537	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-.943	2.25
44	MP3B	Z	1.633	2.25
45	MP3B	Mx	-.000943	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-.943	4.25
47	MP3B	Z	1.633	4.25
48	MP3B	Mx	-.000943	4.25
49	MP3C	X	-2.042	2.25
50	MP3C	Z	3.537	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	-2.042	4.25
53	MP3C	Z	3.537	4.25
54	MP3C	Mx	.001	4.25
55	MP1A	X	-1.758	2.5
56	MP1A	Z	3.044	2.5
57	MP1A	Mx	-.000879	2.5
58	MP1B	X	-1.281	2.5
59	MP1B	Z	2.219	2.5
60	MP1B	Mx	.001	2.5
61	MP1C	X	-1.758	2.5
62	MP1C	Z	3.044	2.5
63	MP1C	Mx	-.000879	2.5
64	MP2A	X	-1.729	2.5
65	MP2A	Z	2.994	2.5
66	MP2A	Mx	-.000864	2.5
67	MP2B	X	-1.166	2.5
68	MP2B	Z	2.019	2.5
69	MP2B	Mx	.001	2.5
70	MP2C	X	-1.729	2.5
71	MP2C	Z	2.994	2.5
72	MP2C	Mx	-.000864	2.5
73	MP1A	X	-1.695	2
74	MP1A	Z	2.935	2
75	MP1A	Mx	.000848	2
76	MP1A	X	-1.695	4.5
77	MP1A	Z	2.935	4.5
78	MP1A	Mx	.000848	4.5
79	MP1B	X	-2.766	2
80	MP1B	Z	4.791	2
81	MP1B	Mx	-.003	2
82	MP1B	X	-2.766	4.5
83	MP1B	Z	4.791	4.5
84	MP1B	Mx	-.003	4.5
85	MP1C	X	-1.695	2
86	MP1C	Z	2.935	2
87	MP1C	Mx	.000847	2
88	MP1C	X	-1.695	4.5
89	MP1C	Z	2.935	4.5
90	MP1C	Mx	.000847	4.5
91	MP5A	X	-1.695	2
92	MP5A	Z	2.935	2
93	MP5A	Mx	.000848	2
94	MP5A	X	-1.695	4.5
95	MP5A	Z	2.935	4.5
96	MP5A	Mx	.000848	4.5
97	MP5B	X	-2.766	2
98	MP5B	Z	4.791	2
99	MP5B	Mx	-.003	2
100	MP5B	X	-2.766	4.5
101	MP5B	Z	4.791	4.5
102	MP5B	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP5C	X	-1.695	2
104	MP5C	Z	2.935	2
105	MP5C	Mx	.000847	2
106	MP5C	X	-1.695	4.5
107	MP5C	Z	2.935	4.5
108	MP5C	Mx	.000847	4.5
109	MP4A	X	-3.914	1.5
110	MP4A	Z	6.779	1.5
111	MP4A	Mx	-.002	1.5
112	MP4B	X	-3.174	1.5
113	MP4B	Z	5.498	1.5
114	MP4B	Mx	.003	1.5
115	MP1C	X	-1.003	.25
116	MP1C	Z	1.738	.25
117	MP1C	Mx	-.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.082	.5
2	MP2A	Z	4.089	.5
3	MP2A	Mx	.000815	.5
4	MP2A	X	-7.082	6
5	MP2A	Z	4.089	6
6	MP2A	Mx	.000815	6
7	MP2B	X	-7.082	.5
8	MP2B	Z	4.089	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	-7.082	6
11	MP2B	Z	4.089	6
12	MP2B	Mx	-.006	6
13	MP2C	X	-8.77	.5
14	MP2C	Z	5.063	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	-8.77	6
17	MP2C	Z	5.063	6
18	MP2C	Mx	.007	6
19	MP2A	X	-7.082	.5
20	MP2A	Z	4.089	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	-7.082	6
23	MP2A	Z	4.089	6
24	MP2A	Mx	.006	6
25	MP2B	X	-7.082	.5
26	MP2B	Z	4.089	.5
27	MP2B	Mx	-.000815	.5
28	MP2B	X	-7.082	6
29	MP2B	Z	4.089	6
30	MP2B	Mx	-.000815	6
31	MP2C	X	-8.77	.5
32	MP2C	Z	5.063	.5
33	MP2C	Mx	-.007	.5
34	MP2C	X	-8.77	6
35	MP2C	Z	5.063	6
36	MP2C	Mx	-.007	6
37	MP3A	X	-2.268	2.25
38	MP3A	Z	1.309	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.268	4.25
41	MP3A	Z	1.309	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-2.268	2.25
44	MP3B	Z	1.309	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	-2.268	4.25
47	MP3B	Z	1.309	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	-4.171	2.25
50	MP3C	Z	2.408	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-4.171	4.25
53	MP3C	Z	2.408	4.25
54	MP3C	Mx	0	4.25
55	MP1A	X	-2.494	2.5
56	MP1A	Z	1.44	2.5
57	MP1A	Mx	-.001	2.5
58	MP1B	X	-2.494	2.5
59	MP1B	Z	1.44	2.5
60	MP1B	Mx	.001	2.5
61	MP1C	X	-3.319	2.5
62	MP1C	Z	1.916	2.5
63	MP1C	Mx	0	2.5
64	MP2A	X	-2.344	2.5
65	MP2A	Z	1.353	2.5
66	MP2A	Mx	-.001	2.5
67	MP2B	X	-2.344	2.5
68	MP2B	Z	1.353	2.5
69	MP2B	Mx	.001	2.5
70	MP2C	X	-3.319	2.5
71	MP2C	Z	1.916	2.5
72	MP2C	Mx	0	2.5
73	MP1A	X	-4.173	2
74	MP1A	Z	2.409	2
75	MP1A	Mx	.002	2
76	MP1A	X	-4.173	4.5
77	MP1A	Z	2.409	4.5
78	MP1A	Mx	.002	4.5
79	MP1B	X	-4.173	2
80	MP1B	Z	2.409	2
81	MP1B	Mx	-.002	2
82	MP1B	X	-4.173	4.5
83	MP1B	Z	2.409	4.5
84	MP1B	Mx	-.002	4.5
85	MP1C	X	-2.316	2
86	MP1C	Z	1.337	2
87	MP1C	Mx	0	2
88	MP1C	X	-2.316	4.5
89	MP1C	Z	1.337	4.5
90	MP1C	Mx	0	4.5
91	MP5A	X	-4.173	2
92	MP5A	Z	2.409	2
93	MP5A	Mx	.002	2
94	MP5A	X	-4.173	4.5
95	MP5A	Z	2.409	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5A	Mx	.002	4.5
97	MP5B	X	-4.173	2
98	MP5B	Z	2.409	2
99	MP5B	Mx	-.002	2
100	MP5B	X	-4.173	4.5
101	MP5B	Z	2.409	4.5
102	MP5B	Mx	-.002	4.5
103	MP5C	X	-2.316	2
104	MP5C	Z	1.337	2
105	MP5C	Mx	0	2
106	MP5C	X	-2.316	4.5
107	MP5C	Z	1.337	4.5
108	MP5C	Mx	0	4.5
109	MP4A	X	-5.925	1.5
110	MP4A	Z	3.421	1.5
111	MP4A	Mx	-.003	1.5
112	MP4B	X	-5.925	1.5
113	MP4B	Z	3.421	1.5
114	MP4B	Mx	.003	1.5
115	MP1C	X	-1.775	.25
116	MP1C	Z	1.025	.25
117	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.528	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-7.528	6
5	MP2A	Z	0	6
6	MP2A	Mx	.004	6
7	MP2B	X	-9.477	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	-9.477	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.008	6
13	MP2C	X	-9.477	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	-9.477	6
17	MP2C	Z	0	6
18	MP2C	Mx	.003	6
19	MP2A	X	-7.528	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-7.528	6
23	MP2A	Z	0	6
24	MP2A	Mx	.004	6
25	MP2B	X	-9.477	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	-9.477	6
29	MP2B	Z	0	6
30	MP2B	Mx	.003	6
31	MP2C	X	-9.477	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	0	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	-9.477	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.008	6
37	MP3A	X	-1.886	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.000943	2.25
40	MP3A	X	-1.886	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.000943	4.25
43	MP3B	X	-4.084	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	-4.084	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	-4.084	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-4.084	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.001	4.25
55	MP1A	X	-2.562	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.001	2.5
58	MP1B	X	-3.515	2.5
59	MP1B	Z	0	2.5
60	MP1B	Mx	.000879	2.5
61	MP1C	X	-3.515	2.5
62	MP1C	Z	0	2.5
63	MP1C	Mx	.000879	2.5
64	MP2A	X	-2.331	2.5
65	MP2A	Z	0	2.5
66	MP2A	Mx	-.001	2.5
67	MP2B	X	-3.457	2.5
68	MP2B	Z	0	2.5
69	MP2B	Mx	.000864	2.5
70	MP2C	X	-3.457	2.5
71	MP2C	Z	0	2.5
72	MP2C	Mx	.000864	2.5
73	MP1A	X	-5.533	2
74	MP1A	Z	0	2
75	MP1A	Mx	.003	2
76	MP1A	X	-5.533	4.5
77	MP1A	Z	0	4.5
78	MP1A	Mx	.003	4.5
79	MP1B	X	-3.389	2
80	MP1B	Z	0	2
81	MP1B	Mx	-.000847	2
82	MP1B	X	-3.389	4.5
83	MP1B	Z	0	4.5
84	MP1B	Mx	-.000847	4.5
85	MP1C	X	-3.389	2
86	MP1C	Z	0	2
87	MP1C	Mx	-.000847	2
88	MP1C	X	-3.389	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	0	4.5
90	MP1C	Mx	-.000847	4.5
91	MP5A	X	-5.533	2
92	MP5A	Z	0	2
93	MP5A	Mx	.003	2
94	MP5A	X	-5.533	4.5
95	MP5A	Z	0	4.5
96	MP5A	Mx	.003	4.5
97	MP5B	X	-3.389	2
98	MP5B	Z	0	2
99	MP5B	Mx	-.000847	2
100	MP5B	X	-3.389	4.5
101	MP5B	Z	0	4.5
102	MP5B	Mx	-.000847	4.5
103	MP5C	X	-3.389	2
104	MP5C	Z	0	2
105	MP5C	Mx	-.000847	2
106	MP5C	X	-3.389	4.5
107	MP5C	Z	0	4.5
108	MP5C	Mx	-.000847	4.5
109	MP4A	X	-6.349	1.5
110	MP4A	Z	0	1.5
111	MP4A	Mx	-.003	1.5
112	MP4B	X	-7.828	1.5
113	MP4B	Z	0	1.5
114	MP4B	Mx	.002	1.5
115	MP1C	X	-2.007	.25
116	MP1C	Z	0	.25
117	MP1C	Mx	.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.082	.5
2	MP2A	Z	-4.089	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	-7.082	6
5	MP2A	Z	-4.089	6
6	MP2A	Mx	.006	6
7	MP2B	X	-8.77	.5
8	MP2B	Z	-5.063	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	-8.77	6
11	MP2B	Z	-5.063	6
12	MP2B	Mx	-.007	6
13	MP2C	X	-7.082	.5
14	MP2C	Z	-4.089	.5
15	MP2C	Mx	-.000815	.5
16	MP2C	X	-7.082	6
17	MP2C	Z	-4.089	6
18	MP2C	Mx	-.000815	6
19	MP2A	X	-7.082	.5
20	MP2A	Z	-4.089	.5
21	MP2A	Mx	.000815	.5
22	MP2A	X	-7.082	6
23	MP2A	Z	-4.089	6
24	MP2A	Mx	.000815	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-8.77	.5
26	MP2B	Z	-5.063	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	-8.77	6
29	MP2B	Z	-5.063	6
30	MP2B	Mx	.007	6
31	MP2C	X	-7.082	.5
32	MP2C	Z	-4.089	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	-7.082	6
35	MP2C	Z	-4.089	6
36	MP2C	Mx	-.006	6
37	MP3A	X	-2.268	2.25
38	MP3A	Z	-1.309	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.268	4.25
41	MP3A	Z	-1.309	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-4.171	2.25
44	MP3B	Z	-2.408	2.25
45	MP3B	Mx	0	2.25
46	MP3B	X	-4.171	4.25
47	MP3B	Z	-2.408	4.25
48	MP3B	Mx	0	4.25
49	MP3C	X	-2.268	2.25
50	MP3C	Z	-1.309	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-2.268	4.25
53	MP3C	Z	-1.309	4.25
54	MP3C	Mx	-.001	4.25
55	MP1A	X	-2.494	2.5
56	MP1A	Z	-1.44	2.5
57	MP1A	Mx	-.001	2.5
58	MP1B	X	-3.319	2.5
59	MP1B	Z	-1.916	2.5
60	MP1B	Mx	0	2.5
61	MP1C	X	-2.494	2.5
62	MP1C	Z	-1.44	2.5
63	MP1C	Mx	.001	2.5
64	MP2A	X	-2.344	2.5
65	MP2A	Z	-1.353	2.5
66	MP2A	Mx	-.001	2.5
67	MP2B	X	-3.319	2.5
68	MP2B	Z	-1.916	2.5
69	MP2B	Mx	0	2.5
70	MP2C	X	-2.344	2.5
71	MP2C	Z	-1.353	2.5
72	MP2C	Mx	.001	2.5
73	MP1A	X	-4.173	2
74	MP1A	Z	-2.409	2
75	MP1A	Mx	.002	2
76	MP1A	X	-4.173	4.5
77	MP1A	Z	-2.409	4.5
78	MP1A	Mx	.002	4.5
79	MP1B	X	-2.316	2
80	MP1B	Z	-1.337	2
81	MP1B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	-2.316	4.5
83	MP1B	Z	-1.337	4.5
84	MP1B	Mx	0	4.5
85	MP1C	X	-4.173	2
86	MP1C	Z	-2.409	2
87	MP1C	Mx	-.002	2
88	MP1C	X	-4.173	4.5
89	MP1C	Z	-2.409	4.5
90	MP1C	Mx	-.002	4.5
91	MP5A	X	-4.173	2
92	MP5A	Z	-2.409	2
93	MP5A	Mx	.002	2
94	MP5A	X	-4.173	4.5
95	MP5A	Z	-2.409	4.5
96	MP5A	Mx	.002	4.5
97	MP5B	X	-2.316	2
98	MP5B	Z	-1.337	2
99	MP5B	Mx	0	2
100	MP5B	X	-2.316	4.5
101	MP5B	Z	-1.337	4.5
102	MP5B	Mx	0	4.5
103	MP5C	X	-4.173	2
104	MP5C	Z	-2.409	2
105	MP5C	Mx	-.002	2
106	MP5C	X	-4.173	4.5
107	MP5C	Z	-2.409	4.5
108	MP5C	Mx	-.002	4.5
109	MP4A	X	-5.925	1.5
110	MP4A	Z	-3.421	1.5
111	MP4A	Mx	-.003	1.5
112	MP4B	X	-7.206	1.5
113	MP4B	Z	-4.161	1.5
114	MP4B	Mx	0	1.5
115	MP1C	X	-1.664	.25
116	MP1C	Z	-.961	.25
117	MP1C	Mx	.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.738	.5
2	MP2A	Z	-8.207	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	-4.738	6
5	MP2A	Z	-8.207	6
6	MP2A	Mx	.008	6
7	MP2B	X	-4.738	.5
8	MP2B	Z	-8.207	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-4.738	6
11	MP2B	Z	-8.207	6
12	MP2B	Mx	-.003	6
13	MP2C	X	-3.764	.5
14	MP2C	Z	-6.52	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-3.764	6
17	MP2C	Z	-6.52	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.004	6
19	MP2A	X	-4.738	.5
20	MP2A	Z	-8.207	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	-4.738	6
23	MP2A	Z	-8.207	6
24	MP2A	Mx	-.003	6
25	MP2B	X	-4.738	.5
26	MP2B	Z	-8.207	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	-4.738	6
29	MP2B	Z	-8.207	6
30	MP2B	Mx	.008	6
31	MP2C	X	-3.764	.5
32	MP2C	Z	-6.52	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-3.764	6
35	MP2C	Z	-6.52	6
36	MP2C	Mx	-.004	6
37	MP3A	X	-2.042	2.25
38	MP3A	Z	-3.537	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.042	4.25
41	MP3A	Z	-3.537	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-2.042	2.25
44	MP3B	Z	-3.537	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	-2.042	4.25
47	MP3B	Z	-3.537	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	-.943	2.25
50	MP3C	Z	-1.633	2.25
51	MP3C	Mx	-.000943	2.25
52	MP3C	X	-.943	4.25
53	MP3C	Z	-1.633	4.25
54	MP3C	Mx	-.000943	4.25
55	MP1A	X	-1.758	2.5
56	MP1A	Z	-3.044	2.5
57	MP1A	Mx	-.000879	2.5
58	MP1B	X	-1.758	2.5
59	MP1B	Z	-3.044	2.5
60	MP1B	Mx	-.000879	2.5
61	MP1C	X	-1.281	2.5
62	MP1C	Z	-2.219	2.5
63	MP1C	Mx	.001	2.5
64	MP2A	X	-1.729	2.5
65	MP2A	Z	-2.994	2.5
66	MP2A	Mx	-.000864	2.5
67	MP2B	X	-1.729	2.5
68	MP2B	Z	-2.994	2.5
69	MP2B	Mx	-.000864	2.5
70	MP2C	X	-1.166	2.5
71	MP2C	Z	-2.019	2.5
72	MP2C	Mx	.001	2.5
73	MP1A	X	-1.695	2
74	MP1A	Z	-2.935	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1A	Mx	.000848	2
76	MP1A	X	-1.695	4.5
77	MP1A	Z	-2.935	4.5
78	MP1A	Mx	.000848	4.5
79	MP1B	X	-1.695	2
80	MP1B	Z	-2.935	2
81	MP1B	Mx	.000847	2
82	MP1B	X	-1.695	4.5
83	MP1B	Z	-2.935	4.5
84	MP1B	Mx	.000847	4.5
85	MP1C	X	-2.766	2
86	MP1C	Z	-4.791	2
87	MP1C	Mx	-.003	2
88	MP1C	X	-2.766	4.5
89	MP1C	Z	-4.791	4.5
90	MP1C	Mx	-.003	4.5
91	MP5A	X	-1.695	2
92	MP5A	Z	-2.935	2
93	MP5A	Mx	.000848	2
94	MP5A	X	-1.695	4.5
95	MP5A	Z	-2.935	4.5
96	MP5A	Mx	.000848	4.5
97	MP5B	X	-1.695	2
98	MP5B	Z	-2.935	2
99	MP5B	Mx	.000847	2
100	MP5B	X	-1.695	4.5
101	MP5B	Z	-2.935	4.5
102	MP5B	Mx	.000847	4.5
103	MP5C	X	-2.766	2
104	MP5C	Z	-4.791	2
105	MP5C	Mx	-.003	2
106	MP5C	X	-2.766	4.5
107	MP5C	Z	-4.791	4.5
108	MP5C	Mx	-.003	4.5
109	MP4A	X	-3.914	1.5
110	MP4A	Z	-6.779	1.5
111	MP4A	Mx	-.002	1.5
112	MP4B	X	-3.914	1.5
113	MP4B	Z	-6.779	1.5
114	MP4B	Mx	-.002	1.5
115	MP1C	X	-.939	.25
116	MP1C	Z	-1.627	.25
117	MP1C	Mx	.000939	.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	FACE	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	M1	Y	-9.486	-9.486	0	%100
2	M2	Y	-10.472	-10.472	0	%100
3	M5	Y	-9.965	-9.965	0	%100
4	M6	Y	-9.965	-9.965	0	%100
5	M7	Y	-9.965	-9.965	0	%100
6	M6A	Y	-7.513	-7.513	0	%100
7	FACE	Y	-7.513	-7.513	0	%100
8	MP1A	Y	-4.907	-4.907	0	%100
9	M23A	Y	-7.513	-7.513	0	%100
10	M24	Y	-7.513	-7.513	0	%100
11	M38	Y	-9.486	-9.486	0	%100
12	M39A	Y	-7.513	-7.513	0	%100
13	M40	Y	-7.513	-7.513	0	%100
14	M54	Y	-9.486	-9.486	0	%100
15	M55	Y	-10.472	-10.472	0	%100
16	M56	Y	-10.472	-10.472	0	%100
17	MP2A	Y	-4.907	-4.907	0	%100
18	MP3A	Y	-4.907	-4.907	0	%100
19	MP4A	Y	-4.907	-4.907	0	%100
20	MP5A	Y	-4.907	-4.907	0	%100
21	MP1C	Y	-4.907	-4.907	0	%100
22	MP2C	Y	-4.907	-4.907	0	%100
23	MP3C	Y	-4.907	-4.907	0	%100
24	MP4C	Y	-4.907	-4.907	0	%100
25	MP5C	Y	-4.907	-4.907	0	%100
26	MP1B	Y	-4.907	-4.907	0	%100
27	MP2B	Y	-4.907	-4.907	0	%100
28	MP3B	Y	-4.907	-4.907	0	%100
29	MP4B	Y	-4.907	-4.907	0	%100
30	MP5B	Y	-4.907	-4.907	0	%100
31	M56A	Y	-5.605	-5.605	0	%100
32	M71	Y	-5.605	-5.605	0	%100
33	M87	Y	-5.605	-5.605	0	%100
34	M74	Y	-7.513	-7.513	0	%100
35	M81	Y	-7.513	-7.513	0	%100
36	M88	Y	-7.513	-7.513	0	%100
37	M73A	Y	-11.011	-11.011	0	%100
38	M74A	Y	-11.011	-11.011	0	%100
39	M75	Y	-11.011	-11.011	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-10.982	-10.982	0	%100
9	M7	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,%]
10	M7	Z	-10.982	-10.982	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-17.227	-17.227	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-17.227	-17.227	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-8.183	-8.183	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-4.307	-4.307	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-4.307	-4.307	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-7.384	-7.384	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-4.307	-4.307	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-4.307	-4.307	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-7.384	-7.384	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-8.542	-8.542	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-8.542	-8.542	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-8.183	-8.183	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-8.183	-8.183	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-8.183	-8.183	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-8.183	-8.183	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-8.183	-8.183	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-8.183	-8.183	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-8.183	-8.183	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-8.183	-8.183	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-8.183	-8.183	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-8.183	-8.183	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-8.183	-8.183	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-8.183	-8.183	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-8.183	-8.183	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-8.183	-8.183	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-9.905	-9.905	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-2.476	-2.476	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-2.476	-2.476	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,%]
67	M74	X	0	0	0	%100
68	M74	Z	-3.014	-3.014	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-3.014	-3.014	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-12.056	-12.056	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-7.375	-7.375	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-14.548	-14.548	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-14.548	-14.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.231	1.231	0	%100
2	M1	Z	-2.131	-2.131	0	%100
3	M2	X	1.424	1.424	0	%100
4	M2	Z	-2.466	-2.466	0	%100
5	M5	X	1.83	1.83	0	%100
6	M5	Z	-3.17	-3.17	0	%100
7	M6	X	1.83	1.83	0	%100
8	M6	Z	-3.17	-3.17	0	%100
9	M7	X	7.321	7.321	0	%100
10	M7	Z	-12.681	-12.681	0	%100
11	M6A	X	6.46	6.46	0	%100
12	M6A	Z	-11.189	-11.189	0	%100
13	FACE	X	6.46	6.46	0	%100
14	FACE	Z	-11.189	-11.189	0	%100
15	MP1A	X	4.091	4.091	0	%100
16	MP1A	Z	-7.086	-7.086	0	%100
17	M23A	X	6.46	6.46	0	%100
18	M23A	Z	-11.189	-11.189	0	%100
19	M24	X	6.46	6.46	0	%100
20	M24	Z	-11.189	-11.189	0	%100
21	M38	X	1.231	1.231	0	%100
22	M38	Z	-2.131	-2.131	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	4.922	4.922	0	%100
28	M54	Z	-8.526	-8.526	0	%100
29	M55	X	1.424	1.424	0	%100
30	M55	Z	-2.466	-2.466	0	%100
31	M56	X	5.694	5.694	0	%100
32	M56	Z	-9.863	-9.863	0	%100
33	MP2A	X	4.091	4.091	0	%100
34	MP2A	Z	-7.086	-7.086	0	%100
35	MP3A	X	4.091	4.091	0	%100
36	MP3A	Z	-7.086	-7.086	0	%100
37	MP4A	X	4.091	4.091	0	%100
38	MP4A	Z	-7.086	-7.086	0	%100
39	MP5A	X	4.091	4.091	0	%100
40	MP5A	Z	-7.086	-7.086	0	%100
41	MP1C	X	4.091	4.091	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,%]
42	MP1C	Z	-7.086	-7.086	0	%100
43	MP2C	X	4.091	4.091	0	%100
44	MP2C	Z	-7.086	-7.086	0	%100
45	MP3C	X	4.091	4.091	0	%100
46	MP3C	Z	-7.086	-7.086	0	%100
47	MP4C	X	4.091	4.091	0	%100
48	MP4C	Z	-7.086	-7.086	0	%100
49	MP5C	X	4.091	4.091	0	%100
50	MP5C	Z	-7.086	-7.086	0	%100
51	MP1B	X	4.091	4.091	0	%100
52	MP1B	Z	-7.086	-7.086	0	%100
53	MP2B	X	4.091	4.091	0	%100
54	MP2B	Z	-7.086	-7.086	0	%100
55	MP3B	X	4.091	4.091	0	%100
56	MP3B	Z	-7.086	-7.086	0	%100
57	MP4B	X	4.091	4.091	0	%100
58	MP4B	Z	-7.086	-7.086	0	%100
59	MP5B	X	4.091	4.091	0	%100
60	MP5B	Z	-7.086	-7.086	0	%100
61	M56A	X	3.715	3.715	0	%100
62	M56A	Z	-6.434	-6.434	0	%100
63	M71	X	3.715	3.715	0	%100
64	M71	Z	-6.434	-6.434	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	4.521	4.521	0	%100
68	M74	Z	-7.83	-7.83	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	4.521	4.521	0	%100
72	M88	Z	-7.83	-7.83	0	%100
73	M73A	X	4.883	4.883	0	%100
74	M73A	Z	-8.458	-8.458	0	%100
75	M74A	X	4.883	4.883	0	%100
76	M74A	Z	-8.458	-8.458	0	%100
77	M75	X	8.47	8.47	0	%100
78	M75	Z	-14.67	-14.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.394	6.394	0	%100
2	M1	Z	-3.692	-3.692	0	%100
3	M2	X	7.397	7.397	0	%100
4	M2	Z	-4.271	-4.271	0	%100
5	M5	X	9.511	9.511	0	%100
6	M5	Z	-5.491	-5.491	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	9.511	9.511	0	%100
10	M7	Z	-5.491	-5.491	0	%100
11	M6A	X	3.73	3.73	0	%100
12	M6A	Z	-2.153	-2.153	0	%100
13	FACE	X	3.73	3.73	0	%100
14	FACE	Z	-2.153	-2.153	0	%100
15	MP1A	X	7.086	7.086	0	%100
16	MP1A	Z	-4.091	-4.091	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,%]
17	M23A	X	14.919	14.919	0	%100
18	M23A	Z	-8.613	-8.613	0	%100
19	M24	X	14.919	14.919	0	%100
20	M24	Z	-8.613	-8.613	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	3.73	3.73	0	%100
24	M39A	Z	-2.153	-2.153	0	%100
25	M40	X	3.73	3.73	0	%100
26	M40	Z	-2.153	-2.153	0	%100
27	M54	X	6.394	6.394	0	%100
28	M54	Z	-3.692	-3.692	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	7.397	7.397	0	%100
32	M56	Z	-4.271	-4.271	0	%100
33	MP2A	X	7.086	7.086	0	%100
34	MP2A	Z	-4.091	-4.091	0	%100
35	MP3A	X	7.086	7.086	0	%100
36	MP3A	Z	-4.091	-4.091	0	%100
37	MP4A	X	7.086	7.086	0	%100
38	MP4A	Z	-4.091	-4.091	0	%100
39	MP5A	X	7.086	7.086	0	%100
40	MP5A	Z	-4.091	-4.091	0	%100
41	MP1C	X	7.086	7.086	0	%100
42	MP1C	Z	-4.091	-4.091	0	%100
43	MP2C	X	7.086	7.086	0	%100
44	MP2C	Z	-4.091	-4.091	0	%100
45	MP3C	X	7.086	7.086	0	%100
46	MP3C	Z	-4.091	-4.091	0	%100
47	MP4C	X	7.086	7.086	0	%100
48	MP4C	Z	-4.091	-4.091	0	%100
49	MP5C	X	7.086	7.086	0	%100
50	MP5C	Z	-4.091	-4.091	0	%100
51	MP1B	X	7.086	7.086	0	%100
52	MP1B	Z	-4.091	-4.091	0	%100
53	MP2B	X	7.086	7.086	0	%100
54	MP2B	Z	-4.091	-4.091	0	%100
55	MP3B	X	7.086	7.086	0	%100
56	MP3B	Z	-4.091	-4.091	0	%100
57	MP4B	X	7.086	7.086	0	%100
58	MP4B	Z	-4.091	-4.091	0	%100
59	MP5B	X	7.086	7.086	0	%100
60	MP5B	Z	-4.091	-4.091	0	%100
61	M56A	X	2.145	2.145	0	%100
62	M56A	Z	-1.238	-1.238	0	%100
63	M71	X	8.578	8.578	0	%100
64	M71	Z	-4.953	-4.953	0	%100
65	M87	X	2.145	2.145	0	%100
66	M87	Z	-1.238	-1.238	0	%100
67	M74	X	10.44	10.44	0	%100
68	M74	Z	-6.028	-6.028	0	%100
69	M81	X	2.61	2.61	0	%100
70	M81	Z	-1.507	-1.507	0	%100
71	M88	X	2.61	2.61	0	%100
72	M88	Z	-1.507	-1.507	0	%100
73	M73A	X	12.599	12.599	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,%]
74	M73A	Z	-7.274	-7.274	0	%100
75	M74A	X	6.387	6.387	0	%100
76	M74A	Z	-3.687	-3.687	0	%100
77	M75	X	12.599	12.599	0	%100
78	M75	Z	-7.274	-7.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	9.845	9.845	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	11.389	11.389	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	14.643	14.643	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	3.661	3.661	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	3.661	3.661	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	8.183	8.183	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	12.92	12.92	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	12.92	12.92	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	2.461	2.461	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	12.92	12.92	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	12.92	12.92	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	2.461	2.461	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	2.847	2.847	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	2.847	2.847	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	8.183	8.183	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	8.183	8.183	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	8.183	8.183	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	8.183	8.183	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	8.183	8.183	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	8.183	8.183	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	8.183	8.183	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	8.183	8.183	0	%100
48	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	MP5C	X	8.183	8.183	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	8.183	8.183	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	8.183	8.183	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	8.183	8.183	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	8.183	8.183	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	8.183	8.183	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	7.429	7.429	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	7.429	7.429	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	9.042	9.042	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	9.042	9.042	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	16.94	16.94	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	9.766	9.766	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	9.766	9.766	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.394	6.394	0	%100
2	M1	Z	3.692	3.692	0	%100
3	M2	X	7.397	7.397	0	%100
4	M2	Z	4.271	4.271	0	%100
5	M5	X	9.511	9.511	0	%100
6	M5	Z	5.491	5.491	0	%100
7	M6	X	9.511	9.511	0	%100
8	M6	Z	5.491	5.491	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	3.73	3.73	0	%100
12	M6A	Z	2.153	2.153	0	%100
13	FACE	X	3.73	3.73	0	%100
14	FACE	Z	2.153	2.153	0	%100
15	MP1A	X	7.086	7.086	0	%100
16	MP1A	Z	4.091	4.091	0	%100
17	M23A	X	3.73	3.73	0	%100
18	M23A	Z	2.153	2.153	0	%100
19	M24	X	3.73	3.73	0	%100
20	M24	Z	2.153	2.153	0	%100
21	M38	X	6.394	6.394	0	%100
22	M38	Z	3.692	3.692	0	%100
23	M39A	X	14.919	14.919	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,%]
24	M39A	Z	8.613	8.613	0	%100
25	M40	X	14.919	14.919	0	%100
26	M40	Z	8.613	8.613	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	7.397	7.397	0	%100
30	M55	Z	4.271	4.271	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	7.086	7.086	0	%100
34	MP2A	Z	4.091	4.091	0	%100
35	MP3A	X	7.086	7.086	0	%100
36	MP3A	Z	4.091	4.091	0	%100
37	MP4A	X	7.086	7.086	0	%100
38	MP4A	Z	4.091	4.091	0	%100
39	MP5A	X	7.086	7.086	0	%100
40	MP5A	Z	4.091	4.091	0	%100
41	MP1C	X	7.086	7.086	0	%100
42	MP1C	Z	4.091	4.091	0	%100
43	MP2C	X	7.086	7.086	0	%100
44	MP2C	Z	4.091	4.091	0	%100
45	MP3C	X	7.086	7.086	0	%100
46	MP3C	Z	4.091	4.091	0	%100
47	MP4C	X	7.086	7.086	0	%100
48	MP4C	Z	4.091	4.091	0	%100
49	MP5C	X	7.086	7.086	0	%100
50	MP5C	Z	4.091	4.091	0	%100
51	MP1B	X	7.086	7.086	0	%100
52	MP1B	Z	4.091	4.091	0	%100
53	MP2B	X	7.086	7.086	0	%100
54	MP2B	Z	4.091	4.091	0	%100
55	MP3B	X	7.086	7.086	0	%100
56	MP3B	Z	4.091	4.091	0	%100
57	MP4B	X	7.086	7.086	0	%100
58	MP4B	Z	4.091	4.091	0	%100
59	MP5B	X	7.086	7.086	0	%100
60	MP5B	Z	4.091	4.091	0	%100
61	M56A	X	2.145	2.145	0	%100
62	M56A	Z	1.238	1.238	0	%100
63	M71	X	2.145	2.145	0	%100
64	M71	Z	1.238	1.238	0	%100
65	M87	X	8.578	8.578	0	%100
66	M87	Z	4.953	4.953	0	%100
67	M74	X	2.61	2.61	0	%100
68	M74	Z	1.507	1.507	0	%100
69	M81	X	10.44	10.44	0	%100
70	M81	Z	6.028	6.028	0	%100
71	M88	X	2.61	2.61	0	%100
72	M88	Z	1.507	1.507	0	%100
73	M73A	X	12.599	12.599	0	%100
74	M73A	Z	7.274	7.274	0	%100
75	M74A	X	12.599	12.599	0	%100
76	M74A	Z	7.274	7.274	0	%100
77	M75	X	6.387	6.387	0	%100
78	M75	Z	3.687	3.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.231	1.231	0	%100
2	M1	Z	2.131	2.131	0	%100
3	M2	X	1.424	1.424	0	%100
4	M2	Z	2.466	2.466	0	%100
5	M5	X	1.83	1.83	0	%100
6	M5	Z	3.17	3.17	0	%100
7	M6	X	7.321	7.321	0	%100
8	M6	Z	12.681	12.681	0	%100
9	M7	X	1.83	1.83	0	%100
10	M7	Z	3.17	3.17	0	%100
11	M6A	X	6.46	6.46	0	%100
12	M6A	Z	11.189	11.189	0	%100
13	FACE	X	6.46	6.46	0	%100
14	FACE	Z	11.189	11.189	0	%100
15	MP1A	X	4.091	4.091	0	%100
16	MP1A	Z	7.086	7.086	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	4.922	4.922	0	%100
22	M38	Z	8.526	8.526	0	%100
23	M39A	X	6.46	6.46	0	%100
24	M39A	Z	11.189	11.189	0	%100
25	M40	X	6.46	6.46	0	%100
26	M40	Z	11.189	11.189	0	%100
27	M54	X	1.231	1.231	0	%100
28	M54	Z	2.131	2.131	0	%100
29	M55	X	5.694	5.694	0	%100
30	M55	Z	9.863	9.863	0	%100
31	M56	X	1.424	1.424	0	%100
32	M56	Z	2.466	2.466	0	%100
33	MP2A	X	4.091	4.091	0	%100
34	MP2A	Z	7.086	7.086	0	%100
35	MP3A	X	4.091	4.091	0	%100
36	MP3A	Z	7.086	7.086	0	%100
37	MP4A	X	4.091	4.091	0	%100
38	MP4A	Z	7.086	7.086	0	%100
39	MP5A	X	4.091	4.091	0	%100
40	MP5A	Z	7.086	7.086	0	%100
41	MP1C	X	4.091	4.091	0	%100
42	MP1C	Z	7.086	7.086	0	%100
43	MP2C	X	4.091	4.091	0	%100
44	MP2C	Z	7.086	7.086	0	%100
45	MP3C	X	4.091	4.091	0	%100
46	MP3C	Z	7.086	7.086	0	%100
47	MP4C	X	4.091	4.091	0	%100
48	MP4C	Z	7.086	7.086	0	%100
49	MP5C	X	4.091	4.091	0	%100
50	MP5C	Z	7.086	7.086	0	%100
51	MP1B	X	4.091	4.091	0	%100
52	MP1B	Z	7.086	7.086	0	%100
53	MP2B	X	4.091	4.091	0	%100
54	MP2B	Z	7.086	7.086	0	%100
55	MP3B	X	4.091	4.091	0	%100
56	MP3B	Z	7.086	7.086	0	%100
57	MP4B	X	4.091	4.091	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,%]
58	MP4B	Z	7.086	7.086	0	%100
59	MP5B	X	4.091	4.091	0	%100
60	MP5B	Z	7.086	7.086	0	%100
61	M56A	X	3.715	3.715	0	%100
62	M56A	Z	6.434	6.434	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	3.715	3.715	0	%100
66	M87	Z	6.434	6.434	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	4.521	4.521	0	%100
70	M81	Z	7.83	7.83	0	%100
71	M88	X	4.521	4.521	0	%100
72	M88	Z	7.83	7.83	0	%100
73	M73A	X	4.883	4.883	0	%100
74	M73A	Z	8.458	8.458	0	%100
75	M74A	X	8.47	8.47	0	%100
76	M74A	Z	14.67	14.67	0	%100
77	M75	X	4.883	4.883	0	%100
78	M75	Z	8.458	8.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	10.982	10.982	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	10.982	10.982	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	17.227	17.227	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	17.227	17.227	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	8.183	8.183	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	4.307	4.307	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	4.307	4.307	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	7.384	7.384	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	4.307	4.307	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	4.307	4.307	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	7.384	7.384	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	8.542	8.542	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	8.542	8.542	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,%]
33	MP2A	X	0	0	0	%100
34	MP2A	Z	8.183	8.183	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	8.183	8.183	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	8.183	8.183	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	8.183	8.183	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	8.183	8.183	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	8.183	8.183	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	8.183	8.183	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	8.183	8.183	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	8.183	8.183	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	8.183	8.183	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	8.183	8.183	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	8.183	8.183	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	8.183	8.183	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	8.183	8.183	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	9.905	9.905	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	2.476	2.476	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	2.476	2.476	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	3.014	3.014	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	3.014	3.014	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	12.056	12.056	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	7.375	7.375	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	14.548	14.548	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	14.548	14.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.231	-1.231	0	%100
2	M1	Z	2.131	2.131	0	%100
3	M2	X	-1.424	-1.424	0	%100
4	M2	Z	2.466	2.466	0	%100
5	M5	X	-1.83	-1.83	0	%100
6	M5	Z	3.17	3.17	0	%100
7	M6	X	-1.83	-1.83	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,%]
8	M6	Z	3.17	3.17	0	%100
9	M7	X	-7.321	-7.321	0	%100
10	M7	Z	12.681	12.681	0	%100
11	M6A	X	-6.46	-6.46	0	%100
12	M6A	Z	11.189	11.189	0	%100
13	FACE	X	-6.46	-6.46	0	%100
14	FACE	Z	11.189	11.189	0	%100
15	MP1A	X	-4.091	-4.091	0	%100
16	MP1A	Z	7.086	7.086	0	%100
17	M23A	X	-6.46	-6.46	0	%100
18	M23A	Z	11.189	11.189	0	%100
19	M24	X	-6.46	-6.46	0	%100
20	M24	Z	11.189	11.189	0	%100
21	M38	X	-1.231	-1.231	0	%100
22	M38	Z	2.131	2.131	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-4.922	-4.922	0	%100
28	M54	Z	8.526	8.526	0	%100
29	M55	X	-1.424	-1.424	0	%100
30	M55	Z	2.466	2.466	0	%100
31	M56	X	-5.694	-5.694	0	%100
32	M56	Z	9.863	9.863	0	%100
33	MP2A	X	-4.091	-4.091	0	%100
34	MP2A	Z	7.086	7.086	0	%100
35	MP3A	X	-4.091	-4.091	0	%100
36	MP3A	Z	7.086	7.086	0	%100
37	MP4A	X	-4.091	-4.091	0	%100
38	MP4A	Z	7.086	7.086	0	%100
39	MP5A	X	-4.091	-4.091	0	%100
40	MP5A	Z	7.086	7.086	0	%100
41	MP1C	X	-4.091	-4.091	0	%100
42	MP1C	Z	7.086	7.086	0	%100
43	MP2C	X	-4.091	-4.091	0	%100
44	MP2C	Z	7.086	7.086	0	%100
45	MP3C	X	-4.091	-4.091	0	%100
46	MP3C	Z	7.086	7.086	0	%100
47	MP4C	X	-4.091	-4.091	0	%100
48	MP4C	Z	7.086	7.086	0	%100
49	MP5C	X	-4.091	-4.091	0	%100
50	MP5C	Z	7.086	7.086	0	%100
51	MP1B	X	-4.091	-4.091	0	%100
52	MP1B	Z	7.086	7.086	0	%100
53	MP2B	X	-4.091	-4.091	0	%100
54	MP2B	Z	7.086	7.086	0	%100
55	MP3B	X	-4.091	-4.091	0	%100
56	MP3B	Z	7.086	7.086	0	%100
57	MP4B	X	-4.091	-4.091	0	%100
58	MP4B	Z	7.086	7.086	0	%100
59	MP5B	X	-4.091	-4.091	0	%100
60	MP5B	Z	7.086	7.086	0	%100
61	M56A	X	-3.715	-3.715	0	%100
62	M56A	Z	6.434	6.434	0	%100
63	M71	X	-3.715	-3.715	0	%100
64	M71	Z	6.434	6.434	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,%]
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-4.521	-4.521	0	%100
68	M74	Z	7.83	7.83	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-4.521	-4.521	0	%100
72	M88	Z	7.83	7.83	0	%100
73	M73A	X	-4.883	-4.883	0	%100
74	M73A	Z	8.458	8.458	0	%100
75	M74A	X	-4.883	-4.883	0	%100
76	M74A	Z	8.458	8.458	0	%100
77	M75	X	-8.47	-8.47	0	%100
78	M75	Z	14.67	14.67	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.394	-6.394	0	%100
2	M1	Z	3.692	3.692	0	%100
3	M2	X	-7.397	-7.397	0	%100
4	M2	Z	4.271	4.271	0	%100
5	M5	X	-9.511	-9.511	0	%100
6	M5	Z	5.491	5.491	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-9.511	-9.511	0	%100
10	M7	Z	5.491	5.491	0	%100
11	M6A	X	-3.73	-3.73	0	%100
12	M6A	Z	2.153	2.153	0	%100
13	FACE	X	-3.73	-3.73	0	%100
14	FACE	Z	2.153	2.153	0	%100
15	MP1A	X	-7.086	-7.086	0	%100
16	MP1A	Z	4.091	4.091	0	%100
17	M23A	X	-14.919	-14.919	0	%100
18	M23A	Z	8.613	8.613	0	%100
19	M24	X	-14.919	-14.919	0	%100
20	M24	Z	8.613	8.613	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-3.73	-3.73	0	%100
24	M39A	Z	2.153	2.153	0	%100
25	M40	X	-3.73	-3.73	0	%100
26	M40	Z	2.153	2.153	0	%100
27	M54	X	-6.394	-6.394	0	%100
28	M54	Z	3.692	3.692	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-7.397	-7.397	0	%100
32	M56	Z	4.271	4.271	0	%100
33	MP2A	X	-7.086	-7.086	0	%100
34	MP2A	Z	4.091	4.091	0	%100
35	MP3A	X	-7.086	-7.086	0	%100
36	MP3A	Z	4.091	4.091	0	%100
37	MP4A	X	-7.086	-7.086	0	%100
38	MP4A	Z	4.091	4.091	0	%100
39	MP5A	X	-7.086	-7.086	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,%]
40	MP5A	Z	4.091	4.091	0	%100
41	MP1C	X	-7.086	-7.086	0	%100
42	MP1C	Z	4.091	4.091	0	%100
43	MP2C	X	-7.086	-7.086	0	%100
44	MP2C	Z	4.091	4.091	0	%100
45	MP3C	X	-7.086	-7.086	0	%100
46	MP3C	Z	4.091	4.091	0	%100
47	MP4C	X	-7.086	-7.086	0	%100
48	MP4C	Z	4.091	4.091	0	%100
49	MP5C	X	-7.086	-7.086	0	%100
50	MP5C	Z	4.091	4.091	0	%100
51	MP1B	X	-7.086	-7.086	0	%100
52	MP1B	Z	4.091	4.091	0	%100
53	MP2B	X	-7.086	-7.086	0	%100
54	MP2B	Z	4.091	4.091	0	%100
55	MP3B	X	-7.086	-7.086	0	%100
56	MP3B	Z	4.091	4.091	0	%100
57	MP4B	X	-7.086	-7.086	0	%100
58	MP4B	Z	4.091	4.091	0	%100
59	MP5B	X	-7.086	-7.086	0	%100
60	MP5B	Z	4.091	4.091	0	%100
61	M56A	X	-2.145	-2.145	0	%100
62	M56A	Z	1.238	1.238	0	%100
63	M71	X	-8.578	-8.578	0	%100
64	M71	Z	4.953	4.953	0	%100
65	M87	X	-2.145	-2.145	0	%100
66	M87	Z	1.238	1.238	0	%100
67	M74	X	-10.44	-10.44	0	%100
68	M74	Z	6.028	6.028	0	%100
69	M81	X	-2.61	-2.61	0	%100
70	M81	Z	1.507	1.507	0	%100
71	M88	X	-2.61	-2.61	0	%100
72	M88	Z	1.507	1.507	0	%100
73	M73A	X	-12.599	-12.599	0	%100
74	M73A	Z	7.274	7.274	0	%100
75	M74A	X	-6.387	-6.387	0	%100
76	M74A	Z	3.687	3.687	0	%100
77	M75	X	-12.599	-12.599	0	%100
78	M75	Z	7.274	7.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-9.845	-9.845	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-11.389	-11.389	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-14.643	-14.643	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-3.661	-3.661	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-3.661	-3.661	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	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,%]
15	MP1A	X	-8.183	-8.183	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-12.92	-12.92	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-12.92	-12.92	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-2.461	-2.461	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-12.92	-12.92	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-12.92	-12.92	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-2.461	-2.461	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-2.847	-2.847	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-2.847	-2.847	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-8.183	-8.183	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-8.183	-8.183	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-8.183	-8.183	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-8.183	-8.183	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-8.183	-8.183	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-8.183	-8.183	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-8.183	-8.183	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-8.183	-8.183	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-8.183	-8.183	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-8.183	-8.183	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-8.183	-8.183	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-8.183	-8.183	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-8.183	-8.183	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-8.183	-8.183	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-7.429	-7.429	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-7.429	-7.429	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-9.042	-9.042	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-9.042	-9.042	0	%100
70	M81	Z	0	0	0	%100
71	M88	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,%]
72	M88	Z	0	0	0	%100
73	M73A	X	-16.94	-16.94	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-9.766	-9.766	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-9.766	-9.766	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.394	-6.394	0	%100
2	M1	Z	-3.692	-3.692	0	%100
3	M2	X	-7.397	-7.397	0	%100
4	M2	Z	-4.271	-4.271	0	%100
5	M5	X	-9.511	-9.511	0	%100
6	M5	Z	-5.491	-5.491	0	%100
7	M6	X	-9.511	-9.511	0	%100
8	M6	Z	-5.491	-5.491	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-3.73	-3.73	0	%100
12	M6A	Z	-2.153	-2.153	0	%100
13	FACE	X	-3.73	-3.73	0	%100
14	FACE	Z	-2.153	-2.153	0	%100
15	MP1A	X	-7.086	-7.086	0	%100
16	MP1A	Z	-4.091	-4.091	0	%100
17	M23A	X	-3.73	-3.73	0	%100
18	M23A	Z	-2.153	-2.153	0	%100
19	M24	X	-3.73	-3.73	0	%100
20	M24	Z	-2.153	-2.153	0	%100
21	M38	X	-6.394	-6.394	0	%100
22	M38	Z	-3.692	-3.692	0	%100
23	M39A	X	-14.919	-14.919	0	%100
24	M39A	Z	-8.613	-8.613	0	%100
25	M40	X	-14.919	-14.919	0	%100
26	M40	Z	-8.613	-8.613	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-7.397	-7.397	0	%100
30	M55	Z	-4.271	-4.271	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-7.086	-7.086	0	%100
34	MP2A	Z	-4.091	-4.091	0	%100
35	MP3A	X	-7.086	-7.086	0	%100
36	MP3A	Z	-4.091	-4.091	0	%100
37	MP4A	X	-7.086	-7.086	0	%100
38	MP4A	Z	-4.091	-4.091	0	%100
39	MP5A	X	-7.086	-7.086	0	%100
40	MP5A	Z	-4.091	-4.091	0	%100
41	MP1C	X	-7.086	-7.086	0	%100
42	MP1C	Z	-4.091	-4.091	0	%100
43	MP2C	X	-7.086	-7.086	0	%100
44	MP2C	Z	-4.091	-4.091	0	%100
45	MP3C	X	-7.086	-7.086	0	%100
46	MP3C	Z	-4.091	-4.091	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,%]
47	MP4C	X	-7.086	-7.086	0	%100
48	MP4C	Z	-4.091	-4.091	0	%100
49	MP5C	X	-7.086	-7.086	0	%100
50	MP5C	Z	-4.091	-4.091	0	%100
51	MP1B	X	-7.086	-7.086	0	%100
52	MP1B	Z	-4.091	-4.091	0	%100
53	MP2B	X	-7.086	-7.086	0	%100
54	MP2B	Z	-4.091	-4.091	0	%100
55	MP3B	X	-7.086	-7.086	0	%100
56	MP3B	Z	-4.091	-4.091	0	%100
57	MP4B	X	-7.086	-7.086	0	%100
58	MP4B	Z	-4.091	-4.091	0	%100
59	MP5B	X	-7.086	-7.086	0	%100
60	MP5B	Z	-4.091	-4.091	0	%100
61	M56A	X	-2.145	-2.145	0	%100
62	M56A	Z	-1.238	-1.238	0	%100
63	M71	X	-2.145	-2.145	0	%100
64	M71	Z	-1.238	-1.238	0	%100
65	M87	X	-8.578	-8.578	0	%100
66	M87	Z	-4.953	-4.953	0	%100
67	M74	X	-2.61	-2.61	0	%100
68	M74	Z	-1.507	-1.507	0	%100
69	M81	X	-10.44	-10.44	0	%100
70	M81	Z	-6.028	-6.028	0	%100
71	M88	X	-2.61	-2.61	0	%100
72	M88	Z	-1.507	-1.507	0	%100
73	M73A	X	-12.599	-12.599	0	%100
74	M73A	Z	-7.274	-7.274	0	%100
75	M74A	X	-12.599	-12.599	0	%100
76	M74A	Z	-7.274	-7.274	0	%100
77	M75	X	-6.387	-6.387	0	%100
78	M75	Z	-3.687	-3.687	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.231	-1.231	0	%100
2	M1	Z	-2.131	-2.131	0	%100
3	M2	X	-1.424	-1.424	0	%100
4	M2	Z	-2.466	-2.466	0	%100
5	M5	X	-1.83	-1.83	0	%100
6	M5	Z	-3.17	-3.17	0	%100
7	M6	X	-7.321	-7.321	0	%100
8	M6	Z	-12.681	-12.681	0	%100
9	M7	X	-1.83	-1.83	0	%100
10	M7	Z	-3.17	-3.17	0	%100
11	M6A	X	-6.46	-6.46	0	%100
12	M6A	Z	-11.189	-11.189	0	%100
13	FACE	X	-6.46	-6.46	0	%100
14	FACE	Z	-11.189	-11.189	0	%100
15	MP1A	X	-4.091	-4.091	0	%100
16	MP1A	Z	-7.086	-7.086	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-4.922	-4.922	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,%]
22	M38	Z	-8.526	-8.526	0	%100
23	M39A	X	-6.46	-6.46	0	%100
24	M39A	Z	-11.189	-11.189	0	%100
25	M40	X	-6.46	-6.46	0	%100
26	M40	Z	-11.189	-11.189	0	%100
27	M54	X	-1.231	-1.231	0	%100
28	M54	Z	-2.131	-2.131	0	%100
29	M55	X	-5.694	-5.694	0	%100
30	M55	Z	-9.863	-9.863	0	%100
31	M56	X	-1.424	-1.424	0	%100
32	M56	Z	-2.466	-2.466	0	%100
33	MP2A	X	-4.091	-4.091	0	%100
34	MP2A	Z	-7.086	-7.086	0	%100
35	MP3A	X	-4.091	-4.091	0	%100
36	MP3A	Z	-7.086	-7.086	0	%100
37	MP4A	X	-4.091	-4.091	0	%100
38	MP4A	Z	-7.086	-7.086	0	%100
39	MP5A	X	-4.091	-4.091	0	%100
40	MP5A	Z	-7.086	-7.086	0	%100
41	MP1C	X	-4.091	-4.091	0	%100
42	MP1C	Z	-7.086	-7.086	0	%100
43	MP2C	X	-4.091	-4.091	0	%100
44	MP2C	Z	-7.086	-7.086	0	%100
45	MP3C	X	-4.091	-4.091	0	%100
46	MP3C	Z	-7.086	-7.086	0	%100
47	MP4C	X	-4.091	-4.091	0	%100
48	MP4C	Z	-7.086	-7.086	0	%100
49	MP5C	X	-4.091	-4.091	0	%100
50	MP5C	Z	-7.086	-7.086	0	%100
51	MP1B	X	-4.091	-4.091	0	%100
52	MP1B	Z	-7.086	-7.086	0	%100
53	MP2B	X	-4.091	-4.091	0	%100
54	MP2B	Z	-7.086	-7.086	0	%100
55	MP3B	X	-4.091	-4.091	0	%100
56	MP3B	Z	-7.086	-7.086	0	%100
57	MP4B	X	-4.091	-4.091	0	%100
58	MP4B	Z	-7.086	-7.086	0	%100
59	MP5B	X	-4.091	-4.091	0	%100
60	MP5B	Z	-7.086	-7.086	0	%100
61	M56A	X	-3.715	-3.715	0	%100
62	M56A	Z	-6.434	-6.434	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-3.715	-3.715	0	%100
66	M87	Z	-6.434	-6.434	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-4.521	-4.521	0	%100
70	M81	Z	-7.83	-7.83	0	%100
71	M88	X	-4.521	-4.521	0	%100
72	M88	Z	-7.83	-7.83	0	%100
73	M73A	X	-4.883	-4.883	0	%100
74	M73A	Z	-8.458	-8.458	0	%100
75	M74A	X	-8.47	-8.47	0	%100
76	M74A	Z	-14.67	-14.67	0	%100
77	M75	X	-4.883	-4.883	0	%100
78	M75	Z	-8.458	-8.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-2.718	-2.718	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-2.718	-2.718	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-4.147	-4.147	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-4.147	-4.147	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-2.652	-2.652	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-1.037	-1.037	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-1.037	-1.037	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-1.844	-1.844	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-1.037	-1.037	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-1.037	-1.037	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-1.844	-1.844	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-2.125	-2.125	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-2.125	-2.125	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-2.652	-2.652	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-2.652	-2.652	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-2.652	-2.652	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-2.652	-2.652	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-2.652	-2.652	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-2.652	-2.652	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-2.652	-2.652	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-2.652	-2.652	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-2.652	-2.652	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-2.652	-2.652	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-2.652	-2.652	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-2.652	-2.652	0	%100
57	MP4B	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,%]
58	MP4B	Z	-2.652	-2.652	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-2.652	-2.652	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-2.937	-2.937	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.734	-.734	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-.734	-.734	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	-.728	-.728	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-.728	-.728	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-2.912	-2.912	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-1.544	-1.544	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-3.461	-3.461	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.461	-3.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.307	.307	0	%100
2	M1	Z	-.532	-.532	0	%100
3	M2	X	.354	.354	0	%100
4	M2	Z	-.613	-.613	0	%100
5	M5	X	.453	.453	0	%100
6	M5	Z	-.785	-.785	0	%100
7	M6	X	.453	.453	0	%100
8	M6	Z	-.785	-.785	0	%100
9	M7	X	1.812	1.812	0	%100
10	M7	Z	-3.139	-3.139	0	%100
11	M6A	X	1.555	1.555	0	%100
12	M6A	Z	-2.694	-2.694	0	%100
13	FACE	X	1.555	1.555	0	%100
14	FACE	Z	-2.694	-2.694	0	%100
15	MP1A	X	1.326	1.326	0	%100
16	MP1A	Z	-2.297	-2.297	0	%100
17	M23A	X	1.555	1.555	0	%100
18	M23A	Z	-2.694	-2.694	0	%100
19	M24	X	1.555	1.555	0	%100
20	M24	Z	-2.694	-2.694	0	%100
21	M38	X	.307	.307	0	%100
22	M38	Z	-.532	-.532	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	1.229	1.229	0	%100
28	M54	Z	-2.129	-2.129	0	%100
29	M55	X	.354	.354	0	%100
30	M55	Z	-.613	-.613	0	%100
31	M56	X	1.417	1.417	0	%100
32	M56	Z	-2.454	-2.454	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,%]
33	MP2A	X	1.326	1.326	0	%100
34	MP2A	Z	-2.297	-2.297	0	%100
35	MP3A	X	1.326	1.326	0	%100
36	MP3A	Z	-2.297	-2.297	0	%100
37	MP4A	X	1.326	1.326	0	%100
38	MP4A	Z	-2.297	-2.297	0	%100
39	MP5A	X	1.326	1.326	0	%100
40	MP5A	Z	-2.297	-2.297	0	%100
41	MP1C	X	1.326	1.326	0	%100
42	MP1C	Z	-2.297	-2.297	0	%100
43	MP2C	X	1.326	1.326	0	%100
44	MP2C	Z	-2.297	-2.297	0	%100
45	MP3C	X	1.326	1.326	0	%100
46	MP3C	Z	-2.297	-2.297	0	%100
47	MP4C	X	1.326	1.326	0	%100
48	MP4C	Z	-2.297	-2.297	0	%100
49	MP5C	X	1.326	1.326	0	%100
50	MP5C	Z	-2.297	-2.297	0	%100
51	MP1B	X	1.326	1.326	0	%100
52	MP1B	Z	-2.297	-2.297	0	%100
53	MP2B	X	1.326	1.326	0	%100
54	MP2B	Z	-2.297	-2.297	0	%100
55	MP3B	X	1.326	1.326	0	%100
56	MP3B	Z	-2.297	-2.297	0	%100
57	MP4B	X	1.326	1.326	0	%100
58	MP4B	Z	-2.297	-2.297	0	%100
59	MP5B	X	1.326	1.326	0	%100
60	MP5B	Z	-2.297	-2.297	0	%100
61	M56A	X	1.101	1.101	0	%100
62	M56A	Z	-1.908	-1.908	0	%100
63	M71	X	1.101	1.101	0	%100
64	M71	Z	-1.908	-1.908	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	1.092	1.092	0	%100
68	M74	Z	-1.891	-1.891	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	1.092	1.092	0	%100
72	M88	Z	-1.891	-1.891	0	%100
73	M73A	X	1.091	1.091	0	%100
74	M73A	Z	-1.89	-1.89	0	%100
75	M74A	X	1.091	1.091	0	%100
76	M74A	Z	-1.89	-1.89	0	%100
77	M75	X	2.05	2.05	0	%100
78	M75	Z	-3.55	-3.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.597	1.597	0	%100
2	M1	Z	-.922	-.922	0	%100
3	M2	X	1.84	1.84	0	%100
4	M2	Z	-1.062	-1.062	0	%100
5	M5	X	2.354	2.354	0	%100
6	M5	Z	-1.359	-1.359	0	%100
7	M6	X	0	0	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,%]
8	M6	Z	0	0	0	%100
9	M7	X	2.354	2.354	0	%100
10	M7	Z	-1.359	-1.359	0	%100
11	M6A	X	.898	.898	0	%100
12	M6A	Z	-.518	-.518	0	%100
13	FACE	X	.898	.898	0	%100
14	FACE	Z	-.518	-.518	0	%100
15	MP1A	X	2.297	2.297	0	%100
16	MP1A	Z	-1.326	-1.326	0	%100
17	M23A	X	3.591	3.591	0	%100
18	M23A	Z	-2.073	-2.073	0	%100
19	M24	X	3.591	3.591	0	%100
20	M24	Z	-2.073	-2.073	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.898	.898	0	%100
24	M39A	Z	-.518	-.518	0	%100
25	M40	X	.898	.898	0	%100
26	M40	Z	-.518	-.518	0	%100
27	M54	X	1.597	1.597	0	%100
28	M54	Z	-.922	-.922	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	1.84	1.84	0	%100
32	M56	Z	-1.062	-1.062	0	%100
33	MP2A	X	2.297	2.297	0	%100
34	MP2A	Z	-1.326	-1.326	0	%100
35	MP3A	X	2.297	2.297	0	%100
36	MP3A	Z	-1.326	-1.326	0	%100
37	MP4A	X	2.297	2.297	0	%100
38	MP4A	Z	-1.326	-1.326	0	%100
39	MP5A	X	2.297	2.297	0	%100
40	MP5A	Z	-1.326	-1.326	0	%100
41	MP1C	X	2.297	2.297	0	%100
42	MP1C	Z	-1.326	-1.326	0	%100
43	MP2C	X	2.297	2.297	0	%100
44	MP2C	Z	-1.326	-1.326	0	%100
45	MP3C	X	2.297	2.297	0	%100
46	MP3C	Z	-1.326	-1.326	0	%100
47	MP4C	X	2.297	2.297	0	%100
48	MP4C	Z	-1.326	-1.326	0	%100
49	MP5C	X	2.297	2.297	0	%100
50	MP5C	Z	-1.326	-1.326	0	%100
51	MP1B	X	2.297	2.297	0	%100
52	MP1B	Z	-1.326	-1.326	0	%100
53	MP2B	X	2.297	2.297	0	%100
54	MP2B	Z	-1.326	-1.326	0	%100
55	MP3B	X	2.297	2.297	0	%100
56	MP3B	Z	-1.326	-1.326	0	%100
57	MP4B	X	2.297	2.297	0	%100
58	MP4B	Z	-1.326	-1.326	0	%100
59	MP5B	X	2.297	2.297	0	%100
60	MP5B	Z	-1.326	-1.326	0	%100
61	M56A	X	.636	.636	0	%100
62	M56A	Z	-.367	-.367	0	%100
63	M71	X	2.544	2.544	0	%100
64	M71	Z	-1.469	-1.469	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,%]
65	M87	X	.636	.636	0	%100
66	M87	Z	-.367	-.367	0	%100
67	M74	X	2.522	2.522	0	%100
68	M74	Z	-1.456	-1.456	0	%100
69	M81	X	.63	.63	0	%100
70	M81	Z	-.364	-.364	0	%100
71	M88	X	.63	.63	0	%100
72	M88	Z	-.364	-.364	0	%100
73	M73A	X	2.997	2.997	0	%100
74	M73A	Z	-1.73	-1.73	0	%100
75	M74A	X	1.337	1.337	0	%100
76	M74A	Z	-.772	-.772	0	%100
77	M75	X	2.997	2.997	0	%100
78	M75	Z	-1.73	-1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.458	2.458	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.833	2.833	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	3.624	3.624	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.906	.906	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.906	.906	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	2.652	2.652	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	3.11	3.11	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	3.11	3.11	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.615	.615	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	3.11	3.11	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	3.11	3.11	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.615	.615	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.708	.708	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.708	.708	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	2.652	2.652	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	2.652	2.652	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	2.652	2.652	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	2.652	2.652	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,%]
40	MP5A	Z	0	0	0	%100
41	MP1C	X	2.652	2.652	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	2.652	2.652	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	2.652	2.652	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	2.652	2.652	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	2.652	2.652	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	2.652	2.652	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	2.652	2.652	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	2.652	2.652	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	2.652	2.652	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	2.652	2.652	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	2.203	2.203	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	2.203	2.203	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	2.184	2.184	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	2.184	2.184	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	4.1	4.1	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	2.183	2.183	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	2.183	2.183	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.597	1.597	0	%100
2	M1	Z	.922	.922	0	%100
3	M2	X	1.84	1.84	0	%100
4	M2	Z	1.062	1.062	0	%100
5	M5	X	2.354	2.354	0	%100
6	M5	Z	1.359	1.359	0	%100
7	M6	X	2.354	2.354	0	%100
8	M6	Z	1.359	1.359	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.898	.898	0	%100
12	M6A	Z	.518	.518	0	%100
13	FACE	X	.898	.898	0	%100
14	FACE	Z	.518	.518	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,%]
15	MP1A	X	2.297	2.297	0	%100
16	MP1A	Z	1.326	1.326	0	%100
17	M23A	X	.898	.898	0	%100
18	M23A	Z	.518	.518	0	%100
19	M24	X	.898	.898	0	%100
20	M24	Z	.518	.518	0	%100
21	M38	X	1.597	1.597	0	%100
22	M38	Z	.922	.922	0	%100
23	M39A	X	3.591	3.591	0	%100
24	M39A	Z	2.073	2.073	0	%100
25	M40	X	3.591	3.591	0	%100
26	M40	Z	2.073	2.073	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	1.84	1.84	0	%100
30	M55	Z	1.062	1.062	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	2.297	2.297	0	%100
34	MP2A	Z	1.326	1.326	0	%100
35	MP3A	X	2.297	2.297	0	%100
36	MP3A	Z	1.326	1.326	0	%100
37	MP4A	X	2.297	2.297	0	%100
38	MP4A	Z	1.326	1.326	0	%100
39	MP5A	X	2.297	2.297	0	%100
40	MP5A	Z	1.326	1.326	0	%100
41	MP1C	X	2.297	2.297	0	%100
42	MP1C	Z	1.326	1.326	0	%100
43	MP2C	X	2.297	2.297	0	%100
44	MP2C	Z	1.326	1.326	0	%100
45	MP3C	X	2.297	2.297	0	%100
46	MP3C	Z	1.326	1.326	0	%100
47	MP4C	X	2.297	2.297	0	%100
48	MP4C	Z	1.326	1.326	0	%100
49	MP5C	X	2.297	2.297	0	%100
50	MP5C	Z	1.326	1.326	0	%100
51	MP1B	X	2.297	2.297	0	%100
52	MP1B	Z	1.326	1.326	0	%100
53	MP2B	X	2.297	2.297	0	%100
54	MP2B	Z	1.326	1.326	0	%100
55	MP3B	X	2.297	2.297	0	%100
56	MP3B	Z	1.326	1.326	0	%100
57	MP4B	X	2.297	2.297	0	%100
58	MP4B	Z	1.326	1.326	0	%100
59	MP5B	X	2.297	2.297	0	%100
60	MP5B	Z	1.326	1.326	0	%100
61	M56A	X	.636	.636	0	%100
62	M56A	Z	.367	.367	0	%100
63	M71	X	.636	.636	0	%100
64	M71	Z	.367	.367	0	%100
65	M87	X	2.544	2.544	0	%100
66	M87	Z	1.469	1.469	0	%100
67	M74	X	.63	.63	0	%100
68	M74	Z	.364	.364	0	%100
69	M81	X	2.522	2.522	0	%100
70	M81	Z	1.456	1.456	0	%100
71	M88	X	.63	.63	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,%]
72	M88	Z	.364	.364	0	%100
73	M73A	X	2.997	2.997	0	%100
74	M73A	Z	1.73	1.73	0	%100
75	M74A	X	2.997	2.997	0	%100
76	M74A	Z	1.73	1.73	0	%100
77	M75	X	1.337	1.337	0	%100
78	M75	Z	.772	.772	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.307	.307	0	%100
2	M1	Z	.532	.532	0	%100
3	M2	X	.354	.354	0	%100
4	M2	Z	.613	.613	0	%100
5	M5	X	.453	.453	0	%100
6	M5	Z	.785	.785	0	%100
7	M6	X	1.812	1.812	0	%100
8	M6	Z	3.139	3.139	0	%100
9	M7	X	.453	.453	0	%100
10	M7	Z	.785	.785	0	%100
11	M6A	X	1.555	1.555	0	%100
12	M6A	Z	2.694	2.694	0	%100
13	FACE	X	1.555	1.555	0	%100
14	FACE	Z	2.694	2.694	0	%100
15	MP1A	X	1.326	1.326	0	%100
16	MP1A	Z	2.297	2.297	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	1.229	1.229	0	%100
22	M38	Z	2.129	2.129	0	%100
23	M39A	X	1.555	1.555	0	%100
24	M39A	Z	2.694	2.694	0	%100
25	M40	X	1.555	1.555	0	%100
26	M40	Z	2.694	2.694	0	%100
27	M54	X	.307	.307	0	%100
28	M54	Z	.532	.532	0	%100
29	M55	X	1.417	1.417	0	%100
30	M55	Z	2.454	2.454	0	%100
31	M56	X	.354	.354	0	%100
32	M56	Z	.613	.613	0	%100
33	MP2A	X	1.326	1.326	0	%100
34	MP2A	Z	2.297	2.297	0	%100
35	MP3A	X	1.326	1.326	0	%100
36	MP3A	Z	2.297	2.297	0	%100
37	MP4A	X	1.326	1.326	0	%100
38	MP4A	Z	2.297	2.297	0	%100
39	MP5A	X	1.326	1.326	0	%100
40	MP5A	Z	2.297	2.297	0	%100
41	MP1C	X	1.326	1.326	0	%100
42	MP1C	Z	2.297	2.297	0	%100
43	MP2C	X	1.326	1.326	0	%100
44	MP2C	Z	2.297	2.297	0	%100
45	MP3C	X	1.326	1.326	0	%100
46	MP3C	Z	2.297	2.297	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,%]
47	MP4C	X	1.326	1.326	0	%100
48	MP4C	Z	2.297	2.297	0	%100
49	MP5C	X	1.326	1.326	0	%100
50	MP5C	Z	2.297	2.297	0	%100
51	MP1B	X	1.326	1.326	0	%100
52	MP1B	Z	2.297	2.297	0	%100
53	MP2B	X	1.326	1.326	0	%100
54	MP2B	Z	2.297	2.297	0	%100
55	MP3B	X	1.326	1.326	0	%100
56	MP3B	Z	2.297	2.297	0	%100
57	MP4B	X	1.326	1.326	0	%100
58	MP4B	Z	2.297	2.297	0	%100
59	MP5B	X	1.326	1.326	0	%100
60	MP5B	Z	2.297	2.297	0	%100
61	M56A	X	1.101	1.101	0	%100
62	M56A	Z	1.908	1.908	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	1.101	1.101	0	%100
66	M87	Z	1.908	1.908	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	1.092	1.092	0	%100
70	M81	Z	1.891	1.891	0	%100
71	M88	X	1.092	1.092	0	%100
72	M88	Z	1.891	1.891	0	%100
73	M73A	X	1.091	1.091	0	%100
74	M73A	Z	1.89	1.89	0	%100
75	M74A	X	2.05	2.05	0	%100
76	M74A	Z	3.55	3.55	0	%100
77	M75	X	1.091	1.091	0	%100
78	M75	Z	1.89	1.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	2.718	2.718	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	2.718	2.718	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	4.147	4.147	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	4.147	4.147	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	2.652	2.652	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	1.037	1.037	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	1.037	1.037	0	%100
21	M38	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,%]
22	M38	Z	1.844	1.844	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	1.037	1.037	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	1.037	1.037	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	1.844	1.844	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	2.125	2.125	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	2.125	2.125	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	2.652	2.652	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	2.652	2.652	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	2.652	2.652	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	2.652	2.652	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	2.652	2.652	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	2.652	2.652	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	2.652	2.652	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	2.652	2.652	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	2.652	2.652	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	2.652	2.652	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	2.652	2.652	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	2.652	2.652	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	2.652	2.652	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	2.652	2.652	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	2.937	2.937	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.734	.734	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	.734	.734	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	.728	.728	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	.728	.728	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	2.912	2.912	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	1.544	1.544	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	3.461	3.461	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.461	3.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	.532	.532	0	%100
3	M2	X	-.354	-.354	0	%100
4	M2	Z	.613	.613	0	%100
5	M5	X	-.453	-.453	0	%100
6	M5	Z	.785	.785	0	%100
7	M6	X	-.453	-.453	0	%100
8	M6	Z	.785	.785	0	%100
9	M7	X	-1.812	-1.812	0	%100
10	M7	Z	3.139	3.139	0	%100
11	M6A	X	-1.555	-1.555	0	%100
12	M6A	Z	2.694	2.694	0	%100
13	FACE	X	-1.555	-1.555	0	%100
14	FACE	Z	2.694	2.694	0	%100
15	MP1A	X	-1.326	-1.326	0	%100
16	MP1A	Z	2.297	2.297	0	%100
17	M23A	X	-1.555	-1.555	0	%100
18	M23A	Z	2.694	2.694	0	%100
19	M24	X	-1.555	-1.555	0	%100
20	M24	Z	2.694	2.694	0	%100
21	M38	X	-.307	-.307	0	%100
22	M38	Z	.532	.532	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-1.229	-1.229	0	%100
28	M54	Z	2.129	2.129	0	%100
29	M55	X	-.354	-.354	0	%100
30	M55	Z	.613	.613	0	%100
31	M56	X	-1.417	-1.417	0	%100
32	M56	Z	2.454	2.454	0	%100
33	MP2A	X	-1.326	-1.326	0	%100
34	MP2A	Z	2.297	2.297	0	%100
35	MP3A	X	-1.326	-1.326	0	%100
36	MP3A	Z	2.297	2.297	0	%100
37	MP4A	X	-1.326	-1.326	0	%100
38	MP4A	Z	2.297	2.297	0	%100
39	MP5A	X	-1.326	-1.326	0	%100
40	MP5A	Z	2.297	2.297	0	%100
41	MP1C	X	-1.326	-1.326	0	%100
42	MP1C	Z	2.297	2.297	0	%100
43	MP2C	X	-1.326	-1.326	0	%100
44	MP2C	Z	2.297	2.297	0	%100
45	MP3C	X	-1.326	-1.326	0	%100
46	MP3C	Z	2.297	2.297	0	%100
47	MP4C	X	-1.326	-1.326	0	%100
48	MP4C	Z	2.297	2.297	0	%100
49	MP5C	X	-1.326	-1.326	0	%100
50	MP5C	Z	2.297	2.297	0	%100
51	MP1B	X	-1.326	-1.326	0	%100
52	MP1B	Z	2.297	2.297	0	%100
53	MP2B	X	-1.326	-1.326	0	%100
54	MP2B	Z	2.297	2.297	0	%100
55	MP3B	X	-1.326	-1.326	0	%100
56	MP3B	Z	2.297	2.297	0	%100
57	MP4B	X	-1.326	-1.326	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,%]
58	MP4B	Z	2.297	2.297	0	%100
59	MP5B	X	-1.326	-1.326	0	%100
60	MP5B	Z	2.297	2.297	0	%100
61	M56A	X	-1.101	-1.101	0	%100
62	M56A	Z	1.908	1.908	0	%100
63	M71	X	-1.101	-1.101	0	%100
64	M71	Z	1.908	1.908	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-1.092	-1.092	0	%100
68	M74	Z	1.891	1.891	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-1.092	-1.092	0	%100
72	M88	Z	1.891	1.891	0	%100
73	M73A	X	-1.091	-1.091	0	%100
74	M73A	Z	1.89	1.89	0	%100
75	M74A	X	-1.091	-1.091	0	%100
76	M74A	Z	1.89	1.89	0	%100
77	M75	X	-2.05	-2.05	0	%100
78	M75	Z	3.55	3.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.597	-1.597	0	%100
2	M1	Z	.922	.922	0	%100
3	M2	X	-1.84	-1.84	0	%100
4	M2	Z	1.062	1.062	0	%100
5	M5	X	-2.354	-2.354	0	%100
6	M5	Z	1.359	1.359	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-2.354	-2.354	0	%100
10	M7	Z	1.359	1.359	0	%100
11	M6A	X	-.898	-.898	0	%100
12	M6A	Z	.518	.518	0	%100
13	FACE	X	-.898	-.898	0	%100
14	FACE	Z	.518	.518	0	%100
15	MP1A	X	-2.297	-2.297	0	%100
16	MP1A	Z	1.326	1.326	0	%100
17	M23A	X	-3.591	-3.591	0	%100
18	M23A	Z	2.073	2.073	0	%100
19	M24	X	-3.591	-3.591	0	%100
20	M24	Z	2.073	2.073	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-.898	-.898	0	%100
24	M39A	Z	.518	.518	0	%100
25	M40	X	-.898	-.898	0	%100
26	M40	Z	.518	.518	0	%100
27	M54	X	-1.597	-1.597	0	%100
28	M54	Z	.922	.922	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-1.84	-1.84	0	%100
32	M56	Z	1.062	1.062	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,%]
33	MP2A	X	-2.297	-2.297	0	%100
34	MP2A	Z	1.326	1.326	0	%100
35	MP3A	X	-2.297	-2.297	0	%100
36	MP3A	Z	1.326	1.326	0	%100
37	MP4A	X	-2.297	-2.297	0	%100
38	MP4A	Z	1.326	1.326	0	%100
39	MP5A	X	-2.297	-2.297	0	%100
40	MP5A	Z	1.326	1.326	0	%100
41	MP1C	X	-2.297	-2.297	0	%100
42	MP1C	Z	1.326	1.326	0	%100
43	MP2C	X	-2.297	-2.297	0	%100
44	MP2C	Z	1.326	1.326	0	%100
45	MP3C	X	-2.297	-2.297	0	%100
46	MP3C	Z	1.326	1.326	0	%100
47	MP4C	X	-2.297	-2.297	0	%100
48	MP4C	Z	1.326	1.326	0	%100
49	MP5C	X	-2.297	-2.297	0	%100
50	MP5C	Z	1.326	1.326	0	%100
51	MP1B	X	-2.297	-2.297	0	%100
52	MP1B	Z	1.326	1.326	0	%100
53	MP2B	X	-2.297	-2.297	0	%100
54	MP2B	Z	1.326	1.326	0	%100
55	MP3B	X	-2.297	-2.297	0	%100
56	MP3B	Z	1.326	1.326	0	%100
57	MP4B	X	-2.297	-2.297	0	%100
58	MP4B	Z	1.326	1.326	0	%100
59	MP5B	X	-2.297	-2.297	0	%100
60	MP5B	Z	1.326	1.326	0	%100
61	M56A	X	-.636	-.636	0	%100
62	M56A	Z	.367	.367	0	%100
63	M71	X	-2.544	-2.544	0	%100
64	M71	Z	1.469	1.469	0	%100
65	M87	X	-.636	-.636	0	%100
66	M87	Z	.367	.367	0	%100
67	M74	X	-2.522	-2.522	0	%100
68	M74	Z	1.456	1.456	0	%100
69	M81	X	-.63	-.63	0	%100
70	M81	Z	.364	.364	0	%100
71	M88	X	-.63	-.63	0	%100
72	M88	Z	.364	.364	0	%100
73	M73A	X	-2.997	-2.997	0	%100
74	M73A	Z	1.73	1.73	0	%100
75	M74A	X	-1.337	-1.337	0	%100
76	M74A	Z	.772	.772	0	%100
77	M75	X	-2.997	-2.997	0	%100
78	M75	Z	1.73	1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.458	-2.458	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.833	-2.833	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-3.624	-3.624	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.906	-.906	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,%]
8	M6	Z	0	0	0	%100
9	M7	X	-.906	-.906	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	-2.652	-2.652	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-3.11	-3.11	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-3.11	-3.11	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.615	-.615	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-3.11	-3.11	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-3.11	-3.11	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.615	-.615	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.708	-.708	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.708	-.708	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-2.652	-2.652	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-2.652	-2.652	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-2.652	-2.652	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-2.652	-2.652	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-2.652	-2.652	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-2.652	-2.652	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-2.652	-2.652	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-2.652	-2.652	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-2.652	-2.652	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-2.652	-2.652	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-2.652	-2.652	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-2.652	-2.652	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-2.652	-2.652	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-2.652	-2.652	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-2.203	-2.203	0	%100
64	M71	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,%]
65	M87	X	-2.203	-2.203	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-2.184	-2.184	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-2.184	-2.184	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	-4.1	-4.1	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-2.183	-2.183	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-2.183	-2.183	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.597	-1.597	0	%100
2	M1	Z	-.922	-.922	0	%100
3	M2	X	-1.84	-1.84	0	%100
4	M2	Z	-1.062	-1.062	0	%100
5	M5	X	-2.354	-2.354	0	%100
6	M5	Z	-1.359	-1.359	0	%100
7	M6	X	-2.354	-2.354	0	%100
8	M6	Z	-1.359	-1.359	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.898	-.898	0	%100
12	M6A	Z	-.518	-.518	0	%100
13	FACE	X	-.898	-.898	0	%100
14	FACE	Z	-.518	-.518	0	%100
15	MP1A	X	-2.297	-2.297	0	%100
16	MP1A	Z	-1.326	-1.326	0	%100
17	M23A	X	-.898	-.898	0	%100
18	M23A	Z	-.518	-.518	0	%100
19	M24	X	-.898	-.898	0	%100
20	M24	Z	-.518	-.518	0	%100
21	M38	X	-1.597	-1.597	0	%100
22	M38	Z	-.922	-.922	0	%100
23	M39A	X	-3.591	-3.591	0	%100
24	M39A	Z	-2.073	-2.073	0	%100
25	M40	X	-3.591	-3.591	0	%100
26	M40	Z	-2.073	-2.073	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-1.84	-1.84	0	%100
30	M55	Z	-1.062	-1.062	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-2.297	-2.297	0	%100
34	MP2A	Z	-1.326	-1.326	0	%100
35	MP3A	X	-2.297	-2.297	0	%100
36	MP3A	Z	-1.326	-1.326	0	%100
37	MP4A	X	-2.297	-2.297	0	%100
38	MP4A	Z	-1.326	-1.326	0	%100
39	MP5A	X	-2.297	-2.297	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,%]
40	MP5A	Z	-1.326	-1.326	0	%100
41	MP1C	X	-2.297	-2.297	0	%100
42	MP1C	Z	-1.326	-1.326	0	%100
43	MP2C	X	-2.297	-2.297	0	%100
44	MP2C	Z	-1.326	-1.326	0	%100
45	MP3C	X	-2.297	-2.297	0	%100
46	MP3C	Z	-1.326	-1.326	0	%100
47	MP4C	X	-2.297	-2.297	0	%100
48	MP4C	Z	-1.326	-1.326	0	%100
49	MP5C	X	-2.297	-2.297	0	%100
50	MP5C	Z	-1.326	-1.326	0	%100
51	MP1B	X	-2.297	-2.297	0	%100
52	MP1B	Z	-1.326	-1.326	0	%100
53	MP2B	X	-2.297	-2.297	0	%100
54	MP2B	Z	-1.326	-1.326	0	%100
55	MP3B	X	-2.297	-2.297	0	%100
56	MP3B	Z	-1.326	-1.326	0	%100
57	MP4B	X	-2.297	-2.297	0	%100
58	MP4B	Z	-1.326	-1.326	0	%100
59	MP5B	X	-2.297	-2.297	0	%100
60	MP5B	Z	-1.326	-1.326	0	%100
61	M56A	X	-.636	-.636	0	%100
62	M56A	Z	-.367	-.367	0	%100
63	M71	X	-.636	-.636	0	%100
64	M71	Z	-.367	-.367	0	%100
65	M87	X	-2.544	-2.544	0	%100
66	M87	Z	-1.469	-1.469	0	%100
67	M74	X	-.63	-.63	0	%100
68	M74	Z	-.364	-.364	0	%100
69	M81	X	-2.522	-2.522	0	%100
70	M81	Z	-1.456	-1.456	0	%100
71	M88	X	-.63	-.63	0	%100
72	M88	Z	-.364	-.364	0	%100
73	M73A	X	-2.997	-2.997	0	%100
74	M73A	Z	-1.73	-1.73	0	%100
75	M74A	X	-2.997	-2.997	0	%100
76	M74A	Z	-1.73	-1.73	0	%100
77	M75	X	-1.337	-1.337	0	%100
78	M75	Z	-.772	-.772	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	-.532	-.532	0	%100
3	M2	X	-.354	-.354	0	%100
4	M2	Z	-.613	-.613	0	%100
5	M5	X	-.453	-.453	0	%100
6	M5	Z	-.785	-.785	0	%100
7	M6	X	-1.812	-1.812	0	%100
8	M6	Z	-3.139	-3.139	0	%100
9	M7	X	-.453	-.453	0	%100
10	M7	Z	-.785	-.785	0	%100
11	M6A	X	-1.555	-1.555	0	%100
12	M6A	Z	-2.694	-2.694	0	%100
13	FACE	X	-1.555	-1.555	0	%100
14	FACE	Z	-2.694	-2.694	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,%]
15	MP1A	X	-1.326	-1.326	0	%100
16	MP1A	Z	-2.297	-2.297	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-1.229	-1.229	0	%100
22	M38	Z	-2.129	-2.129	0	%100
23	M39A	X	-1.555	-1.555	0	%100
24	M39A	Z	-2.694	-2.694	0	%100
25	M40	X	-1.555	-1.555	0	%100
26	M40	Z	-2.694	-2.694	0	%100
27	M54	X	-.307	-.307	0	%100
28	M54	Z	-.532	-.532	0	%100
29	M55	X	-1.417	-1.417	0	%100
30	M55	Z	-2.454	-2.454	0	%100
31	M56	X	-.354	-.354	0	%100
32	M56	Z	-.613	-.613	0	%100
33	MP2A	X	-1.326	-1.326	0	%100
34	MP2A	Z	-2.297	-2.297	0	%100
35	MP3A	X	-1.326	-1.326	0	%100
36	MP3A	Z	-2.297	-2.297	0	%100
37	MP4A	X	-1.326	-1.326	0	%100
38	MP4A	Z	-2.297	-2.297	0	%100
39	MP5A	X	-1.326	-1.326	0	%100
40	MP5A	Z	-2.297	-2.297	0	%100
41	MP1C	X	-1.326	-1.326	0	%100
42	MP1C	Z	-2.297	-2.297	0	%100
43	MP2C	X	-1.326	-1.326	0	%100
44	MP2C	Z	-2.297	-2.297	0	%100
45	MP3C	X	-1.326	-1.326	0	%100
46	MP3C	Z	-2.297	-2.297	0	%100
47	MP4C	X	-1.326	-1.326	0	%100
48	MP4C	Z	-2.297	-2.297	0	%100
49	MP5C	X	-1.326	-1.326	0	%100
50	MP5C	Z	-2.297	-2.297	0	%100
51	MP1B	X	-1.326	-1.326	0	%100
52	MP1B	Z	-2.297	-2.297	0	%100
53	MP2B	X	-1.326	-1.326	0	%100
54	MP2B	Z	-2.297	-2.297	0	%100
55	MP3B	X	-1.326	-1.326	0	%100
56	MP3B	Z	-2.297	-2.297	0	%100
57	MP4B	X	-1.326	-1.326	0	%100
58	MP4B	Z	-2.297	-2.297	0	%100
59	MP5B	X	-1.326	-1.326	0	%100
60	MP5B	Z	-2.297	-2.297	0	%100
61	M56A	X	-1.101	-1.101	0	%100
62	M56A	Z	-1.908	-1.908	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-1.101	-1.101	0	%100
66	M87	Z	-1.908	-1.908	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-1.092	-1.092	0	%100
70	M81	Z	-1.891	-1.891	0	%100
71	M88	X	-1.092	-1.092	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,%]
72	M88	Z	-1.891	-1.891	0	%100
73	M73A	X	-1.091	-1.091	0	%100
74	M73A	Z	-1.89	-1.89	0	%100
75	M74A	X	-2.05	-2.05	0	%100
76	M74A	Z	-3.55	-3.55	0	%100
77	M75	X	-1.091	-1.091	0	%100
78	M75	Z	-1.89	-1.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.653	-.653	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.653	-.653	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.025	-1.025	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-1.025	-1.025	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-.487	-.487	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-.256	-.256	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-.256	-.256	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-.439	-.439	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-.256	-.256	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-.256	-.256	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-.439	-.439	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-.508	-.508	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-.508	-.508	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.487	-.487	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.487	-.487	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.487	-.487	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-.487	-.487	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-.487	-.487	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-.487	-.487	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-.487	-.487	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,%]
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-.487	-.487	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-.487	-.487	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-.487	-.487	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-.487	-.487	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-.487	-.487	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-.487	-.487	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-.487	-.487	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-.589	-.589	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.147	-.147	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-.147	-.147	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	-.179	-.179	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-.179	-.179	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-.717	-.717	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-.439	-.439	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-.865	-.865	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.865	-.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.073	.073	0	%100
2	M1	Z	-.127	-.127	0	%100
3	M2	X	.085	.085	0	%100
4	M2	Z	-.147	-.147	0	%100
5	M5	X	.109	.109	0	%100
6	M5	Z	-.189	-.189	0	%100
7	M6	X	.109	.109	0	%100
8	M6	Z	-.189	-.189	0	%100
9	M7	X	.436	.436	0	%100
10	M7	Z	-.754	-.754	0	%100
11	M6A	X	.384	.384	0	%100
12	M6A	Z	-.666	-.666	0	%100
13	FACE	X	.384	.384	0	%100
14	FACE	Z	-.666	-.666	0	%100
15	MP1A	X	.243	.243	0	%100
16	MP1A	Z	-.422	-.422	0	%100
17	M23A	X	.384	.384	0	%100
18	M23A	Z	-.666	-.666	0	%100
19	M24	X	.384	.384	0	%100
20	M24	Z	-.666	-.666	0	%100
21	M38	X	.073	.073	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,%]
22	M38	Z	-.127	-.127	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.293	.293	0	%100
28	M54	Z	-.507	-.507	0	%100
29	M55	X	.085	.085	0	%100
30	M55	Z	-.147	-.147	0	%100
31	M56	X	.339	.339	0	%100
32	M56	Z	-.587	-.587	0	%100
33	MP2A	X	.243	.243	0	%100
34	MP2A	Z	-.422	-.422	0	%100
35	MP3A	X	.243	.243	0	%100
36	MP3A	Z	-.422	-.422	0	%100
37	MP4A	X	.243	.243	0	%100
38	MP4A	Z	-.422	-.422	0	%100
39	MP5A	X	.243	.243	0	%100
40	MP5A	Z	-.422	-.422	0	%100
41	MP1C	X	.243	.243	0	%100
42	MP1C	Z	-.422	-.422	0	%100
43	MP2C	X	.243	.243	0	%100
44	MP2C	Z	-.422	-.422	0	%100
45	MP3C	X	.243	.243	0	%100
46	MP3C	Z	-.422	-.422	0	%100
47	MP4C	X	.243	.243	0	%100
48	MP4C	Z	-.422	-.422	0	%100
49	MP5C	X	.243	.243	0	%100
50	MP5C	Z	-.422	-.422	0	%100
51	MP1B	X	.243	.243	0	%100
52	MP1B	Z	-.422	-.422	0	%100
53	MP2B	X	.243	.243	0	%100
54	MP2B	Z	-.422	-.422	0	%100
55	MP3B	X	.243	.243	0	%100
56	MP3B	Z	-.422	-.422	0	%100
57	MP4B	X	.243	.243	0	%100
58	MP4B	Z	-.422	-.422	0	%100
59	MP5B	X	.243	.243	0	%100
60	MP5B	Z	-.422	-.422	0	%100
61	M56A	X	.221	.221	0	%100
62	M56A	Z	-.383	-.383	0	%100
63	M71	X	.221	.221	0	%100
64	M71	Z	-.383	-.383	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	.269	.269	0	%100
68	M74	Z	-.466	-.466	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	.269	.269	0	%100
72	M88	Z	-.466	-.466	0	%100
73	M73A	X	.29	.29	0	%100
74	M73A	Z	-.503	-.503	0	%100
75	M74A	X	.29	.29	0	%100
76	M74A	Z	-.503	-.503	0	%100
77	M75	X	.504	.504	0	%100
78	M75	Z	-.873	-.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.38	.38	0	%100
2	M1	Z	-.22	-.22	0	%100
3	M2	X	.44	.44	0	%100
4	M2	Z	-.254	-.254	0	%100
5	M5	X	.566	.566	0	%100
6	M5	Z	-.327	-.327	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.566	.566	0	%100
10	M7	Z	-.327	-.327	0	%100
11	M6A	X	.222	.222	0	%100
12	M6A	Z	-.128	-.128	0	%100
13	FACE	X	.222	.222	0	%100
14	FACE	Z	-.128	-.128	0	%100
15	MP1A	X	.422	.422	0	%100
16	MP1A	Z	-.243	-.243	0	%100
17	M23A	X	.887	.887	0	%100
18	M23A	Z	-.512	-.512	0	%100
19	M24	X	.887	.887	0	%100
20	M24	Z	-.512	-.512	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.222	.222	0	%100
24	M39A	Z	-.128	-.128	0	%100
25	M40	X	.222	.222	0	%100
26	M40	Z	-.128	-.128	0	%100
27	M54	X	.38	.38	0	%100
28	M54	Z	-.22	-.22	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.44	.44	0	%100
32	M56	Z	-.254	-.254	0	%100
33	MP2A	X	.422	.422	0	%100
34	MP2A	Z	-.243	-.243	0	%100
35	MP3A	X	.422	.422	0	%100
36	MP3A	Z	-.243	-.243	0	%100
37	MP4A	X	.422	.422	0	%100
38	MP4A	Z	-.243	-.243	0	%100
39	MP5A	X	.422	.422	0	%100
40	MP5A	Z	-.243	-.243	0	%100
41	MP1C	X	.422	.422	0	%100
42	MP1C	Z	-.243	-.243	0	%100
43	MP2C	X	.422	.422	0	%100
44	MP2C	Z	-.243	-.243	0	%100
45	MP3C	X	.422	.422	0	%100
46	MP3C	Z	-.243	-.243	0	%100
47	MP4C	X	.422	.422	0	%100
48	MP4C	Z	-.243	-.243	0	%100
49	MP5C	X	.422	.422	0	%100
50	MP5C	Z	-.243	-.243	0	%100
51	MP1B	X	.422	.422	0	%100
52	MP1B	Z	-.243	-.243	0	%100
53	MP2B	X	.422	.422	0	%100
54	MP2B	Z	-.243	-.243	0	%100
55	MP3B	X	.422	.422	0	%100
56	MP3B	Z	-.243	-.243	0	%100
57	MP4B	X	.422	.422	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,%]
58	MP4B	Z	-.243	-.243	0	%100
59	MP5B	X	.422	.422	0	%100
60	MP5B	Z	-.243	-.243	0	%100
61	M56A	X	.128	.128	0	%100
62	M56A	Z	-.074	-.074	0	%100
63	M71	X	.51	.51	0	%100
64	M71	Z	-.295	-.295	0	%100
65	M87	X	.128	.128	0	%100
66	M87	Z	-.074	-.074	0	%100
67	M74	X	.621	.621	0	%100
68	M74	Z	-.359	-.359	0	%100
69	M81	X	.155	.155	0	%100
70	M81	Z	-.09	-.09	0	%100
71	M88	X	.155	.155	0	%100
72	M88	Z	-.09	-.09	0	%100
73	M73A	X	.75	.75	0	%100
74	M73A	Z	-.433	-.433	0	%100
75	M74A	X	.38	.38	0	%100
76	M74A	Z	-.219	-.219	0	%100
77	M75	X	.75	.75	0	%100
78	M75	Z	-.433	-.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.586	.586	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.677	.677	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.871	.871	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.218	.218	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.218	.218	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	.487	.487	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	.769	.769	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	.769	.769	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.146	.146	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.769	.769	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	.769	.769	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.146	.146	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.169	.169	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.169	.169	0	%100
32	M56	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,%]
33	MP2A	X	.487	.487	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.487	.487	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.487	.487	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	.487	.487	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	.487	.487	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	.487	.487	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	.487	.487	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	.487	.487	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	.487	.487	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	.487	.487	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	.487	.487	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	.487	.487	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	.487	.487	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	.487	.487	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	.442	.442	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	.442	.442	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	.538	.538	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	.538	.538	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	1.008	1.008	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	.581	.581	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	.581	.581	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.38	.38	0	%100
2	M1	Z	.22	.22	0	%100
3	M2	X	.44	.44	0	%100
4	M2	Z	.254	.254	0	%100
5	M5	X	.566	.566	0	%100
6	M5	Z	.327	.327	0	%100
7	M6	X	.566	.566	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,%]
8	M6	Z	.327	.327	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.222	.222	0	%100
12	M6A	Z	.128	.128	0	%100
13	FACE	X	.222	.222	0	%100
14	FACE	Z	.128	.128	0	%100
15	MP1A	X	.422	.422	0	%100
16	MP1A	Z	.243	.243	0	%100
17	M23A	X	.222	.222	0	%100
18	M23A	Z	.128	.128	0	%100
19	M24	X	.222	.222	0	%100
20	M24	Z	.128	.128	0	%100
21	M38	X	.38	.38	0	%100
22	M38	Z	.22	.22	0	%100
23	M39A	X	.887	.887	0	%100
24	M39A	Z	.512	.512	0	%100
25	M40	X	.887	.887	0	%100
26	M40	Z	.512	.512	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.44	.44	0	%100
30	M55	Z	.254	.254	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	.422	.422	0	%100
34	MP2A	Z	.243	.243	0	%100
35	MP3A	X	.422	.422	0	%100
36	MP3A	Z	.243	.243	0	%100
37	MP4A	X	.422	.422	0	%100
38	MP4A	Z	.243	.243	0	%100
39	MP5A	X	.422	.422	0	%100
40	MP5A	Z	.243	.243	0	%100
41	MP1C	X	.422	.422	0	%100
42	MP1C	Z	.243	.243	0	%100
43	MP2C	X	.422	.422	0	%100
44	MP2C	Z	.243	.243	0	%100
45	MP3C	X	.422	.422	0	%100
46	MP3C	Z	.243	.243	0	%100
47	MP4C	X	.422	.422	0	%100
48	MP4C	Z	.243	.243	0	%100
49	MP5C	X	.422	.422	0	%100
50	MP5C	Z	.243	.243	0	%100
51	MP1B	X	.422	.422	0	%100
52	MP1B	Z	.243	.243	0	%100
53	MP2B	X	.422	.422	0	%100
54	MP2B	Z	.243	.243	0	%100
55	MP3B	X	.422	.422	0	%100
56	MP3B	Z	.243	.243	0	%100
57	MP4B	X	.422	.422	0	%100
58	MP4B	Z	.243	.243	0	%100
59	MP5B	X	.422	.422	0	%100
60	MP5B	Z	.243	.243	0	%100
61	M56A	X	.128	.128	0	%100
62	M56A	Z	.074	.074	0	%100
63	M71	X	.128	.128	0	%100
64	M71	Z	.074	.074	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,%]
65	M87	X	.51	.51	0	%100
66	M87	Z	.295	.295	0	%100
67	M74	X	.155	.155	0	%100
68	M74	Z	.09	.09	0	%100
69	M81	X	.621	.621	0	%100
70	M81	Z	.359	.359	0	%100
71	M88	X	.155	.155	0	%100
72	M88	Z	.09	.09	0	%100
73	M73A	X	.75	.75	0	%100
74	M73A	Z	.433	.433	0	%100
75	M74A	X	.75	.75	0	%100
76	M74A	Z	.433	.433	0	%100
77	M75	X	.38	.38	0	%100
78	M75	Z	.219	.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.073	.073	0	%100
2	M1	Z	.127	.127	0	%100
3	M2	X	.085	.085	0	%100
4	M2	Z	.147	.147	0	%100
5	M5	X	.109	.109	0	%100
6	M5	Z	.189	.189	0	%100
7	M6	X	.436	.436	0	%100
8	M6	Z	.754	.754	0	%100
9	M7	X	.109	.109	0	%100
10	M7	Z	.189	.189	0	%100
11	M6A	X	.384	.384	0	%100
12	M6A	Z	.666	.666	0	%100
13	FACE	X	.384	.384	0	%100
14	FACE	Z	.666	.666	0	%100
15	MP1A	X	.243	.243	0	%100
16	MP1A	Z	.422	.422	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.293	.293	0	%100
22	M38	Z	.507	.507	0	%100
23	M39A	X	.384	.384	0	%100
24	M39A	Z	.666	.666	0	%100
25	M40	X	.384	.384	0	%100
26	M40	Z	.666	.666	0	%100
27	M54	X	.073	.073	0	%100
28	M54	Z	.127	.127	0	%100
29	M55	X	.339	.339	0	%100
30	M55	Z	.587	.587	0	%100
31	M56	X	.085	.085	0	%100
32	M56	Z	.147	.147	0	%100
33	MP2A	X	.243	.243	0	%100
34	MP2A	Z	.422	.422	0	%100
35	MP3A	X	.243	.243	0	%100
36	MP3A	Z	.422	.422	0	%100
37	MP4A	X	.243	.243	0	%100
38	MP4A	Z	.422	.422	0	%100
39	MP5A	X	.243	.243	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,%]
40	MP5A	Z	.422	.422	0	%100
41	MP1C	X	.243	.243	0	%100
42	MP1C	Z	.422	.422	0	%100
43	MP2C	X	.243	.243	0	%100
44	MP2C	Z	.422	.422	0	%100
45	MP3C	X	.243	.243	0	%100
46	MP3C	Z	.422	.422	0	%100
47	MP4C	X	.243	.243	0	%100
48	MP4C	Z	.422	.422	0	%100
49	MP5C	X	.243	.243	0	%100
50	MP5C	Z	.422	.422	0	%100
51	MP1B	X	.243	.243	0	%100
52	MP1B	Z	.422	.422	0	%100
53	MP2B	X	.243	.243	0	%100
54	MP2B	Z	.422	.422	0	%100
55	MP3B	X	.243	.243	0	%100
56	MP3B	Z	.422	.422	0	%100
57	MP4B	X	.243	.243	0	%100
58	MP4B	Z	.422	.422	0	%100
59	MP5B	X	.243	.243	0	%100
60	MP5B	Z	.422	.422	0	%100
61	M56A	X	.221	.221	0	%100
62	M56A	Z	.383	.383	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	.221	.221	0	%100
66	M87	Z	.383	.383	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	.269	.269	0	%100
70	M81	Z	.466	.466	0	%100
71	M88	X	.269	.269	0	%100
72	M88	Z	.466	.466	0	%100
73	M73A	X	.29	.29	0	%100
74	M73A	Z	.503	.503	0	%100
75	M74A	X	.504	.504	0	%100
76	M74A	Z	.873	.873	0	%100
77	M75	X	.29	.29	0	%100
78	M75	Z	.503	.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.653	.653	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.653	.653	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.025	1.025	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	1.025	1.025	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,%]
15	MP1A	X	0	0	0	%100
16	MP1A	Z	.487	.487	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	.256	.256	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	.256	.256	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.439	.439	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	.256	.256	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	.256	.256	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	.439	.439	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	.508	.508	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	.508	.508	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.487	.487	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.487	.487	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.487	.487	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	.487	.487	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	.487	.487	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	.487	.487	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	.487	.487	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	.487	.487	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	.487	.487	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	.487	.487	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	.487	.487	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	.487	.487	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	.487	.487	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	.487	.487	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	.589	.589	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.147	.147	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	.147	.147	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	.179	.179	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	.179	.179	0	%100
71	M88	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,%]
72	M88	Z	.717	.717	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	.439	.439	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	.865	.865	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.865	.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.073	-.073	0	%100
2	M1	Z	.127	.127	0	%100
3	M2	X	-.085	-.085	0	%100
4	M2	Z	.147	.147	0	%100
5	M5	X	-.109	-.109	0	%100
6	M5	Z	.189	.189	0	%100
7	M6	X	-.109	-.109	0	%100
8	M6	Z	.189	.189	0	%100
9	M7	X	-.436	-.436	0	%100
10	M7	Z	.754	.754	0	%100
11	M6A	X	-.384	-.384	0	%100
12	M6A	Z	.666	.666	0	%100
13	FACE	X	-.384	-.384	0	%100
14	FACE	Z	.666	.666	0	%100
15	MP1A	X	-.243	-.243	0	%100
16	MP1A	Z	.422	.422	0	%100
17	M23A	X	-.384	-.384	0	%100
18	M23A	Z	.666	.666	0	%100
19	M24	X	-.384	-.384	0	%100
20	M24	Z	.666	.666	0	%100
21	M38	X	-.073	-.073	0	%100
22	M38	Z	.127	.127	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.293	-.293	0	%100
28	M54	Z	.507	.507	0	%100
29	M55	X	-.085	-.085	0	%100
30	M55	Z	.147	.147	0	%100
31	M56	X	-.339	-.339	0	%100
32	M56	Z	.587	.587	0	%100
33	MP2A	X	-.243	-.243	0	%100
34	MP2A	Z	.422	.422	0	%100
35	MP3A	X	-.243	-.243	0	%100
36	MP3A	Z	.422	.422	0	%100
37	MP4A	X	-.243	-.243	0	%100
38	MP4A	Z	.422	.422	0	%100
39	MP5A	X	-.243	-.243	0	%100
40	MP5A	Z	.422	.422	0	%100
41	MP1C	X	-.243	-.243	0	%100
42	MP1C	Z	.422	.422	0	%100
43	MP2C	X	-.243	-.243	0	%100
44	MP2C	Z	.422	.422	0	%100
45	MP3C	X	-.243	-.243	0	%100
46	MP3C	Z	.422	.422	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,%]
47	MP4C	X	-.243	-.243	0	%100
48	MP4C	Z	.422	.422	0	%100
49	MP5C	X	-.243	-.243	0	%100
50	MP5C	Z	.422	.422	0	%100
51	MP1B	X	-.243	-.243	0	%100
52	MP1B	Z	.422	.422	0	%100
53	MP2B	X	-.243	-.243	0	%100
54	MP2B	Z	.422	.422	0	%100
55	MP3B	X	-.243	-.243	0	%100
56	MP3B	Z	.422	.422	0	%100
57	MP4B	X	-.243	-.243	0	%100
58	MP4B	Z	.422	.422	0	%100
59	MP5B	X	-.243	-.243	0	%100
60	MP5B	Z	.422	.422	0	%100
61	M56A	X	-.221	-.221	0	%100
62	M56A	Z	.383	.383	0	%100
63	M71	X	-.221	-.221	0	%100
64	M71	Z	.383	.383	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-.269	-.269	0	%100
68	M74	Z	.466	.466	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-.269	-.269	0	%100
72	M88	Z	.466	.466	0	%100
73	M73A	X	-.29	-.29	0	%100
74	M73A	Z	.503	.503	0	%100
75	M74A	X	-.29	-.29	0	%100
76	M74A	Z	.503	.503	0	%100
77	M75	X	-.504	-.504	0	%100
78	M75	Z	.873	.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.38	-.38	0	%100
2	M1	Z	.22	.22	0	%100
3	M2	X	-.44	-.44	0	%100
4	M2	Z	.254	.254	0	%100
5	M5	X	-.566	-.566	0	%100
6	M5	Z	.327	.327	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.566	-.566	0	%100
10	M7	Z	.327	.327	0	%100
11	M6A	X	-.222	-.222	0	%100
12	M6A	Z	.128	.128	0	%100
13	FACE	X	-.222	-.222	0	%100
14	FACE	Z	.128	.128	0	%100
15	MP1A	X	-.422	-.422	0	%100
16	MP1A	Z	.243	.243	0	%100
17	M23A	X	-.887	-.887	0	%100
18	M23A	Z	.512	.512	0	%100
19	M24	X	-.887	-.887	0	%100
20	M24	Z	.512	.512	0	%100
21	M38	X	0	0	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,%]
22	M38	Z	0	0	0	%100
23	M39A	X	-.222	-.222	0	%100
24	M39A	Z	.128	.128	0	%100
25	M40	X	-.222	-.222	0	%100
26	M40	Z	.128	.128	0	%100
27	M54	X	-.38	-.38	0	%100
28	M54	Z	.22	.22	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.44	-.44	0	%100
32	M56	Z	.254	.254	0	%100
33	MP2A	X	-.422	-.422	0	%100
34	MP2A	Z	.243	.243	0	%100
35	MP3A	X	-.422	-.422	0	%100
36	MP3A	Z	.243	.243	0	%100
37	MP4A	X	-.422	-.422	0	%100
38	MP4A	Z	.243	.243	0	%100
39	MP5A	X	-.422	-.422	0	%100
40	MP5A	Z	.243	.243	0	%100
41	MP1C	X	-.422	-.422	0	%100
42	MP1C	Z	.243	.243	0	%100
43	MP2C	X	-.422	-.422	0	%100
44	MP2C	Z	.243	.243	0	%100
45	MP3C	X	-.422	-.422	0	%100
46	MP3C	Z	.243	.243	0	%100
47	MP4C	X	-.422	-.422	0	%100
48	MP4C	Z	.243	.243	0	%100
49	MP5C	X	-.422	-.422	0	%100
50	MP5C	Z	.243	.243	0	%100
51	MP1B	X	-.422	-.422	0	%100
52	MP1B	Z	.243	.243	0	%100
53	MP2B	X	-.422	-.422	0	%100
54	MP2B	Z	.243	.243	0	%100
55	MP3B	X	-.422	-.422	0	%100
56	MP3B	Z	.243	.243	0	%100
57	MP4B	X	-.422	-.422	0	%100
58	MP4B	Z	.243	.243	0	%100
59	MP5B	X	-.422	-.422	0	%100
60	MP5B	Z	.243	.243	0	%100
61	M56A	X	-.128	-.128	0	%100
62	M56A	Z	.074	.074	0	%100
63	M71	X	-.51	-.51	0	%100
64	M71	Z	.295	.295	0	%100
65	M87	X	-.128	-.128	0	%100
66	M87	Z	.074	.074	0	%100
67	M74	X	-.621	-.621	0	%100
68	M74	Z	.359	.359	0	%100
69	M81	X	-.155	-.155	0	%100
70	M81	Z	.09	.09	0	%100
71	M88	X	-.155	-.155	0	%100
72	M88	Z	.09	.09	0	%100
73	M73A	X	-.75	-.75	0	%100
74	M73A	Z	.433	.433	0	%100
75	M74A	X	-.38	-.38	0	%100
76	M74A	Z	.219	.219	0	%100
77	M75	X	-.75	-.75	0	%100
78	M75	Z	.433	.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.586	-.586	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.677	-.677	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-.871	-.871	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.218	-.218	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.218	-.218	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	-.487	-.487	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-.769	-.769	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-.769	-.769	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.146	-.146	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-.769	-.769	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-.769	-.769	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.146	-.146	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.169	-.169	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.169	-.169	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-.487	-.487	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-.487	-.487	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-.487	-.487	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-.487	-.487	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-.487	-.487	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-.487	-.487	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-.487	-.487	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-.487	-.487	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-.487	-.487	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-.487	-.487	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-.487	-.487	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-.487	-.487	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-.487	-.487	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,%]
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-.487	-.487	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-.442	-.442	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-.442	-.442	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-.538	-.538	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-.538	-.538	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	-1.008	-1.008	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-.581	-.581	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-.581	-.581	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.38	-.38	0	%100
2	M1	Z	-.22	-.22	0	%100
3	M2	X	-.44	-.44	0	%100
4	M2	Z	-.254	-.254	0	%100
5	M5	X	-.566	-.566	0	%100
6	M5	Z	-.327	-.327	0	%100
7	M6	X	-.566	-.566	0	%100
8	M6	Z	-.327	-.327	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.222	-.222	0	%100
12	M6A	Z	-.128	-.128	0	%100
13	FACE	X	-.222	-.222	0	%100
14	FACE	Z	-.128	-.128	0	%100
15	MP1A	X	-.422	-.422	0	%100
16	MP1A	Z	-.243	-.243	0	%100
17	M23A	X	-.222	-.222	0	%100
18	M23A	Z	-.128	-.128	0	%100
19	M24	X	-.222	-.222	0	%100
20	M24	Z	-.128	-.128	0	%100
21	M38	X	-.38	-.38	0	%100
22	M38	Z	-.22	-.22	0	%100
23	M39A	X	-.887	-.887	0	%100
24	M39A	Z	-.512	-.512	0	%100
25	M40	X	-.887	-.887	0	%100
26	M40	Z	-.512	-.512	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.44	-.44	0	%100
30	M55	Z	-.254	-.254	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	-.422	-.422	0	%100
34	MP2A	Z	-.243	-.243	0	%100
35	MP3A	X	-.422	-.422	0	%100
36	MP3A	Z	-.243	-.243	0	%100
37	MP4A	X	-.422	-.422	0	%100
38	MP4A	Z	-.243	-.243	0	%100
39	MP5A	X	-.422	-.422	0	%100
40	MP5A	Z	-.243	-.243	0	%100
41	MP1C	X	-.422	-.422	0	%100
42	MP1C	Z	-.243	-.243	0	%100
43	MP2C	X	-.422	-.422	0	%100
44	MP2C	Z	-.243	-.243	0	%100
45	MP3C	X	-.422	-.422	0	%100
46	MP3C	Z	-.243	-.243	0	%100
47	MP4C	X	-.422	-.422	0	%100
48	MP4C	Z	-.243	-.243	0	%100
49	MP5C	X	-.422	-.422	0	%100
50	MP5C	Z	-.243	-.243	0	%100
51	MP1B	X	-.422	-.422	0	%100
52	MP1B	Z	-.243	-.243	0	%100
53	MP2B	X	-.422	-.422	0	%100
54	MP2B	Z	-.243	-.243	0	%100
55	MP3B	X	-.422	-.422	0	%100
56	MP3B	Z	-.243	-.243	0	%100
57	MP4B	X	-.422	-.422	0	%100
58	MP4B	Z	-.243	-.243	0	%100
59	MP5B	X	-.422	-.422	0	%100
60	MP5B	Z	-.243	-.243	0	%100
61	M56A	X	-.128	-.128	0	%100
62	M56A	Z	-.074	-.074	0	%100
63	M71	X	-.128	-.128	0	%100
64	M71	Z	-.074	-.074	0	%100
65	M87	X	-.51	-.51	0	%100
66	M87	Z	-.295	-.295	0	%100
67	M74	X	-.155	-.155	0	%100
68	M74	Z	-.09	-.09	0	%100
69	M81	X	-.621	-.621	0	%100
70	M81	Z	-.359	-.359	0	%100
71	M88	X	-.155	-.155	0	%100
72	M88	Z	-.09	-.09	0	%100
73	M73A	X	-.75	-.75	0	%100
74	M73A	Z	-.433	-.433	0	%100
75	M74A	X	-.75	-.75	0	%100
76	M74A	Z	-.433	-.433	0	%100
77	M75	X	-.38	-.38	0	%100
78	M75	Z	-.219	-.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.073	-.073	0	%100
2	M1	Z	-.127	-.127	0	%100
3	M2	X	-.085	-.085	0	%100
4	M2	Z	-.147	-.147	0	%100
5	M5	X	-.109	-.109	0	%100
6	M5	Z	-.189	-.189	0	%100
7	M6	X	-.436	-.436	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,%]
8	M6	Z	-.754	-.754	0	%100
9	M7	X	-.109	-.109	0	%100
10	M7	Z	-.189	-.189	0	%100
11	M6A	X	-.384	-.384	0	%100
12	M6A	Z	-.666	-.666	0	%100
13	FACE	X	-.384	-.384	0	%100
14	FACE	Z	-.666	-.666	0	%100
15	MP1A	X	-.243	-.243	0	%100
16	MP1A	Z	-.422	-.422	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.293	-.293	0	%100
22	M38	Z	-.507	-.507	0	%100
23	M39A	X	-.384	-.384	0	%100
24	M39A	Z	-.666	-.666	0	%100
25	M40	X	-.384	-.384	0	%100
26	M40	Z	-.666	-.666	0	%100
27	M54	X	-.073	-.073	0	%100
28	M54	Z	-.127	-.127	0	%100
29	M55	X	-.339	-.339	0	%100
30	M55	Z	-.587	-.587	0	%100
31	M56	X	-.085	-.085	0	%100
32	M56	Z	-.147	-.147	0	%100
33	MP2A	X	-.243	-.243	0	%100
34	MP2A	Z	-.422	-.422	0	%100
35	MP3A	X	-.243	-.243	0	%100
36	MP3A	Z	-.422	-.422	0	%100
37	MP4A	X	-.243	-.243	0	%100
38	MP4A	Z	-.422	-.422	0	%100
39	MP5A	X	-.243	-.243	0	%100
40	MP5A	Z	-.422	-.422	0	%100
41	MP1C	X	-.243	-.243	0	%100
42	MP1C	Z	-.422	-.422	0	%100
43	MP2C	X	-.243	-.243	0	%100
44	MP2C	Z	-.422	-.422	0	%100
45	MP3C	X	-.243	-.243	0	%100
46	MP3C	Z	-.422	-.422	0	%100
47	MP4C	X	-.243	-.243	0	%100
48	MP4C	Z	-.422	-.422	0	%100
49	MP5C	X	-.243	-.243	0	%100
50	MP5C	Z	-.422	-.422	0	%100
51	MP1B	X	-.243	-.243	0	%100
52	MP1B	Z	-.422	-.422	0	%100
53	MP2B	X	-.243	-.243	0	%100
54	MP2B	Z	-.422	-.422	0	%100
55	MP3B	X	-.243	-.243	0	%100
56	MP3B	Z	-.422	-.422	0	%100
57	MP4B	X	-.243	-.243	0	%100
58	MP4B	Z	-.422	-.422	0	%100
59	MP5B	X	-.243	-.243	0	%100
60	MP5B	Z	-.422	-.422	0	%100
61	M56A	X	-.221	-.221	0	%100
62	M56A	Z	-.383	-.383	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	-.221	-.221	0	%100
66	M87	Z	-.383	-.383	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-.269	-.269	0	%100
70	M81	Z	-.466	-.466	0	%100
71	M88	X	-.269	-.269	0	%100
72	M88	Z	-.466	-.466	0	%100
73	M73A	X	-.29	-.29	0	%100
74	M73A	Z	-.503	-.503	0	%100
75	M74A	X	-.504	-.504	0	%100
76	M74A	Z	-.873	-.873	0	%100
77	M75	X	-.29	-.29	0	%100
78	M75	Z	-.503	-.503	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	M2	Y	-9.134	-9.134	0	2
2	M6	Y	-1.082	-5.011	0	2
3	M6	Y	-5.011	-8.94	2	4
4	M7	Y	-1.082	-5.011	0	2
5	M7	Y	-5.011	-8.94	2	4
6	M6A	Y	-3.827	-3.827	.037	7.397
7	FACE	Y	-1.146	-2.683	0	2.394
8	FACE	Y	-2.683	-3.673	2.394	4.787
9	FACE	Y	-3.673	-3.896	4.787	7.181
10	FACE	Y	-3.896	-3.673	7.181	9.574
11	FACE	Y	-3.673	-2.683	9.574	11.968
12	FACE	Y	-2.683	-1.146	11.968	14.362
13	M5	Y	-1.082	-5.011	0	2
14	M5	Y	-5.011	-8.94	2	4
15	M23A	Y	-3.827	-3.827	.037	7.397
16	M24	Y	-1.146	-2.683	0	2.394
17	M24	Y	-2.683	-3.673	2.394	4.787
18	M24	Y	-3.673	-3.896	4.787	7.181
19	M24	Y	-3.896	-3.673	7.181	9.574
20	M24	Y	-3.673	-2.683	9.574	11.968
21	M24	Y	-2.683	-1.146	11.968	14.362
22	M55	Y	-9.134	-9.134	0	2
23	M39A	Y	-3.827	-3.827	.037	7.397
24	M40	Y	-1.146	-2.683	0	2.394
25	M40	Y	-2.683	-3.673	2.394	4.787
26	M40	Y	-3.673	-3.896	4.787	7.181
27	M40	Y	-3.896	-3.673	7.181	9.574
28	M40	Y	-3.673	-2.683	9.574	11.968
29	M40	Y	-2.683	-1.146	11.968	14.362
30	M56	Y	-9.134	-9.134	3.364e-14	2

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	M2	Y	-21.921	-21.921	0	2
2	M6	Y	-2.597	-12.027	0	2
3	M6	Y	-12.027	-21.456	2	4
4	M7	Y	-2.597	-12.027	0	2
5	M7	Y	-12.027	-21.456	2	4
6	M6A	Y	-9.185	-9.185	.037	7.397

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	FACE	Y	-2.751	-6.438	0	2.394
8	FACE	Y	-6.438	-8.816	2.394	4.787
9	FACE	Y	-8.816	-9.351	4.787	7.181
10	FACE	Y	-9.351	-8.816	7.181	9.574
11	FACE	Y	-8.816	-6.438	9.574	11.968
12	FACE	Y	-6.438	-2.751	11.968	14.362
13	M5	Y	-2.597	-12.027	0	2
14	M5	Y	-12.027	-21.456	2	4
15	M23A	Y	-9.185	-9.185	.037	7.397
16	M24	Y	-2.751	-6.438	0	2.394
17	M24	Y	-6.438	-8.816	2.394	4.787
18	M24	Y	-8.816	-9.351	4.787	7.181
19	M24	Y	-9.351	-8.816	7.181	9.574
20	M24	Y	-8.816	-6.438	9.574	11.968
21	M24	Y	-6.438	-2.751	11.968	14.362
22	M55	Y	-21.921	-21.921	0	2
23	M39A	Y	-9.185	-9.185	.037	7.397
24	M40	Y	-2.751	-6.438	0	2.394
25	M40	Y	-6.438	-8.816	2.394	4.787
26	M40	Y	-8.816	-9.351	4.787	7.181
27	M40	Y	-9.351	-8.816	7.181	9.574
28	M40	Y	-8.816	-6.438	9.574	11.968
29	M40	Y	-6.438	-2.751	11.968	14.362
30	M56	Y	-21.921	-21.921	3.364e-14	2

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.005
2	N18	N17	N10	N14	Y	Two Way	-.005
3	N14	N10	N15	N16	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.012
2	N18	N17	N10	N14	Y	Two Way	-.012
3	N14	N10	N15	N16	Y	Two Way	-.012

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
1	M1	HSS4X4X6	.161	0	11	.066	0	z	10	19691...	197892	22.046	22.046	1...H1-1b
2	M2	HSS4.5X...	.095	0	22	.049	0	y	48	15691...	158976	20.907	20.907	1...H1-1b
3	M5	LL3x3x4x0	.346	0	16	.051	2	y	14	76288...	93312	6.48	4.357	1...H1-1b
4	M6	LL3x3x4x0	.344	0	24	.050	2	y	22	76288...	93312	6.48	4.357	1...H1-1b
5	M7	LL3x3x4x0	.324	0	19	.055	2	y	30	76288...	93312	6.48	4.357	1...H1-1b
6	M6A	L3X3X4	.189	7.433	21	.016	7.433	z	21	13991...	46656	1.688	3.479	2...H2-1
7	FACE	L3X3X4	.807	7.181	7	.282	7.181	z	16	3748.4...	46656	1.688	2.527	1...H2-1
8	MP1A	PIPE_2.0	.244	3.563	4	.060	3.563		3	20866...	32130	1.872	1.872	2...H1-1b
9	M23A	L3X3X4	.192	7.433	29	.016	0	z	13	13991...	46656	1.688	3.478	2...H2-1
10	M24	L3X3X4	.792	7.181	3	.277	7.181	z	24	3748.4...	46656	1.688	2.53	1...H2-1
11	M38	HSS4X4X6	.156	0	11	.065	0	z	6	19691...	197892	22.046	22.046	1...H1-1b
12	M39A	L3X3X4	.196	0	9	.016	0	z	21	13991...	46656	1.688	3.366	1...H2-1
13	M40	L3X3X4	.806	7.181	11	.286	7.181	z	20	3748.4...	46656	1.688	2.52	1...H2-1
14	M54	HSS4X4X6	.168	0	9	.068	0	z	2	19691...	197892	22.046	22.046	1...H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
15	M55	HSS4.5X...	.090	0	24	.025	0	y	16	15691...	158976	20.907	20.907	1...	H1-1b
16	M56	HSS4.5X...	.093	0	14	.023	0	y	24	15691...	158976	20.907	20.907	1...	H1-1b
17	MP2A	PIPE_2.0	.388	3.963	7	.129	3.963		7	18105...	32130	1.872	1.872	1...	H1-1b
18	MP3A	PIPE_2.0	.233	.625	10	.086	3.563		7	20866...	32130	1.872	1.872	2...	H1-1b
19	MP4A	PIPE_2.0	.188	.625	10	.080	.625		1	20866...	32130	1.872	1.872	2...	H1-1b
20	MP5A	PIPE_2.0	.229	3.563	10	.086	1.938		11	20866...	32130	1.872	1.872	2...	H1-1b
21	MP1C	PIPE_2.0	.239	3.563	12	.066	3.563		11	20866...	32130	1.872	1.872	2...	H1-1b
22	MP2C	PIPE_2.0	.388	3.963	3	.117	3.963		3	18105...	32130	1.872	1.872	1...	H1-1b
23	MP3C	PIPE_2.0	.240	.625	6	.090	3.563		4	20866...	32130	1.872	1.872	2...	H1-1b
24	MP4C	PIPE_2.0	.210	.625	6	.068	.625		9	20866...	32130	1.872	1.872	2...	H1-1b
25	MP5C	PIPE_2.0	.225	3.563	6	.079	1.938		7	20866...	32130	1.872	1.872	2...	H1-1b
26	MP1B	PIPE_2.0	.254	3.563	8	.066	3.563		7	20866...	32130	1.872	1.872	1...	H1-1b
27	MP2B	PIPE_2.0	.388	3.963	11	.128	3.963		11	18105...	32130	1.872	1.872	1...	H1-1b
28	MP3B	PIPE_2.0	.245	.625	2	.091	3.563		12	20866...	32130	1.872	1.872	2...	H1-1b
29	MP4B	PIPE_2.0	.198	.625	2	.086	.625		6	20866...	32130	1.872	1.872	2...	H1-1b
30	MP5B	PIPE_2.0	.241	3.563	2	.085	1.938		3	20866...	32130	1.872	1.872	1...	H1-1b
31	M56A	PIPE_2.5	.153	8.666	10	.079	12....		6	13461...	50715	3.596	3.596	1...	H1-1b
32	M71	PIPE_2.5	.161	8.666	6	.071	12....		2	13461...	50715	3.596	3.596	1...	H1-1b
33	M87	PIPE_2.5	.159	8.666	2	.080	12....		10	13461...	50715	3.596	3.596	1...	H1-1b
34	M74	L3X3X4	.227	1.748	1	.029	0	y	12	43602...	46656	1.688	3.756	2...	H2-1
35	M81	L3X3X4	.205	0	1	.025	0	y	8	43602...	46656	1.688	3.756	2...	H2-1
36	M88	L3X3X4	.249	1.748	5	.031	0	y	4	43602...	46656	1.688	3.756	2...	H2-1
37	M73A	LL3x3x3x6	.085	0	13	.003	6	y	15	46114...	70632	6.362	3.751	1	H1-1b*
38	M74A	LL3x3x3x6	.085	0	21	.003	6	y	23	46114...	70632	6.362	3.751	1	H1-1b*
39	M75	LL3x3x3x6	.081	0	17	.004	6	y	31	46114...	70632	6.362	3.751	1	H1-1b*

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	N2	max	3110.621	10	791.151	37	1046.399	1	-1.018	7	2.454	11	.414	46
2		min	-3035.064	4	269.218	7	-975.444	7	-2.531	37	-2.408	5	-.051	4
3	N77	max	1779.533	11	733.227	21	2736.219	1	1.267	18	2.278	7	2.057	24
4		min	-1685.125	5	230.56	27	-2711.674	7	.495	12	-2.349	1	.768	30
5	N109	max	1860.953	9	762.574	17	2766.479	2	1.238	20	2.597	3	-.88	11
6		min	-1934.342	3	264.722	11	-2782.899	8	.439	2	-2.593	9	-2.207	17
7	N140B	max	2762.888	17	1903.197	17	1595.148	17	0	3	0	3	0	3
8		min	483.473	11	336.447	11	279.136	11	0	33	0	33	0	33
9	N141A	max	50.113	10	2010.869	13	-633.338	7	0	51	0	11	0	5
10		min	-50.114	4	379.808	7	-3377.128	13	0	1	0	5	0	11
11	N142A	max	-546.072	3	2007.012	21	1685.243	21	0	1	0	7	0	7
12		min	-2918.868	21	378.184	3	315.226	3	0	7	0	1	0	1
13	Totals:	max	5438.408	10	7874.087	20	5453.644	1						
14		min	-5438.404	4	3361.732	3	-5453.641	7						

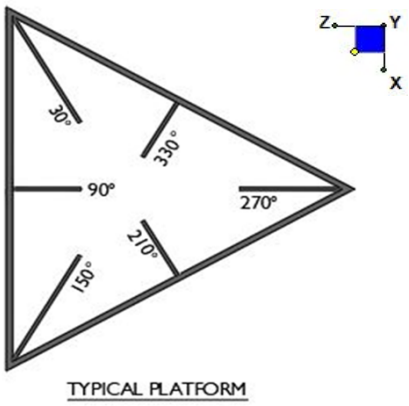
Client:	Verizon	Date:	8/25/2021
Site Name:	Plainfield N CT		
Project No.	21777337A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N2	90
N109	330
N77	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	1.62
Weld Capacity:	**23.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	#N/A
Phi*Mn_{xx} *(kip-in)* :	0.0
Phi*Mn_{yy} *(kip-in)* :	0.0

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____
Name _____
Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Contractor shall install safety climb wire rope guide (Part #: Site Pro 1 - 120-203/317 or EOR approved equal) in locations where the wire rope is rubbing against mount to tower attachments. Contractor shall provide photos of safety climb wire rope guide installation. Relocate the existing OVPs to the Alpha and Beta positions 4, one OVP per pipe. Mapping report shows damaged radio/antenna equipment. Contractor to work with Verizon Wireless to repair or replace damaged antenna equipment.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

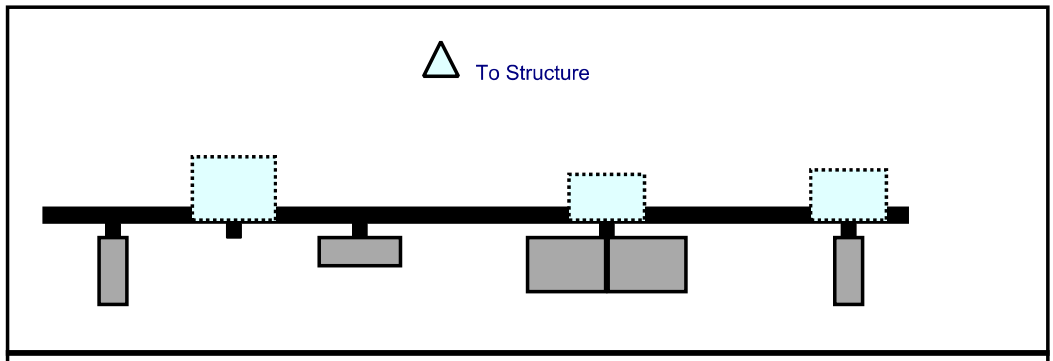
Structure: 468830-VZW - PLAINFIELD N CT

Sector: **A** 8/25/2021

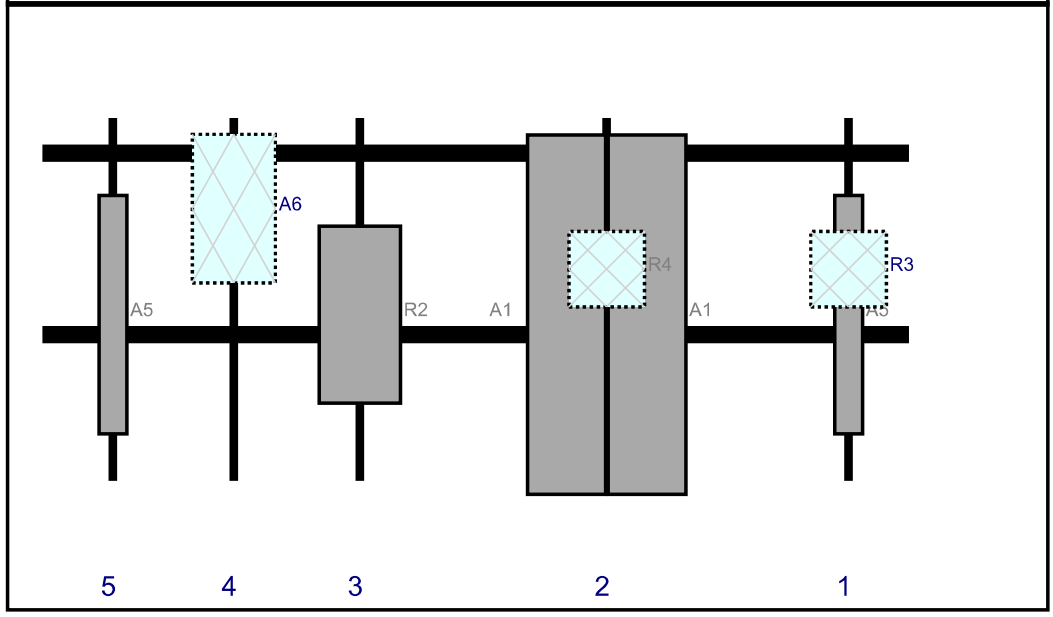
Structure Type: Monopole 10097864

Mount Elev: 124.50 Page: 1

Plan View



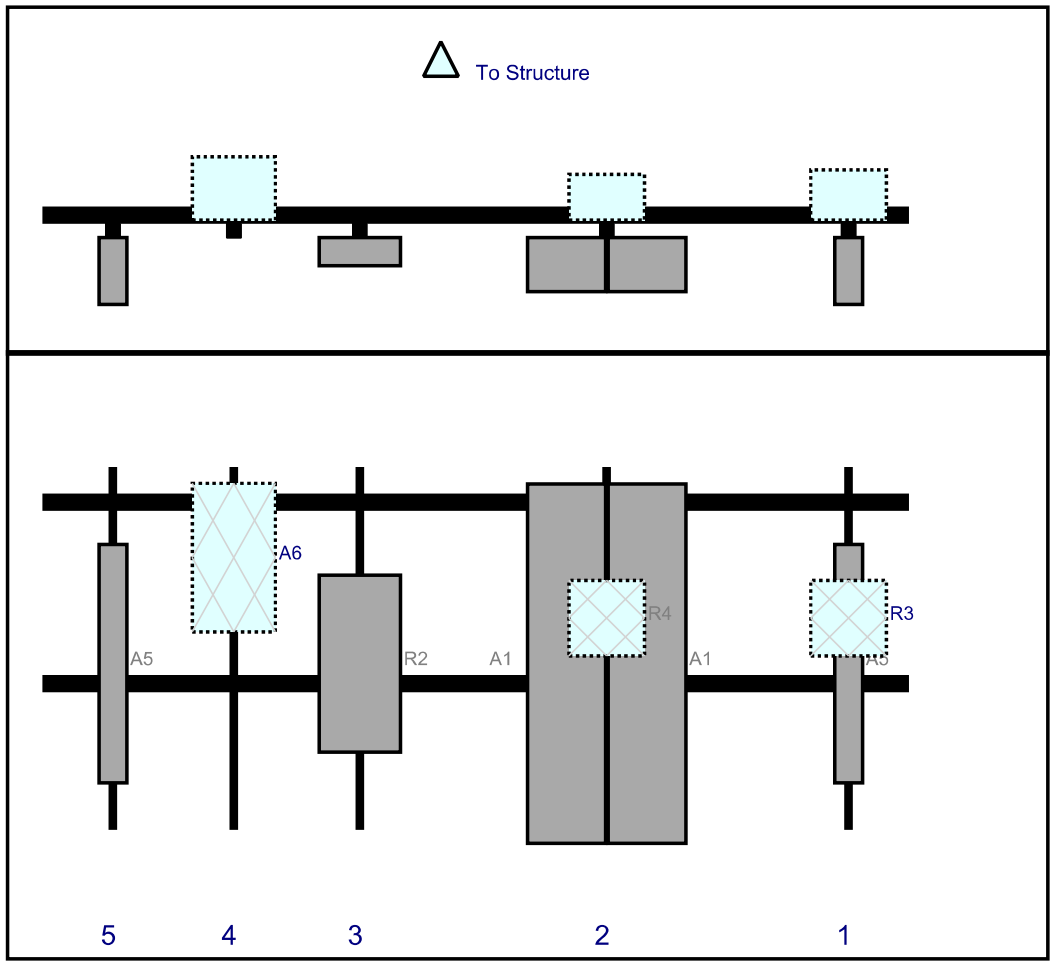
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	03/18/2021
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Added	
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Added	
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Added	
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Added	
A6	RHSDC-3315-PF-48	29.5	16.5	38	4	a	Behind	18	0	Retained	03/18/2021
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	03/18/2021

Plan View

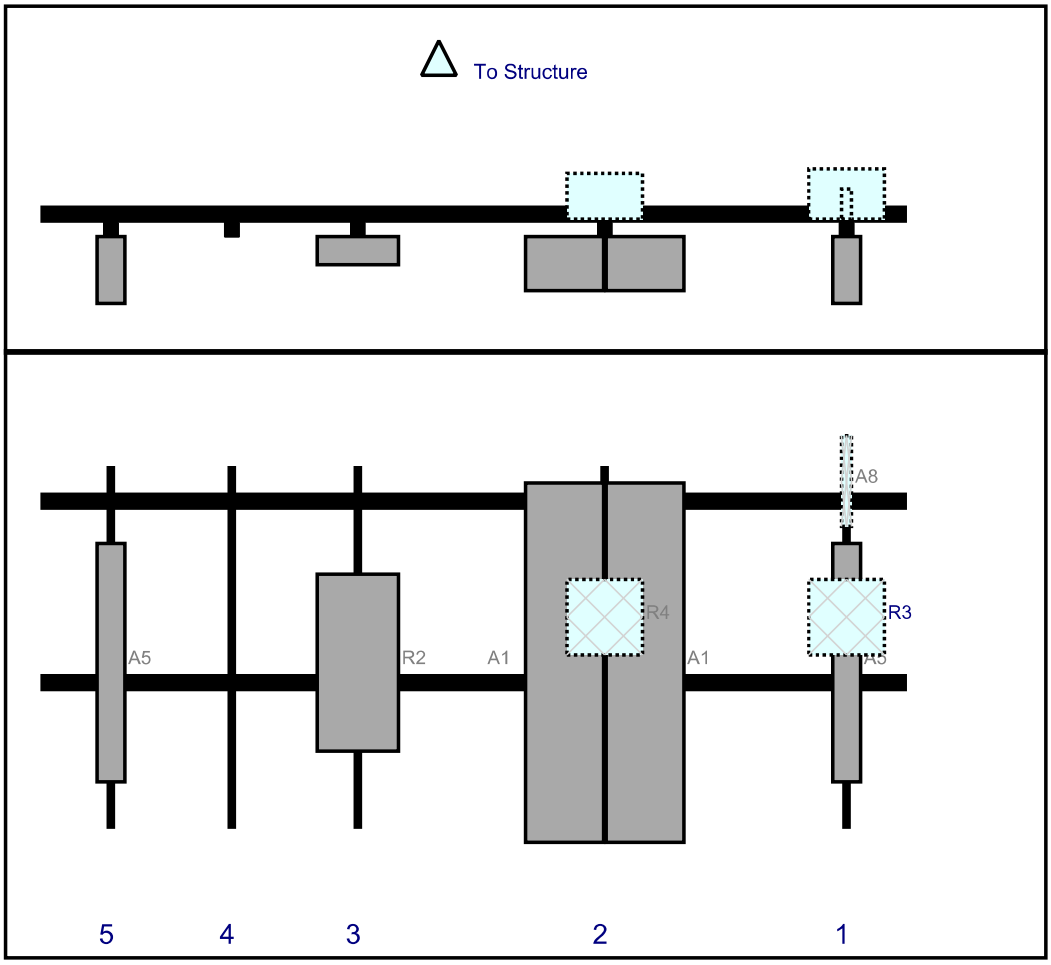
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	03/18/2021
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Added	
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Added	
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Added	
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Added	
A6	RHSDC-3315-PF-48	29.5	16.5	38	4	a	Behind	18	0	Retained	03/18/2021
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	03/18/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	03/18/2021
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Added	
A8	GPS	18	2	160	1	a	Behind	3	0	Retained	
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Added	
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Added	
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Added	
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	03/18/2021

Maser Consulting Connecticut

Subject	*TIA-222-H Adoption and Wind Speed Usage*	
Site Information	*Site ID:*	*468830-VZW / PLAINFIELD N CT*
	Site Name:	*PLAINFIELD N CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*548 Green Hollow Rd* *Plainfield, Connecticut 06374* *Windham County*
	Latitude:	*41.746003°*
	Longitude:	*-71.880158°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.33-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 14.33' PLATFORM

TOWER OWNER: SBA TOWERS
TOWER OWNER SITE NUMBER: CT0594

CARRIER SITE NAME: PLAINFIELD N CT
CARRIER SITE NUMBER: 468830
FUZE ID: 16272609

548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM COUNTY

LATITUDE: 41.746003° N
LONGITUDE: 71.880158° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 123 MPH
EXPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 307.52'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY D.186
SHORT TERM MCER GROUND MOTION, S_S = .054
LONG TERM MCER GROUND MOTION, S_1 = B

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: MASER CONSULTING
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10097864
VZW LOCATION CODE (PSLC): 468830
ANALYSIS DATE: 8/26/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	21777337A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/26/2021	ISSUED FOR CONSTRUCTION	ZDB	EA

STATE OF CONNECTICUT — ERIC ANDERSON — LICENSED PROFESSIONAL ENGINEER
Digitally signed by Eric Anderson
Date: 2021.08.26 15:56:55 -04'00'

SITE NAME:

PLAINFIELD N CT
468830

548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
15	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	210
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	291	291

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3			24" LONG, L3x3x1/4	GALVANIZED	9	27
3			156" LONG, P2 1/2 STD	GALVANIZED	75	225
6			6" LONG HSS 3X2 1/2X1/4	GALVANIZED	5	30
					TOTAL:	1023

VZWSMART KITS - APPROVED VENDORS

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

NOTES:

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

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SCALE:	JOB NUMBER:
AS SHOWN	21777337A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/26/2021	ISSUED FOR CONSTRUCTION	ZDB	EA

STATE OF CONNECTICUT · ERIC A. ANDERSON · LICENSED PROFESSIONAL ENGINEER
Digitally signed by Eric Anderson
Date: 2021.08.26 15:57:11-04'00'

SITE NAME:

PLAINFIELD N CT
468830

548 GREEN HOLLOW RD
PLAINFIELD, CT 06374
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

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

GENERAL NOTES

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

STRUCTURAL STEEL

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

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

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

WELDING NOTES

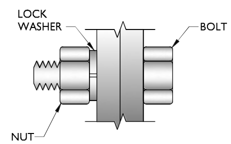
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING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

BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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

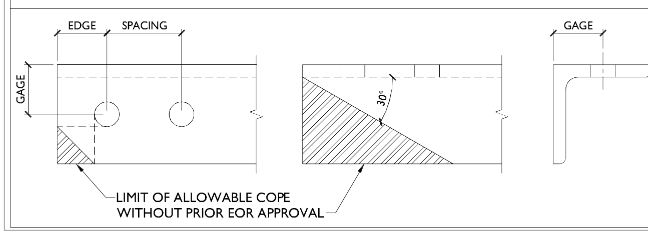


TYP. BOLT ASSEMBLY

NOTES:

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

ALLOWABLE COPING



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468830
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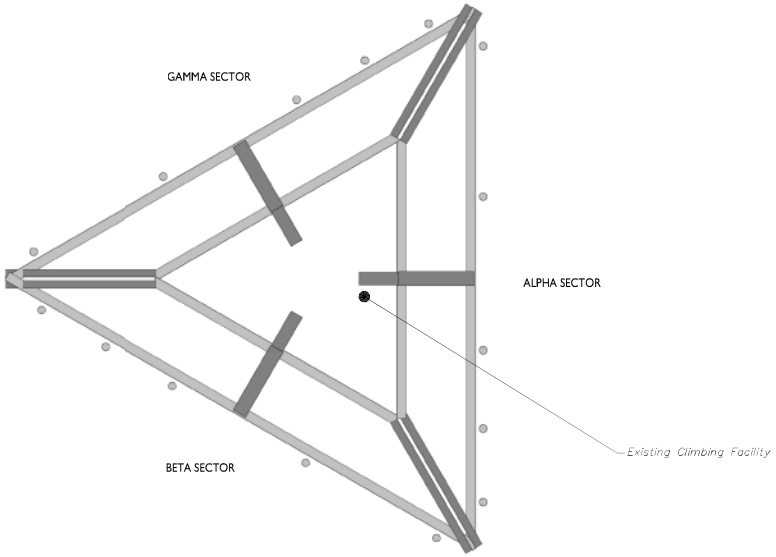
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

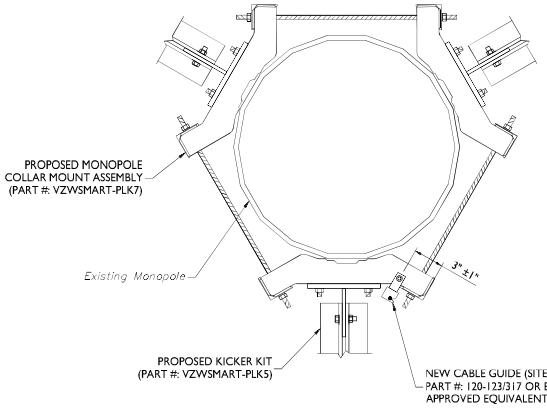
SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



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



2 CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS ON 3/18/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (124'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

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

CLIMBING FACILITY PHOTO

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WINDHAM COUNTY

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Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

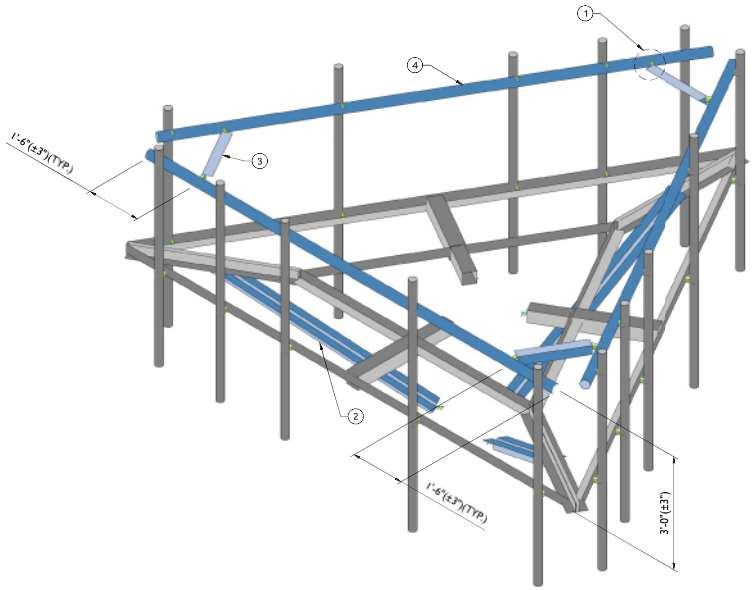
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

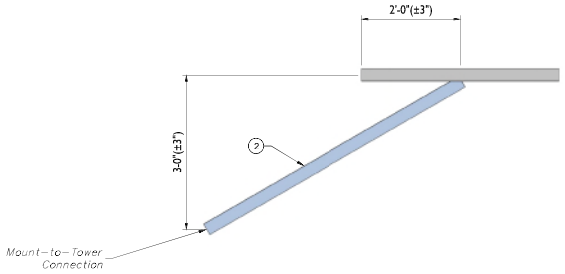
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	124'-6"	3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH 24" LONG L3X3X1/4 ANGLES	CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE DETAIL SS-1/3
3		3	24" LONG, L3x3x1/4	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.
4		3	156" LONG, P2 1/2 STD FACE HORIZONTAL	CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1). RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.

NOTES:

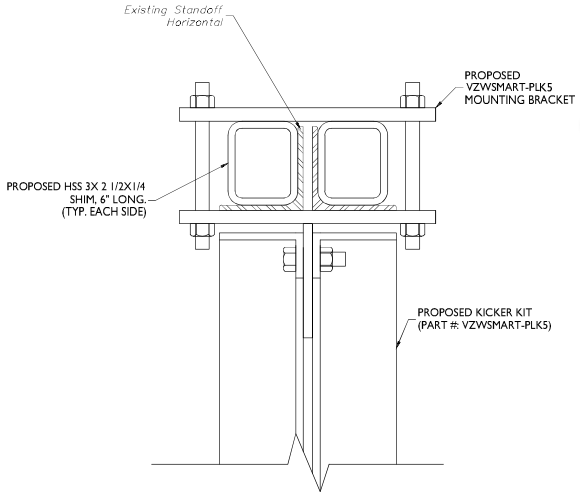
MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
CONTRACTOR TO RELOCATE MONOPOLE FEEDLINES AS NECESSARY FOR INSTALLATION OF PROPOSED MONOPOLE COLLAR AND KICKER KITS.
CONTRACTOR TO TRIM GRATING AS NECESSARY FOR PROPER INSTALLATION OF HSS SHIM MEMBERS AS DETAILED IN SS-1/3



1 PROPOSED ISOMETRIC VIEW
SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.



3 KICKER TO STANDOFF CONNECTION DETAIL
SCALE : N.T.S.

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SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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STATE OF CONNECTICUT
ERIC J. ANDERSON
LICENSED PROFESSIONAL ENGINEER

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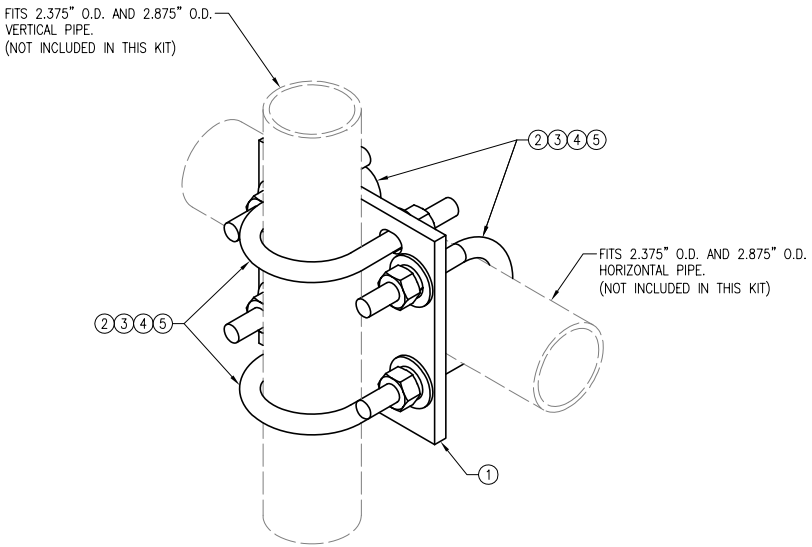
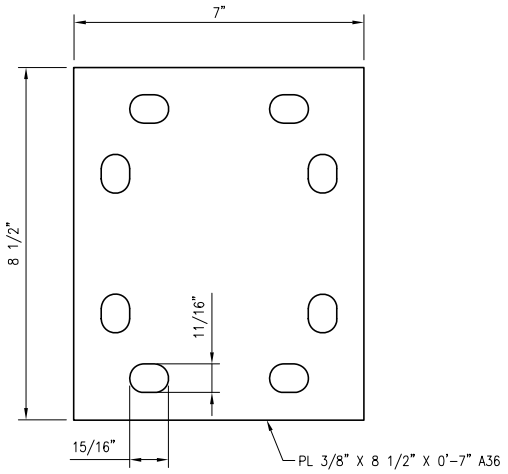
SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
SS-2





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

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

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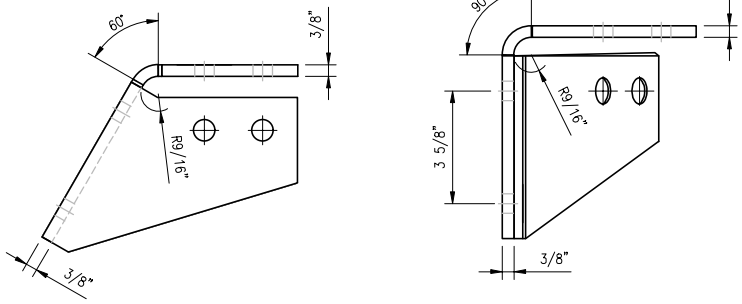
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

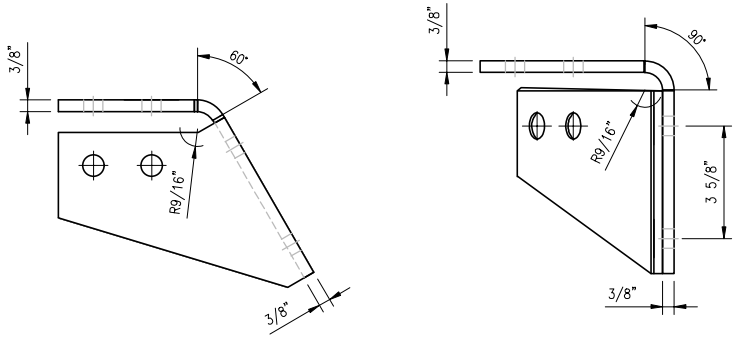
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



TOP VIEW SIDE VIEW

CBP-L



TOP VIEW SIDE VIEW

CBP-R

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

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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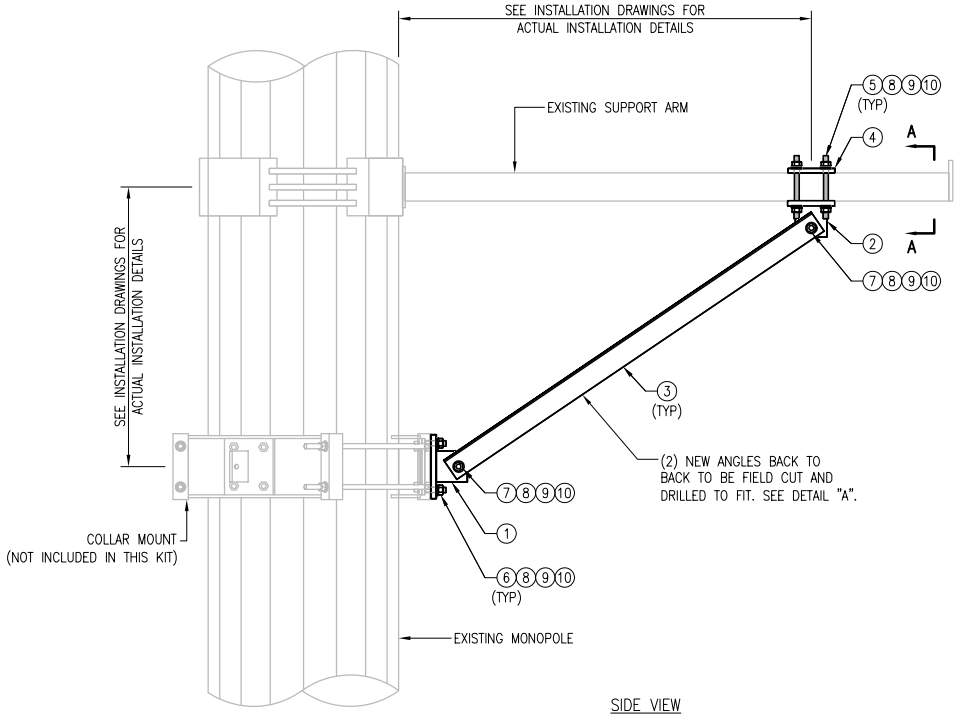
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

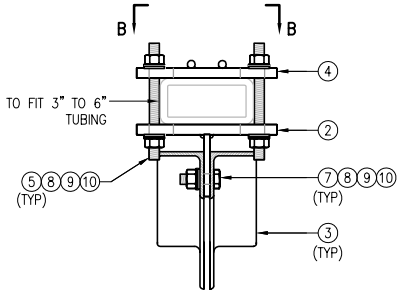
SHEET NUMBER: VZWSMART-PLK3

REV #: 0

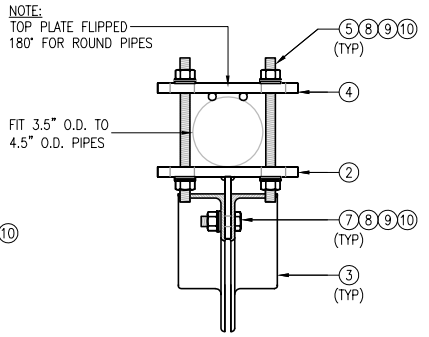
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



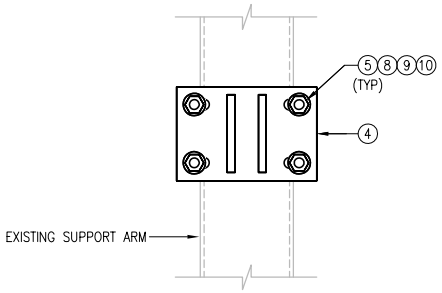
SIDE VIEW
KICKER KIT



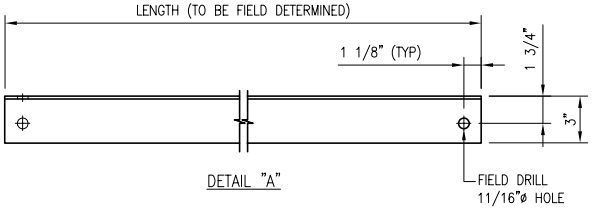
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

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

VZWSMART-PLK5 (KICKER KIT)

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

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DRAWN BY: MN | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
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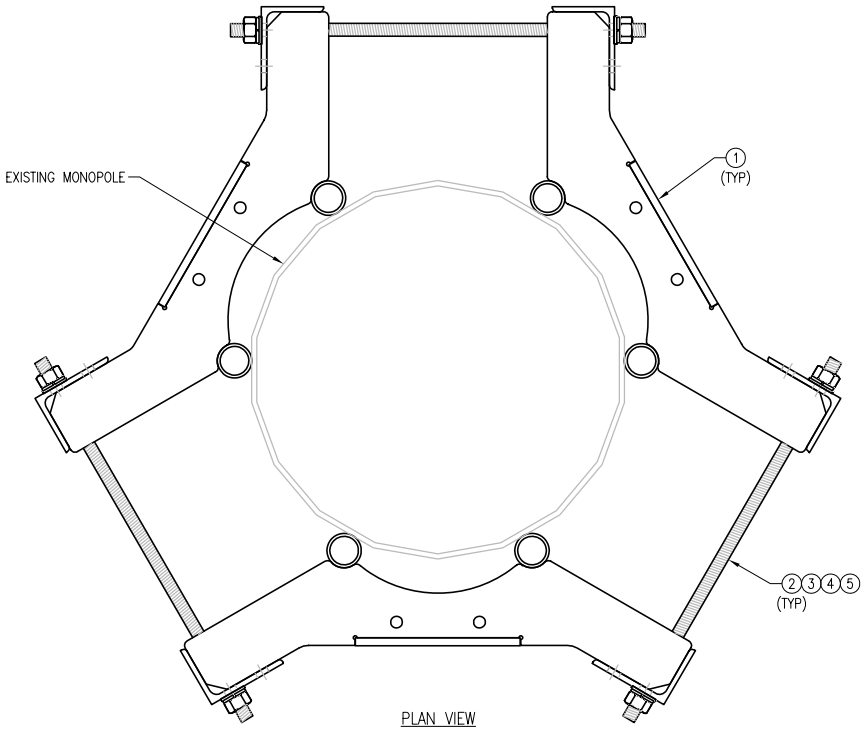
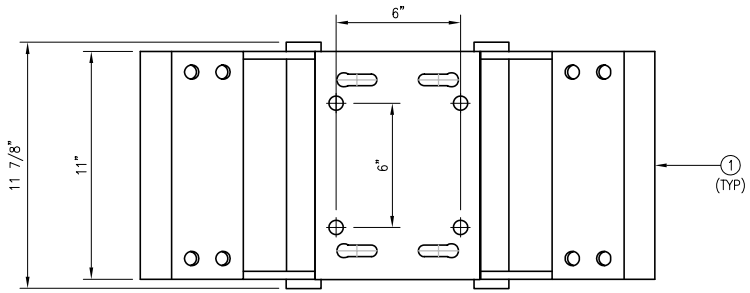
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

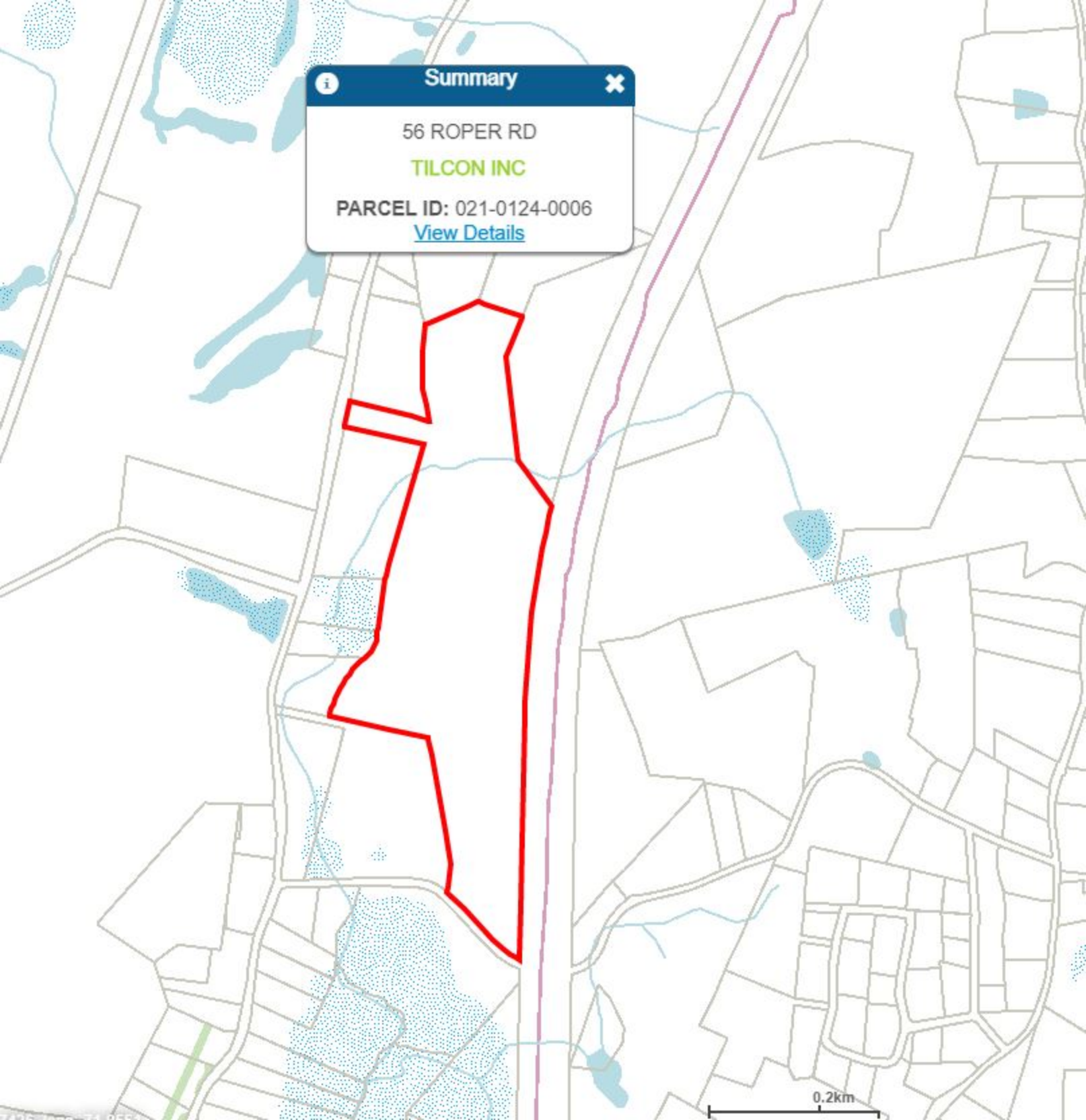
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0

ATTACHMENT 5


Summary
56 ROPER RD
TILCON INC
PARCEL ID: 021-0124-0006
View Details
0.2km

PLAINFIELD,CT

56 ROPER RD

Location
56 ROPER RD
Mblu
021/ 0124/ 0006/ /
Acct#
00276300
Owner
TILCON INC
Assessment
$324,870
Appraisal
$464,100
PID
3062
Building Count
1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2020	$54,000	$410,100	$464,100

Assessment

Valuation Year	Improvements	Land	Total

2020	$37,800	$287,070	$324,870

Owner of Record

Owner TILCON INC
Co-Owner
Address PO BOX 311228
NEWINGTON, CT 06131
Sale Price $0
Certificate
Book & Page 0277/0805
Sale Date 07/16/2001
Instrument 29

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TILCON INC	$0		0277/0805	29	07/16/2001
TILCON MINERALS INC	$0		0140/0268		07/30/1981
TILCON MINERALS	$0		0132/0853		04/26/1979

Building Information
Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes

Field	Description
Style:	Outbuildings
Model	
Grade:	

Stories:	
Occupancy:	
Exterior Wall 1:	
Exterior Wall 2:	
Roof Structure:	
Roof Cover:	
Interior Wall 1:	
Interior Wall 2:	
Interior Flr 1:	
Interior Flr 2:	
Heat Fuel:	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Baths:	
Half Baths:	
Extra Fixtures:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Fireplaces:	
Xtra Openings:	
Gas Fireplaces:	
Woodstove/Pellet	
Bsmt Gar:	
Num Park	
Fireplaces	

Color	
Basement:	
Fndtn Cndtn	
Basement	

Building Photo

Building Layout

Building Sub-Areas (sq ft) Legend

No Data for Building Sub-Areas

Extra Features

Extra Features Legend

No Data for Extra Features

Land

Land Use

Use Code	4400
Description	IND LD DV
Zone	IND
Neighborhood	4000
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	65.8
Frontage	
Depth	
Assessed Value	$287,070
Appraised Value	$410,100

Outbuildings

Outbuildings Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
TT4	Cell Tower			200.00 HEIGHT	$54,000	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2020	$54,000	$410,100	$464,100
2019	$54,000	$410,100	$464,100

Assessment

Valuation Year	Improvements	Land	Total
2020	$37,800	$287,070	$324,870
2019	$37,800	$287,070	$324,870

closecloseclose

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

PLAINFIELD NORTH

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 11/16/2021 US POSTAGE $002.99 ZIP 06103 041L12203037
	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.	Kevin M. Cunningham Town of Plainfield 8 Community Avenue Plainfield, CT 06374		ANN STREET STATION NOV 16 2021 06103 USPS		
2.	Mary Ann Chinatti, Town Planner Town of Plainfield 8 Community Avenue Plainfield, CT 06374				
3.	Tilcon Inc. P.O. Box 311228 Newington, CT 06131				
4.					
5.					
6.					