Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
Main (860) 275-8200
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Direct (860) 275-8345

Also admitted in Massachusetts
and New York

October 14, 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**
179 Norman Road (a/k/a 181A or 257 Norman Road), Griswold, 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 tower and associated equipment on the ground adjacent to the tower. The tower was approved by the Town of Griswold ("Town") in June of 1998. Cellco's use of the tower was approved by the Siting Council ("Council") in June of 1999 (EM-BAM-058-990609). A copy of the Town approval and EM-BAM-058-990609 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing twelve (12) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) MX06FRO660-03 antennas on Cellco's modified antenna mounts. Cellco also intends to install six (6) remote radio heads ("RRHs") behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Griswold'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 mounts.

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 mounting frames, 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:
Todd Babbitt, Griswold First Selectman
Mario Tristany, Jr., Town Planner
Ernest R. Norman, Et Al, Property Owner
Karla Hanna

ATTACHMENT 1

CT10012-A/GRISWOLD

Town of Griswold

TOWN HALL, 32 SCHOOL STREET
JEWETT CITY, CONNECTICUT 06351

SELECTMEN	376-7061
ASSESSOR	376-7071
TAX COLLECTOR	376-7068
SOCIAL SERVICES	376-7067
PUBLIC HEALTH NURSES	376-7077

TOWN CLERK	376-7063
BUILDING INSPECTOR	376-7065
PLANNING & ZONING	376-7073
BOOKKEEPING	376-7074
SANITARIAN	376-7065

PLANNING & ZONING COMMISSION

June 10, 1998

Wayne Kemp
1050 Buckley Highway
Union, CT 06076

Re: Wayne Kemp ZP 12-98
257 Norman Road, Griswold, CT

Dear Mr. Kemp:

The Griswold Planning & Zoning Commission, at it's Regular Meeting held on June 8 1998, reviewed the above-referenced Zoning Permit application to construct a 160-foot communication tower at 257 Norman Road on property owned by Ernest R. Norman, Stuart R. Norman and Priscilla Forschler.

Following a discussion on the matter, the commission voted to approve the application with the condition that all applicable FCC and FAA regulations governing the tower are followed. Please forward written documentation to Mario J. Tristany, Jr., Town Planner, that shows compliance with the afore-mentioned regulating agencies.

In addition, please be advised that it will be necessary for you to file one set of fixed line mylars, one set of regular mylars, and four sets of paper prints with original signatures and seals of your surveyor for endorsement by the undersigned. Please make sure that said mylars contain a signature line and date line.

Should you have any questions regarding the above, please contact Mario at (860)376-7084.

Very truly yours,

F. Clyde Seaman

F. Clyde Seaman
Chairman

cc: Peter Zvingilas, Z.E.O.
Cynthia Kata, Assessor
Ernest Norman
Stuart Norman

CERTIFIED: Z 307 862 685

(PZFY98II:\LETTERS\DL KEMP ZP 12-98 060898)

June 30, 1999

Sandy M. Carter
Manager-Regulatory
Bell Atlantic NYNEX Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

Re: EM-BAM-058-990609 – Bell Atlantic Mobile notice of intent to modify an existing telecommunications facility located at 257 Norman Road in Griswold, Connecticut.

Dear Ms. Carter:

At a public meeting held on June 23, 1999, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Griswold, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 9, 1999. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman
MAG/RKE/tsg

c: Honorable Paul J. Brycki, First Selectman, Town of Griswold

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

JEWETT CITY CT
257 NORMAN RD
GRISWOLD, CT 06351

PROJECT:
L-SUB6-CARRIER ADD

LOCATION MAP

SUPPORTING DOCUMENTS

RADIO FREQUENCY (RF) DESIGN: **08/13/21**
MOUNT MAPPING REPORT: **02/09/21 (BY HUDSON DESIGN GROUP)**
MOUNT ANALYSIS: **08/23/21 (BY MASER CONSULTING)**
STRUCTURAL ANALYSIS: **(SELF SUPPORT TOWER): 09/17/21 (BY SBA)**

PROJECT INFORMATION

SITE NAME:	JEWETT CITY CT
LOCATION CODE:	468232
SITE ADDRESS:	257 NORMAN RD GRISWOLD, CT 06351
LATITUDE:	41° 36' 05.35"N
LONGITUDE:	71° 57' 10.27"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-SUB 6 CARRIERS
2 - REPLACE (6) EXISTING ANTENNAS AT POSITIONS 2 & 4 WITH (6) NEW JMA MX06FRO660-03 ANTENNAS ON NEW 9190314-02 SBS MOUNTS TO POSITION 4 MOUNTED ON PROPOSED 96" LONG P2 STD MOUNT PIPE. RETAIN (3) CDMA ANTENNAS IN POSITIONS 1
3 - ADD (3) SAMSUNG MT6407-77A L-SUB6 ALL- IN-ONE ANTENNA/RRHS TO POSITION 2
4 - REPLACE (9) EXISTING NOKIA RRHS ON TOWER WITH (3) NEW SAMSUNG B5/B13 RRH-RF4440D-13A AND (3) NEW SAMSUNG B2/B66A RRH-RF4439D-25A
5 - UPGRADE OVP/HYBRIFLEX
6 - PLUMB 700/ 850/ PCS/ AWS/ L-SUB6 ACCORDING TO THE PLUMBING DIAGRAM
7 - USE RF PORTS ON DUAL BAND RRHS TO COMMUNICATE WITH RETS VIA SMART BIAS-T BUILT INTO THE ANTENNA
8 - CAP AND WEATHERPROOF UNUSED PORTS/CONNECTORS

SUMMARY:

- ADDING 9, REMOVING 6, RETAINING 3 (FINAL ANTENNA COUNT: 12)
- 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		
2	09/28/21	ISSUED FOR CONSTRUCTION
1	08/25/21	REVISED FOR REIVEW
0	08/11/21	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION

DESIGNED BY:	APPROVED BY:
KL	DC

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

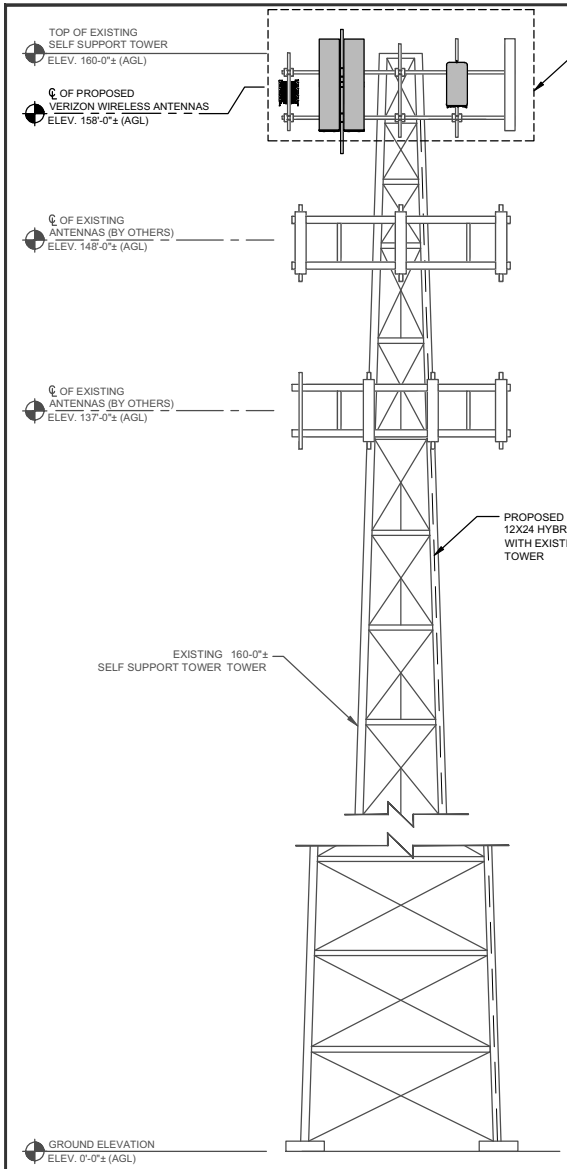
SITE NAME:
JEWETT CITY CT

SITE ADDRESS:
257 NORMAN RD
GRISWOLD, CT 06351
NEW LONDON

LOCATION CODE:
468232

SHEET TITLE:
TITLE SHEET

SHEET #: T-1 REVISION: 2



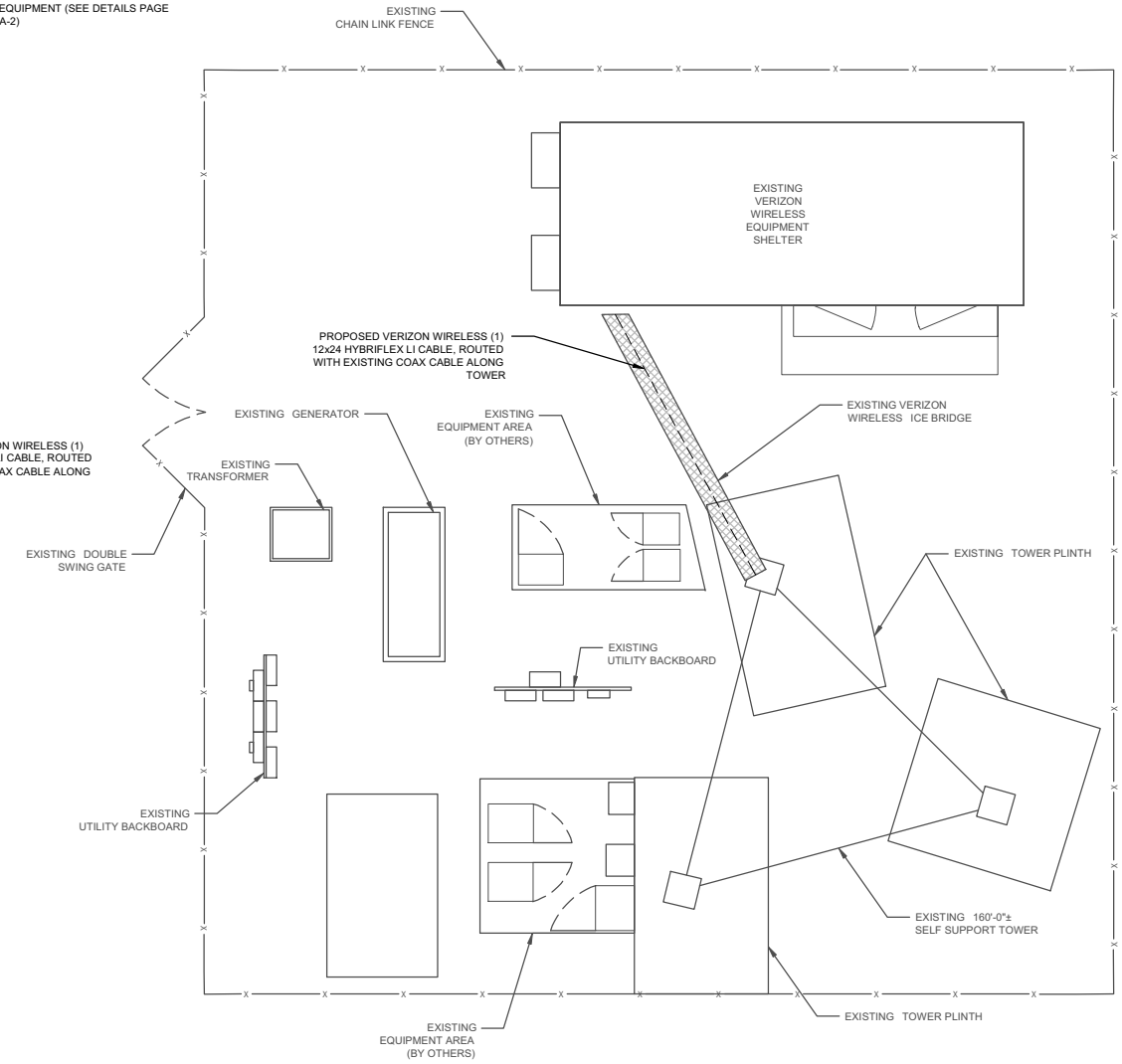
1 A-1 TOWER ELEVATION

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

GRAPHIC SCALE

4 0 2 4 8 16

(IN FEET)



NORTH

2 A-1 COMPOUND PLAN

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

GRAPHIC SCALE

4 0 2 4 8 16

(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
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DESIGNED BY:	APPROVED BY:
KL	DC

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

SITE NAME:
JEWETT CITY CT

SITE ADDRESS:
257 NORMAN RD
GRISWOLD, CT 06351
NEW LONDON

LOCATION CODE:
468232

SHEET TITLE:
PARTIAL ROOF PLAN &
SOUTH ELEVATION

SHEET #: A-1 REVISION: 2

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 THE MOUNT ANALYSIS BY MASER CONSULTING FOR ALL REQUIRED EQUIPMENT MODIFICATION INFORMATION.

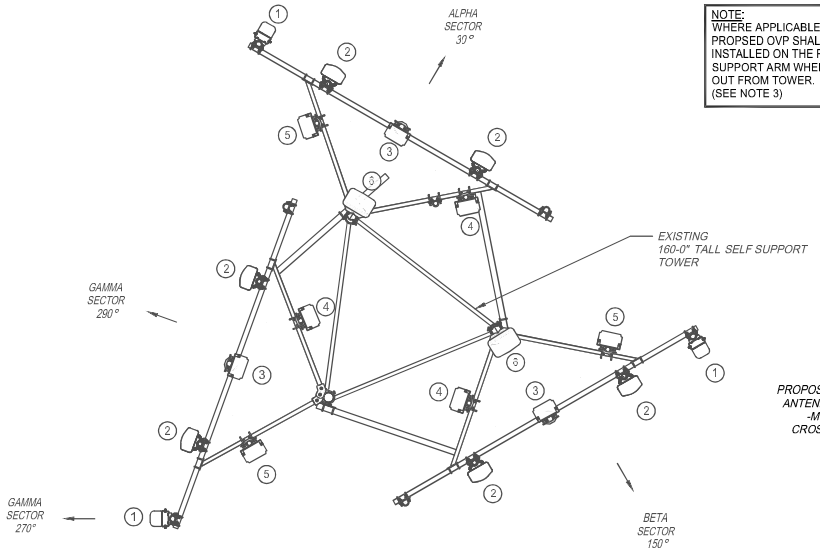
GENERAL ABBREVIATION LIST

- 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

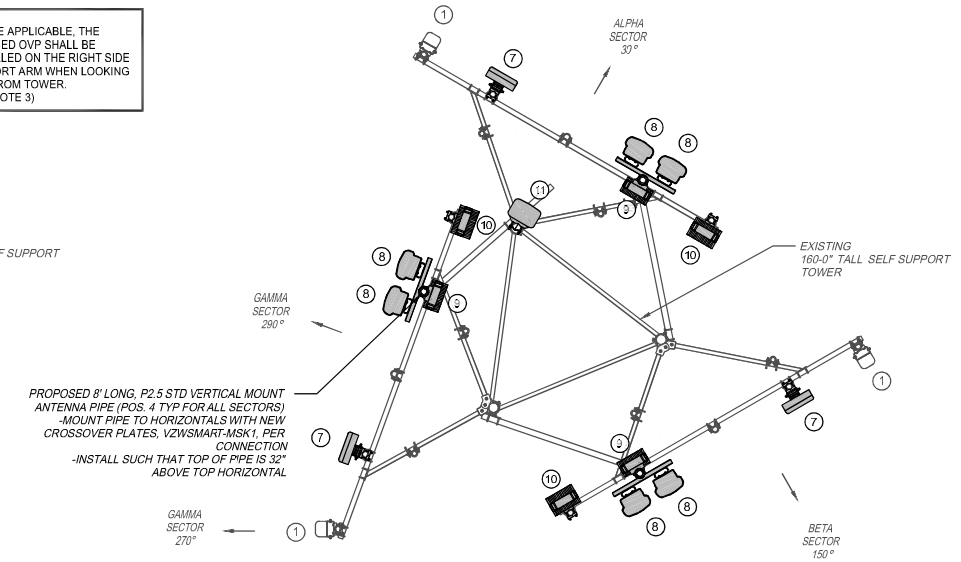
1. EXIST. ANTENNA (TO REMAIN) MODEL: AMPHENOL BXA-70080-4BF-EDIN-0
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW SBNHH-1D65B
3. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHBA B13 RRH 4X30
4. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHFA B25 RRH 4X30
5. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA UHIE B66A RRH 4X45
6. EXIST. OVP BOX (TO BE REPLACED) MODEL: RAYCAP OVP-6
7. NEW ANTENNA MODEL: SAMSUNG MT6407-77A MOUNTED ON EXIST. PIPE MAST
8. NEW ANTENNA MOUNTED VIA NEW DUAL-MOUNT BRACKETS (JMA 91900314-2) MODEL: JMA MX06FRO660-03
9. NEW DUAL BAND RRH MODEL: SAMSUNG B5/B13 RRH-RF4440D-13A
10. NEW DUAL BAND RRH MODEL: SAMSUNG B2/B66A RRH-RF4439D-25A
11. NEW OVP BOX MOUNTED TO EXISTING TOWER FRAME MODEL: RAYCAP OVP12

NOTE:
WHERE APPLICABLE, THE PROPSED OVP SHALL BE INSTALLED ON THE RIGHT SIDE SUPPORT ARM WHEN LOOKING OUT FROM TOWER.
(SEE NOTE 3)



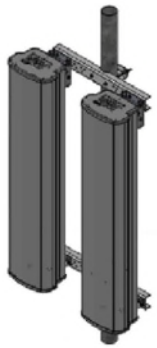
1 A-2 EXISTING ANTENNA PLAN
SCALE: 3/8" = 1'-0" (22"X34")
3/16" = 1'-0" (11"X17")

GRAPHIC SCALE
2'-8" 0 1'-4" 2'-8" 5'-4" 10'-8"
(IN FEET)



2 A-2 PROPOSED ANTENNA PLAN
SCALE: 3/8" = 1'-0" (22"X34")
3/16" = 1'-0" (11"X17")

GRAPHIC SCALE
2'-8" 0 1'-4" 2'-8" 5'-4" 10'-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
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STATE OF CONNECTICUT
DEREK J. CREASER
No. 28551
LICENSED PROFESSIONAL ENGINEER

SITE NAME:
JEWETT CITY CT

SITE ADDRESS:
257 NORMAN RD
GRISWOLD, CT 06351
NEW LONDON

LOCATION CODE:
468232

SHEET TITLE:
ANTENNA CONFIGURATION & SCOPE OF WORK

SHEET #: A-2 REVISION: 2

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 MX0FRO660-03) MOUNTED TO PROPOSED 8' LONG P2.5 STD VERTICAL MOUNT ANTENNA PIPE* VIA NEW DUAL MOUNT BRACKETS (91900314-02)
3	1x2 LI HYBRID CABLE	3	15'	ROUTE FROM NEW 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- RF440D-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	UPPER OVP12	1	-	NEW UPPER OVP MOUNTED TO EXISTING TOWER FRAME
9	12X24 HYBRIFLEX LI CABLE	1	200'	ROUTE FROM LOWER OVP RACK TO UPPER OVP BOX
10	LOWER OVP6	2	-	LOWER OVP RACK MOUNTED WITHIN EXISTING RACK IN EQUIPMENT AREA

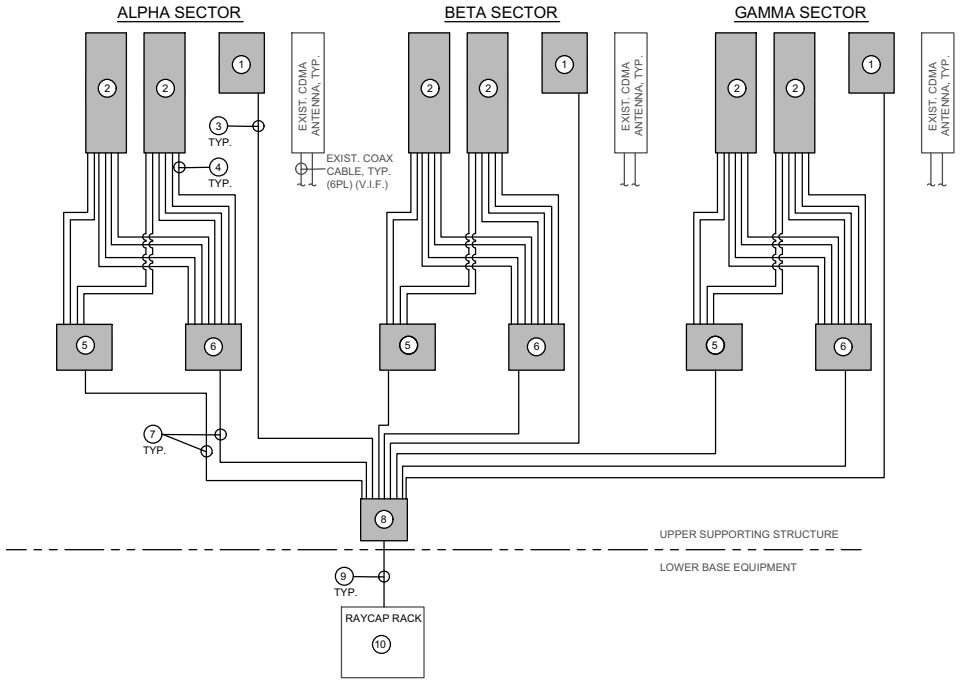
NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS DATED 08/13/21.
3. * REFER TO MOUNTING ANALYSIS BY MASER CONSULTING (WHERE APPLICABLE)

EQUIPMENT DATA

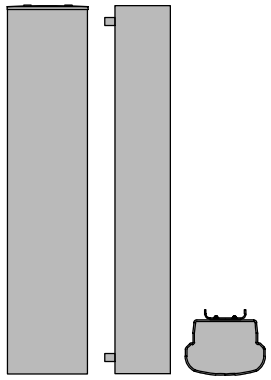
EQUIPMENT SPECIFICATIONS

SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	CDMA AMPHENOL BXA-70080-4BF-EDIN-0	1	30	ETR	71.0	11.2	5.2	17.0
	SAMSUNG MT6407-77A	1	30	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	30	NEW	72.0	13.8	6.2	64.4
	LTE 700/850/PCS/AWS JMAMX06FRO660-03	1	30	NEW	72.0	13.8	6.2	64.4
BETA	CDMA AMPHENOL BXA-70080-4BF-EDIN-0	1	150	ETR	71.0	11.2	5.2	17.0
	SAMSUNG MT6407-77A	1	150	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	150	NEW	72.0	13.8	6.2	64.4
	LTE 700/850/PCS/AWS JMAMX06FRO660-03	1	150	NEW	72.0	13.8	6.2	64.4
GAMMA	CDMA AMPHENOL BXA-70080-4BF-EDIN-0	1	270	ETR	71.0	11.2	5.2	17.0
	SAMSUNG MT6407-77A	1	290	NEW	35.1	16.1	5.5	87.1
	LTE 700/850/PCS/AWS JMA MX06FRO660-03	1	290	NEW	72.0	13.8	6.2	64.4
	LTE 700/850/PCS/AWS JMAMX06FRO660-03	1	290	NEW	72.0	13.8	6.2	64.4
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 OVP12	1	-	NEW				

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

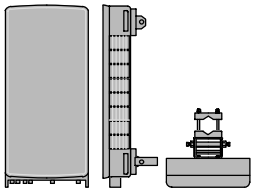


1 A-3 PLUMBING DIAGRAM N.T.S.



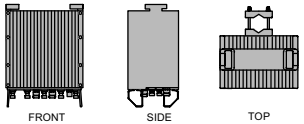
JMA MX06FRO660-03

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



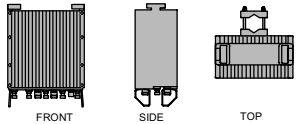
SAMSUNG MT6407-77A

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



SAMSUNG B2/B66A RRH- RF4439D-25A

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



SAMSUNG B5/B13 RRH- RF440D-13A

7 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

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STATE OF CONNECTICUT
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LICENSED PROFESSIONAL ENGINEER

SITE NAME:
JEWETT CITY CT

SITE ADDRESS:
257 NORMAN RD
GRISWOLD, CT 06351
NEW LONDON

LOCATION CODE:
468232

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

SHEET #: A-3 REVISION: 2

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	
BEFORE CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
N/A	ENGINEER OF RECORD APPROVED SHOP DRAWINGS [1]
N/A	MATERIAL SPECIFICATIONS REPORT [2]
N/A	FABRICATOR NDE INSPECTION
N/A	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
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
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	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		
2	09/28/21	ISSUED FOR CONSTRUCTION
1	08/25/21	REVISED FOR REIVEW
0	08/11/21	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:
JEWETT CITY CT

SITE ADDRESS:
257 NORMAN RD
GRISWOLD, CT 06351
NEW LONDON

LOCATION CODE:
468232

SHEET TITLE:
STRUCTURAL NOTES

SHEET #: SN-1 REVISION: 2

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

Model Code	RF4440d-13A

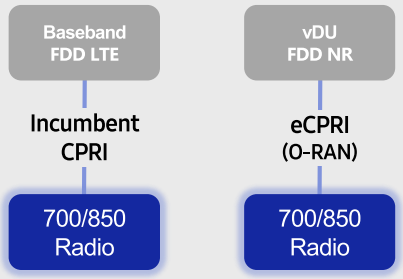
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

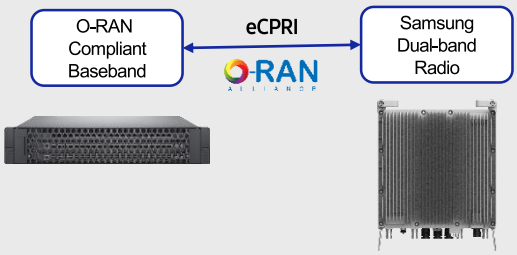
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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

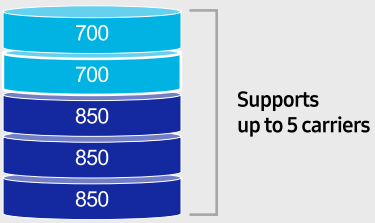
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

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

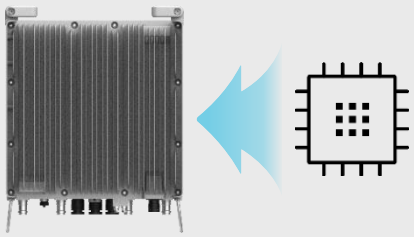
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

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



Technical Specifications

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

SAMSUNG

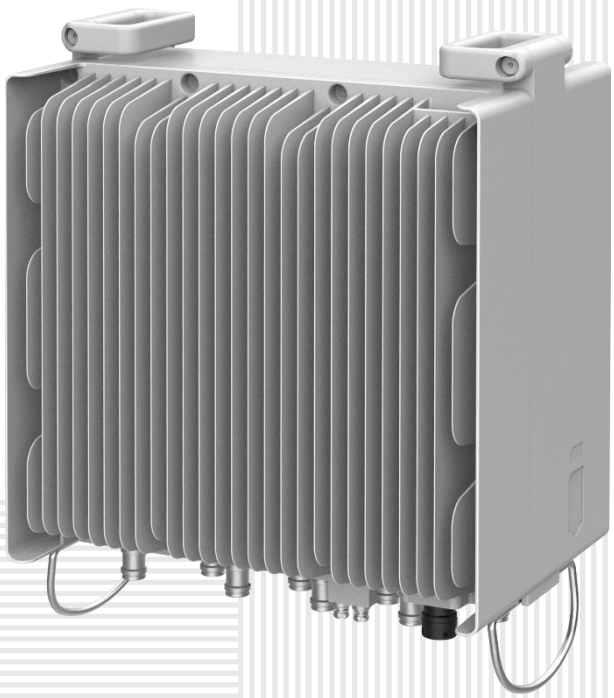
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

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

57196

Model Code	RF4439d-25A



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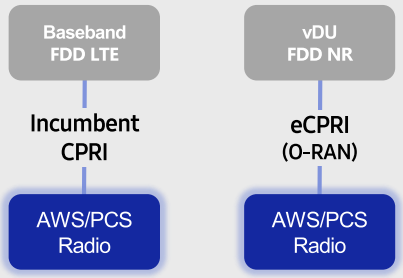

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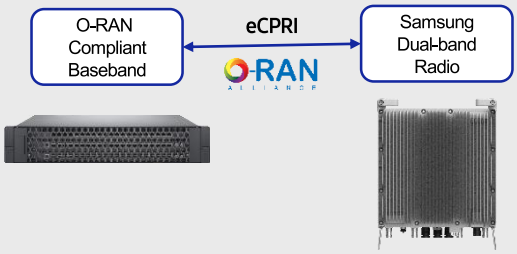
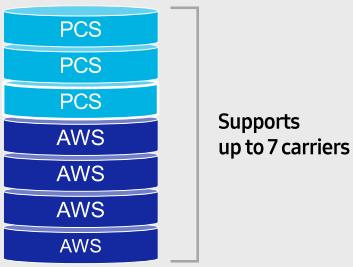


Optimum Spectrum Utilization

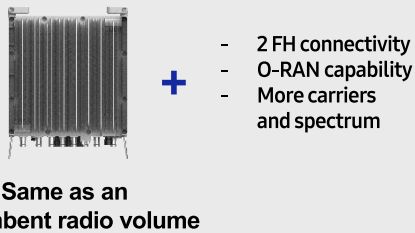
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

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



Brand New Features in a Compact Size

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



Technical Specifications

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

SAMSUNG

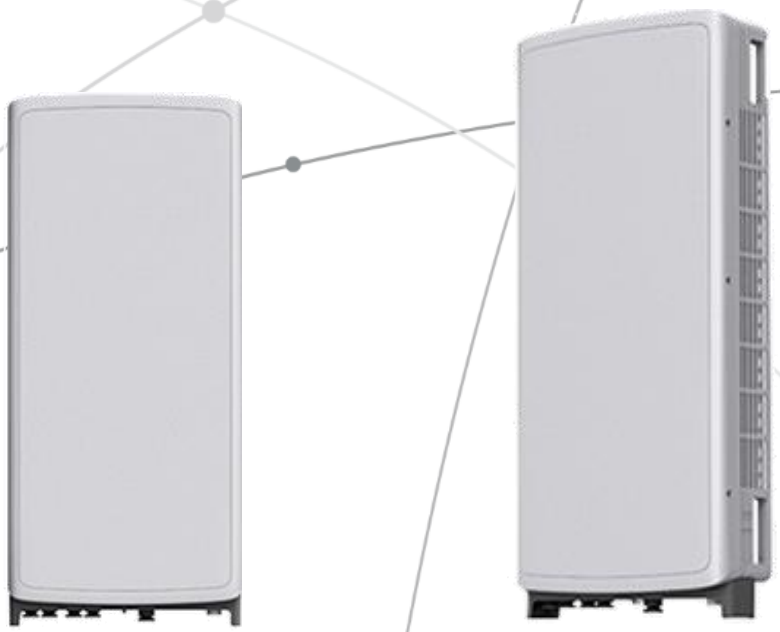
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

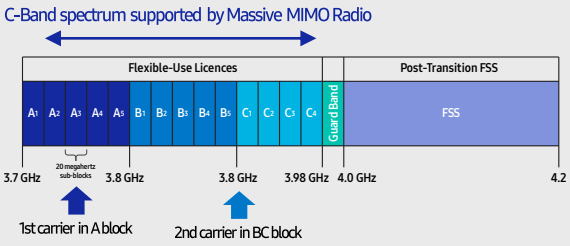


Points of Differentiation

Wide Bandwidth

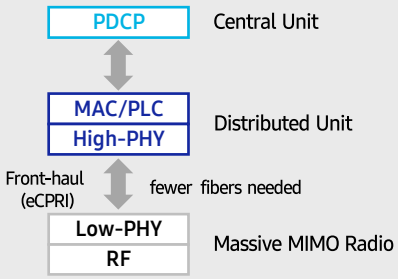
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

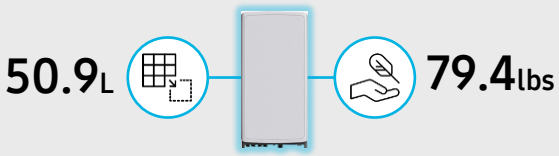
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

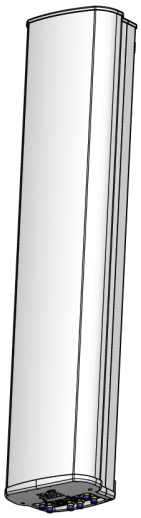
MX06FRO660-03

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

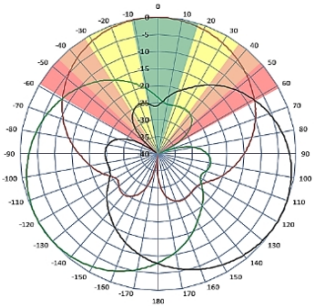


nwav

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



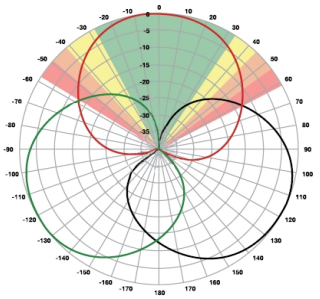
Large traditional antenna pattern overlap creates harmful interference.

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				

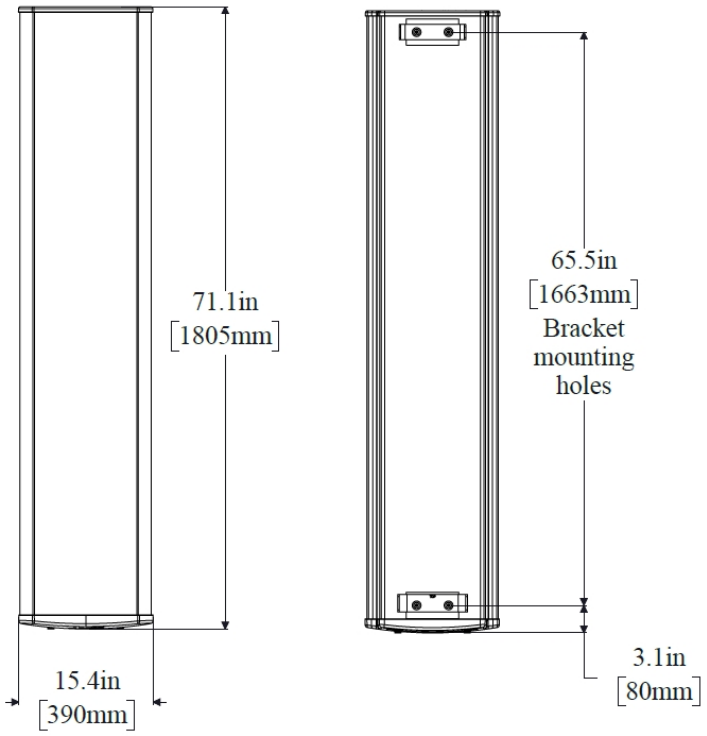
[1] Typical value over frequency and tilt

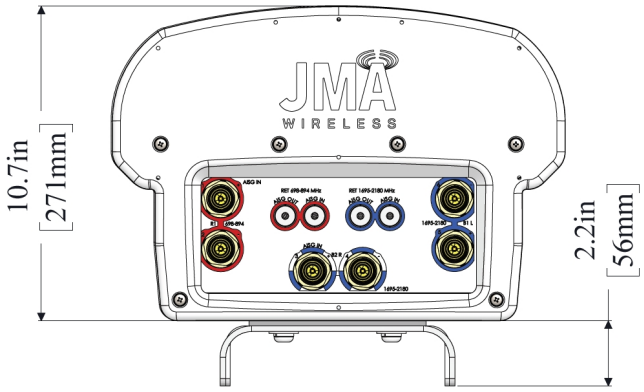
MX06FRO660-03

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

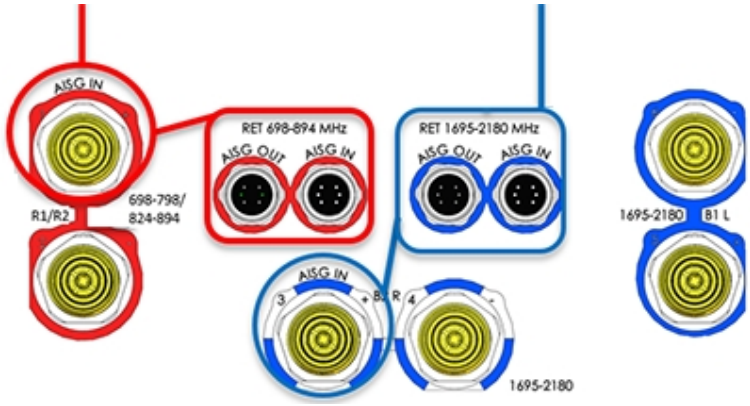
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

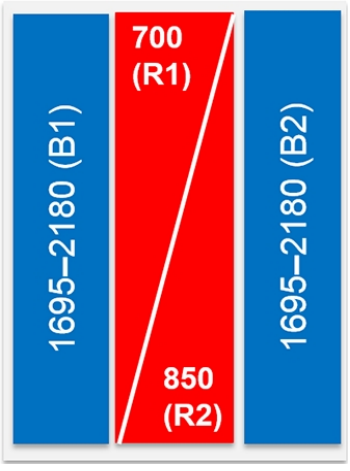


Array topology

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



ATTACHMENT 3

	General	Power	Density					
Site Name: Jewett City								
Tower Height: Verizon @ 158ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*MetroPCS	3	444	128	2140	0.0322	1.0000	0.32%	
*T-Mobile-PCS-LTE	2	2334	148	2100	0.0833	1.0000	0.83%	
*T-Mobile-GSM	2	592	148	600	0.0211	0.4000	0.53%	
*T-Mobile-PCS-LTE	1	1578	148	600	0.0281	0.4000	0.70%	
*T-Mobile-GSM	2	695	148	700	0.0248	0.4667	0.53%	
*T-Mobile-LTE	4	1053	148	1900	0.0751	1.0000	0.75%	
*T-Mobile-PCS-LTE	2	2105	148	1900	0.0751	1.0000	0.75%	
*T-Mobile-GSM	1	19239	148	2500	0.3431	1.0000	3.43%	
*T-Mobile-LTE	1	19239	148	2500	0.3431	1.0000	3.43%	
*AT&T	2	303	135	850	0.0131	0.5667	0.23%	
*AT&T	2	341	135	1900	0.0147	1.0000	0.15%	
*AT&T	2	2951	135	700	0.1275	0.4667	2.73%	
*AT&T	2	3664	135	1900	0.1584	1.0000	1.58%	
*AT&T	2	5070	135	2100	0.2191	1.0000	2.19%	
*Fire Dept	4	300	160	33	0.0182	0.2000	0.91%	
*Fire Dept	2	200	160	458	0.0061	0.3053	0.20%	
*Fire Dept	1	200	160	152	0.0030	0.2000	0.15%	
*Fire Dept	1	100	60	76	0.0123	0.2000	0.62%	
VZW 700	**4**	**623**	**158**	**751**	**0.0036**	**0.5007**	**0.72%**	
VZW CDMA	**2**	**494**	**158**	**877.26**	**0.0014**	**0.5848**	**0.24%**	
VZW Cellular	**4**	**623**	**158**	**874**	**0.0036**	**0.5827**	**0.62%**	
VZW PCS	**4**	**1428**	**158**	**1977.5**	**0.0082**	**1.0000**	**0.82%**	
VZW AWS	**4**	**1530**	**158**	**2120**	**0.0088**	**1.0000**	**0.88%**	
VZW CBAND	**4**	**6531**	**158**	**3730.08**	**0.0376**	**1.0000**	**3.76%**	
								27.07%
* 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 160 ft Rohn Self Supporting Tower

Customer Name: SBA Communications Corp

Customer Site Number: CT10012-A

Customer Site Name: Griswold 2, CT

Carrier Name: Verizon (App#: 169557-1)

Carrier Site ID / Name: 117858 / JEWETT_CITY_CT

Site Location: 181 A Norman Road

Griswold, Connecticut

New London County

Latitude: 41.601097

Longitude: -71.954325

Analysis Result:

Max Structural Usage: 83.8% [Pass]

Max Foundation Usage: 88.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: +0.3%

Report Prepared By: Mohammed Al Rubaye

Tower Engineering Solutions
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1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

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Analysis Result:

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Max Foundation Usage: 88.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification:

Report Prepared By: Mohammed Al Rubaye

Introduction

The purpose of this report is to summarize the analysis results on the 160 ft Rohn Self Supporting Tower 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	ROHN Drawing # A991242, Eng. File # 37696SP001, dated 04/06/1999
Foundation Drawing	FDH Project # 16BDGF1500 (Mapping), dated 03/03/2016
Geotechnical Report	FDH Project # 16BDCN1600, dated 03/04/2016
Modification Drawings	Allpro Consulting Group Job # 18-2070, dated 04/12/2018.
Mount Analysis	Maser Consulting Connecticut Project #: 20777643A (Rev. 1). Dated 08/23/2021

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the In accordance with this standard, the structure was analyzed using **TESTowers,** 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:	124.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Risk Category:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

This structural analysis is based upon the tower being classified as a Risk Category 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
			Decibel - 20' x 2" Dipole	Direct		Quinebaug
			Andrew - DB201-C - Omni			
			Commscope - SBNHH-1D65B - Panel	(3) Sector Frames (1) Sabre Universal Pipe Mount	Hybrid Fiber	Verizon
			Antel - BXA-70080-4CF-EDIN-0 - Panel			
			Alcatel Lucent - RH4x45-AWS - RRH			
			Alcatel Lucent - RH 2x60-700U - RRH			
			Alcatel-Lucent - RH 2x60-PCS - RRH			
			Panel	(3) Sector Frames	(6) 1 5/8" Fiber	T-Mobile
			RFS APXVAALL24-43-U-NA20-Panel			
			Ericsson AIR6449 B41-Panel			
			Ericsson 4449 B71 + B85-RRU			
			Ericsson 4415 B66-RRU			
			Ericsson 4424 B25-RRU			
			Powerwave - 7770 - Panel	(3) T-Frames (6) 2 1/2"x6" Mount Pipes	(1) 1/2" Fiber (1) 7/16" Fiber	
			Cci - HPA-65R-BUU-H6 - Panel			
			Cci - HPA-65R-BUU-H8 - Panel			
			KMW - EPBQ-654L8H6-L2 - Panel			
			KMW - EPBQ-654L8H8-L2 - Panel			
			Powerwave - LGP21903 - Diplexer			
			Ericsson - RRUS-11 - RRU			
			Ericsson - RRUS-12 - RRU			
			Ericsson - RRUS-32 - RRU			
			Ericsson - 4478 - RRU			
			Ericsson - RRUS A2 Module			
			Raycap - DC6-48-60-0-8F - SP			
			Raycap - DC6-48-60-18-8C - SP			
			Powerwave - LGP21401 - TMA			
			Yagi	Direct		Quinebaug
				Standoff		Verizon
			6' Trombone	Direct		Quinebaug

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
		6	JMA Wireless MX06FRO660-03 - Panel	(3) Modified Sector Frames	Hybrid	Verizon
			Samsung MT6407-77A - Panel			
		3	Antel - BXA-70080-4CF-EDIN-0 - Panel			
			Samsung RF4439d-25A - RRU			
			Samsung RF4440d-13A - RRU			
			Raycap RVDC-6627-PF-48 - OVP			

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

Analysis Results

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

Tower Component	Legs	Diagonals	Horizontals
Max. Usage:			
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Compression (Kips)	Uplift (Kips)	Shear (Kips)
Analysis Reactions			

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.

Service Load 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 0.3703 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

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

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.

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 . 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, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. 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, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

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.

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

Structure: CT10012-A-SBA

Site Name:	Griswold 2, CT			**Code:**	EIA/TIA-222-H	9/17/2021
Type:	Self Support	**Base Shape:**	Triangle	**Basic WS:**	124.00	
Height:	160.00 (ft)	**Base Width:**	20.96	**Basic Ice WS:**	50.00	
Base Elev:	0.00 (ft)	**Top Width:**	6.58	**Operational WS:**	60.00	Page: 1

IES Tower Engineering Solutions

Section Properties

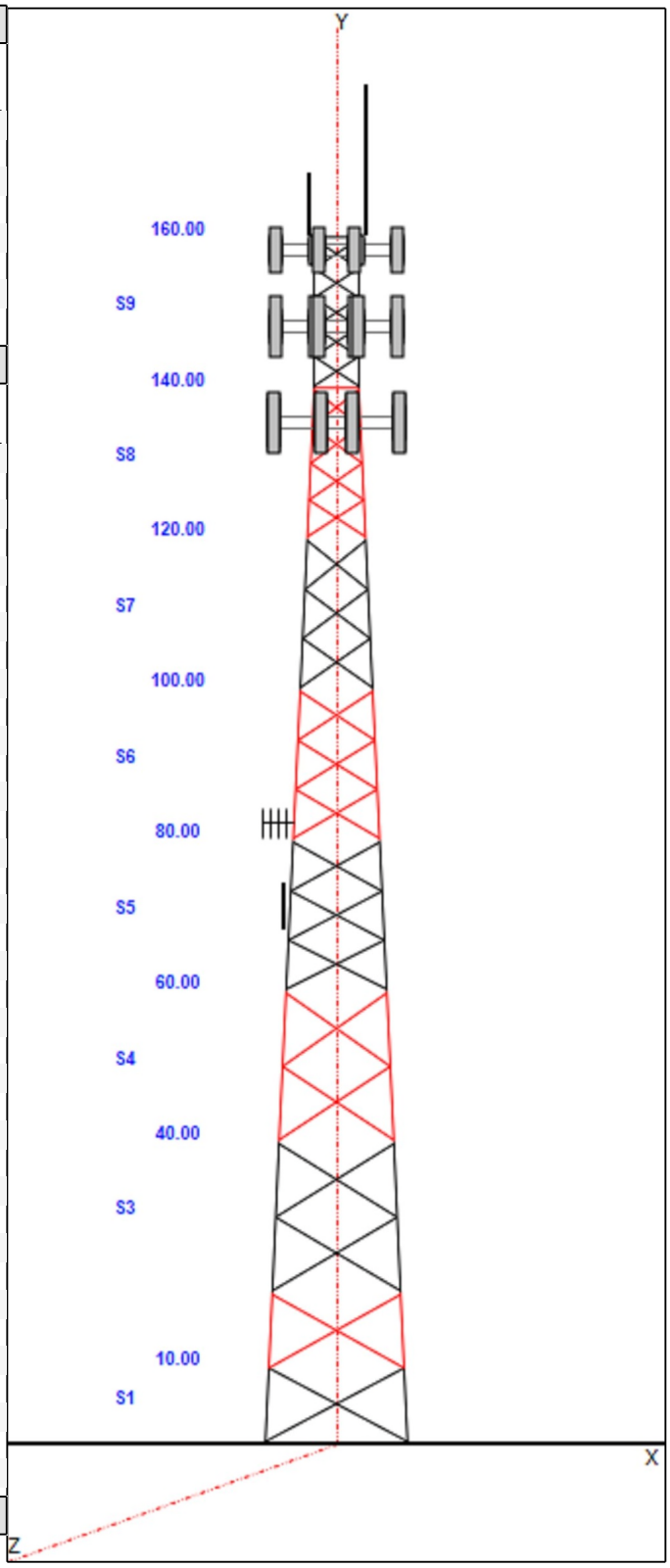
Sect	Leg Members	Diagonal Members	Horizontal Members
1	PX 6" DIA PIPE	MOD 2L3.5x3.5x1/4 Sp	
2-3	PX 6" DIA PIPE	SAE 3.5X3.5X0.25	
4	PSP ROHN 6 EHS	SAE 3.5X3.5X0.25	
5	PX 5" DIA PIPE	SAE 3X3X0.25	
6	PX 4" DIA PIPE	SAE 2.5X2.5X0.1875	
7	PX 3-1/2" DIA PIPE	SAE 2.5X2.5X0.1875	
8	PST 3" DIA PIPE	SAE 2X2X0.1875	SAE 2X2X0.1875
9	PST 2-1/2" DIA PIPE	SAE 1.75X1.75X0.1875	SAE 1.75X1.75X0.1875

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description
160.00	160.00	1	Beacon
160.00	170.00	2	20' Dipole
160.00	164.03	1	DB201-C
160.00	160.00	1	Lightning Rod
158.00	158.00	6	JMA Wireless MX06FRO660-03
158.00	158.00	3	Samsung MT6407-77A
158.00	158.00	3	JMA 91900314-02
158.00	158.00	3	Samsung RF4439d-25A
158.00	158.00	3	Samsung RF4440d-13A
158.00	158.00	1	Raycap RVDC-6627-PF-48
158.00	158.00	3	Sector Frame-Pipe/Rod
158.00	158.00	3	BXA-70080-4CF-EDIN-X
148.00	148.00	3	Sector Frames
148.00	148.00	3	APX16DWV-16DWVS-E-A20
148.00	148.00	3	APXVAALL24-43-U-NA20
148.00	148.00	3	AIR6449 B41
148.00	148.00	3	ATMAA1412D-1A20
148.00	148.00	3	4449 B71 + B85
148.00	148.00	3	4415 B66
148.00	148.00	3	4424 B25
135.00	135.00	3	Sector Frame-Pipe/Rod
135.00	135.00	6	7770.00
135.00	135.00	1	HPA-65R-BUU-H6
135.00	135.00	2	HPA-65R-BUU-H8
135.00	135.00	1	EPBQ-654L8H6-B
135.00	135.00	2	EPBQ-654L8H8-L2
135.00	135.00	6	LGP21903
135.00	135.00	3	RRUS-11
135.00	135.00	3	RRUS-12 1900 MHz
135.00	135.00	3	RRUS-32
135.00	135.00	3	RRUS 4478 B14
135.00	135.00	3	RRUS A2 Module
135.00	135.00	1	DC6-48-60-18-8F
135.00	135.00	1	DC6-48-60-18-8F
135.00	130.00	6	LGP21401
82.00	82.00	1	4' Yagi
68.00	71.00	1	6' Dipole

Linear Appurtenances

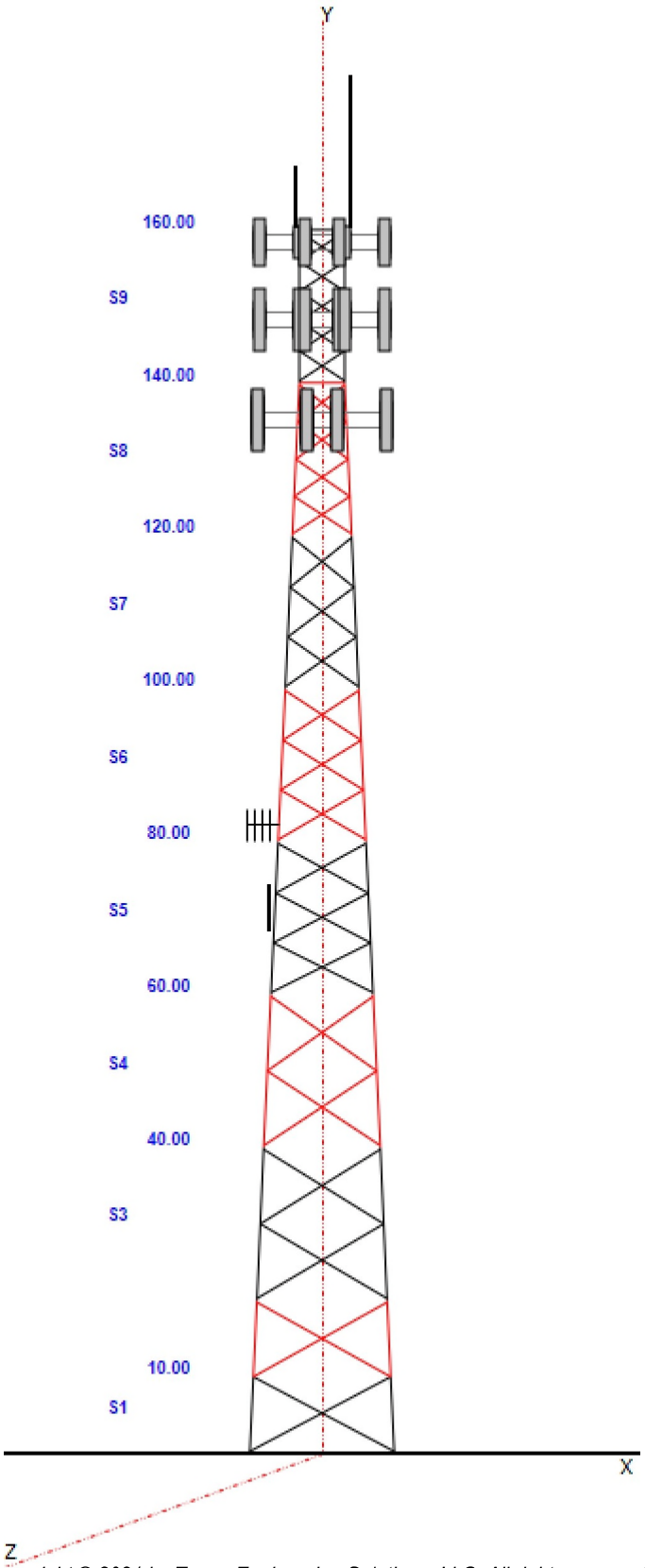
Elev From (ft)	Elev To (ft)	Qty	Description
0.00	160.00	1	1/2" Coax



0.00	160.00	2	7/8" Coax
0.00	158.00	6	1 5/8" Coax
0.00	158.00	6	1 5/8" Coax
0.00	158.00	1	1 5/8" Hybrid
0.00	158.00	1	W/G Ladder
0.00	148.00	6	1 5/8" Coax
0.00	148.00	6	1 5/8" Fiber
0.00	148.00	1	W/G Ladder
0.00	135.00	12	1 1/4" Coax
0.00	135.00	1	1/2" Fiber
0.00	135.00	4	3/4" DC
0.00	135.00	1	7/16" Fiber
0.00	135.00	1	W/G Ladder
0.00	82.00	1	1/2" Coax
0.00	76.00	1	1/2" Coax
0.00	68.00	1	1/2" Coax

Base Reactions

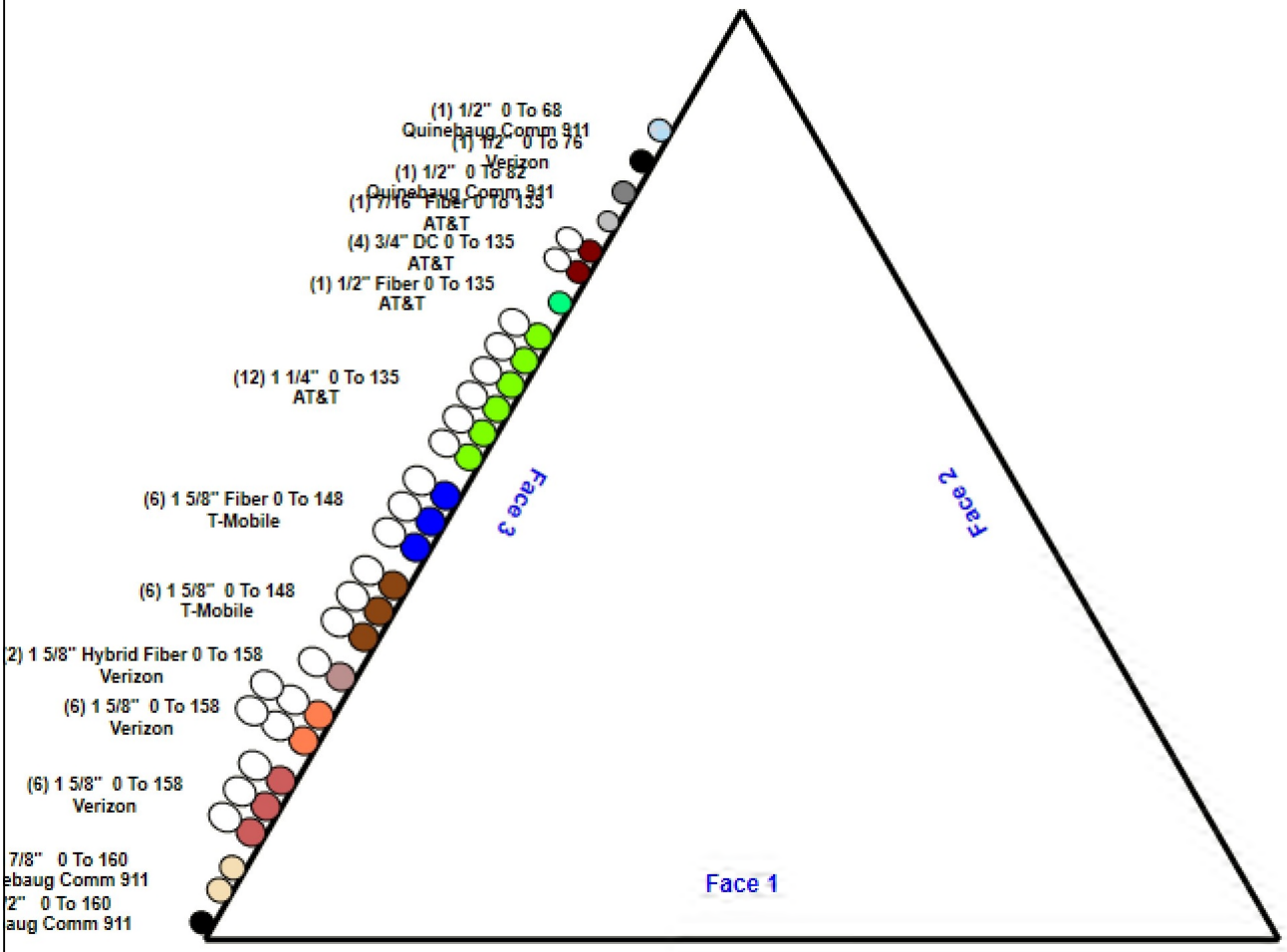
Leg		Overturning	
Max Uplift:	-228.79 (kips	Moment:	4550.32 (ft-kips)
Max Down:	264.23 (kips	Total Down:	40.64 (kips)
Max Shear:	28.58 (kips	Total Shear:	46.69 (kips)



Structure: CT10012-A-SBA - Coax Line Placement

Type: Self Support
Site Name: Griswold 2, CT
Height: 160.00 (ft)

9/17/2021



Loading Summary

Structure:	CT10012-A-SBA		**Code:**	EIA/TIA-222-H	9/17/2021
Site Name:	Griswold 2, CT		**Exposure:**	C	
Height:	160.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	0.85	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Discrete Appurtenances Properties

Attach Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	Ice Weight (lb)	Ice CaAa (sf)	Len (in)	Width (in)	Depth (in)	Ka	Orientation Factor	Vert Ecc (ft)
160.00	Beacon	1	36.00	2.720	124.80	3.353	28.000	17.500	17.500	1.00	1.00	0.000
160.00	20' Dipole	2	60.00	7.520	207.83	15.443	240.000	3.000	3.000	1.00	1.00	10.00
160.00	DB201-C	1	25.00	2.860	85.17	9.093	96.800	0.000	0.000	1.00	1.00	4.033
160.00	Lightning Rod	1	5.00	0.500	18.96	1.663	72.000	1.000	1.000	1.00	1.00	0.000
158.00	JMA Wireless MX06FRO660-03	6	46.00	9.870	216.26	10.770	71.300	15.400	10.700	0.80	0.87	0.000
158.00	Samsung MT6407-77A	3	79.40	4.690	153.61	5.315	35.100	16.100	5.500	0.80	0.70	0.000
158.00	JMA 91900314-02	3	25.35	0.000	37.15	0.000	0.000	0.000	0.000	1.00	1.00	0.000
158.00	Samsung RF4439d-25A	3	84.40	1.870	131.42	2.241	15.000	15.000	10.000	0.80	0.67	0.000
158.00	Samsung RF4440d-13A	3	70.30	1.870	112.69	2.241	15.000	15.000	8.100	0.80	0.67	0.000
158.00	Raycap RVDC-6627-PF-48	1	32.00	4.060	107.95	4.608	29.500	16.500	12.600	0.80	0.67	0.000
158.00	Sector Frame-Pipe/Rod	3	450.00	17.000	684.56	22.696	0.000	0.000	0.000	0.75	0.75	0.000
158.00	BXA-70080-4CF-EDIN-X	3	12.00	3.560	70.91	4.791	47.500	8.000	6.100	0.80	0.90	0.000
148.00	Sector Frames	3	400.00	10.000	586.16	15.817	0.000	0.000	0.000	0.75	0.75	0.000
148.00	APX16DWV-16DWVS-E-A20	3	40.70	6.610	118.74	8.062	55.900	13.300	3.100	0.80	0.62	0.000
148.00	APXVAALL24-43-U-NA20	3	128.00	20.240	394.91	21.491	95.900	24.000	7.800	0.80	0.70	0.000
148.00	AIR6449 B41	3	103.00	5.650	194.41	6.284	33.100	20.500	8.300	0.80	0.71	0.000
148.00	ATMAA1412D-1A20	3	13.00	1.170	30.72	1.692	12.000	10.000	4.000	0.80	0.67	0.000
148.00	4449 B71 + B85	3	73.20	1.970	111.70	2.350	17.900	13.200	10.600	0.80	0.67	0.000
148.00	4415 B66	3	46.30	1.860	83.15	2.222	16.500	13.500	5.900	0.80	0.67	0.000
148.00	4424 B25	3	46.00	1.640	73.40	1.984	15.000	13.200	5.400	0.80	0.67	0.000
135.00	Sector Frame-Pipe/Rod	3	450.00	14.000	681.22	18.625	0.000	0.000	0.000	0.75	0.75	0.000
135.00	7770.00	6	35.00	5.500	119.99	6.176	55.000	11.000	5.000	0.80	0.77	0.000
135.00	HPA-65R-BUU-H6	1	51.00	9.660	206.31	10.542	72.000	14.800	9.000	0.80	0.83	0.000
135.00	HPA-65R-BUU-H8	2	68.00	12.980	258.96	14.022	92.400	14.800	7.400	0.80	0.79	0.000
135.00	EPBQ-654L8H6-B	1	54.90	8.270	184.89	9.108	73.000	12.000	7.400	0.80	0.84	0.000
135.00	EPBQ-654L8H8-L2	2	98.10	18.090	371.33	19.310	96.000	21.000	6.300	0.80	0.69	0.000
135.00	LGP21903	6	5.50	0.270	11.04	0.531	4.400	6.300	3.000	0.80	0.50	0.000
135.00	RRUS-11	3	51.00	2.520	98.50	2.936	17.000	17.800	7.200	0.80	0.67	0.000
135.00	RRUS-12 1900 MHz	3	60.00	2.700	108.83	3.407	18.200	17.800	6.000	0.80	0.67	0.000
135.00	RRUS-32	3	77.00	3.870	147.65	4.758	29.900	13.300	9.500	0.80	0.67	0.000
135.00	RRUS 4478 B14	3	59.40	1.650	86.65	1.991	15.000	13.200	7.300	0.80	0.67	0.000
135.00	RRUS A2 Module	3	21.20	1.860	44.93	2.500	12.800	15.000	3.400	0.80	0.67	0.000
135.00	DC6-48-60-18-8F	1	31.80	0.920	72.43	1.208	24.000	11.000	11.000	0.80	1.00	0.000
135.00	DC6-48-60-18-8F	1	31.80	0.920	72.43	1.208	24.000	11.000	11.000	0.80	1.00	0.000
135.00	LGP21401	6	14.10	1.290	30.53	1.839	14.400	9.200	2.600	0.80	0.50	-5.000
82.00	4' Yagi	1	15.00	4.900	106.86	13.117	48.000	48.000	3.000	1.00	1.00	0.000
68.00	6' Dipole	1	20.00	2.220	61.71	3.887	72.000	3.000	3.000	1.00	1.00	3.000
	Totals:	**100**	**8,229.05**		**16,838.57**						**Number of Appurtenances :**	**37**

Linear Appurtenances Properties

Elev. From (ft)	Elev. To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out of Zone	Spacing (in)	Orientation Factor	Ka Override
0.00	160.00	1/2" Coax	1	0.65	0.16	100.00	3	Individual IR		N	0.50	1.00	0
0.00	160.00	7/8" Coax	2	1.11	0.52	100.00	3	Individual NR		N	0.50	1.00	0
0.00	158.00	1 5/8" Coax	6	1.98	1.04	50.00	3	Block		N	0.50	1.00	
0.00	158.00	1 5/8" Coax	6	1.98	1.04	33.30	3	Block		N	0.50	1.00	
0.00	158.00	1 5/8" Hybrid	1	2.00	1.10	100.00	3	Individual NR		N	0.50	1.00	
0.00	158.00	W/G Ladder	1	0.50	6.00	100.00	3	Individual NR		N	0.50	1.00	
0.00	148.00	1 5/8" Coax	6	1.98	1.04	50.00	3	Block		N	0.50	1.00	
0.00	148.00	1 5/8" Fiber	6	2.00	1.10	50.00	3	Block		N	0.50	1.00	
0.00	148.00	W/G Ladder	1	0.50	6.00	100.00	3	Individual NR		N	0.50	1.00	
0.00	135.00	1 1/4" Coax	12	1.55	0.66	50.00	3	Block		N	0.50	1.00	
0.00	135.00	1/2" Fiber	1	0.50	0.16	100.00	3	Individual NR		N	0.50	1.00	
0.00	135.00	3/4" DC	4	0.75	0.40	50.00	3	Block		N	0.50	1.00	
0.00	135.00	7/16" Fiber	1	0.44	0.16	100.00	3	Individual NR		N	0.50	1.00	
0.00	135.00	W/G Ladder	1	0.50	6.00	100.00	3	Individual NR		N	0.50	1.00	
0.00	82.00	1/2" Coax	1	0.65	0.16	100.00	3	Individual NR		N	0.50	1.00	0
0.00	76.00	1/2" Coax	1	0.65	0.16	100.00	3	Individual NR		N	0.50	1.00	0
0.00	68.00	1/2" Coax	1	0.65	0.16	100.00	3	Individual NR		N	0.50	1.00	0

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W Normal Wind — 1.2D + 1.0W 124 mph Wind at Normal To Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.20

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	1.00	1.00	0.00	17.55	40.33	0.00	3,589.5	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	1.00	1.00	0.00	17.51	40.33	0.00	2,608.9	0.0	1210.88	780.27	1,991.16
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	1.00	1.00	0.00	33.06	80.67	0.00	5,105.6	0.0	2623.49	1803.36	4,426.85
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	1.00	1.00	0.00	30.76	80.67	0.00	4,546.4	0.0	2685.79	2008.11	4,693.89
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	1.00	1.00	0.00	31.05	79.80	0.00	4,451.8	0.0	2865.28	2155.17	5,020.45
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	1.00	1.00	0.00	24.01	77.53	0.00	3,299.5	0.0	2378.63	2271.32	4,649.95
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	1.00	1.00	0.00	21.26	77.42	0.00	3,002.9	0.0	2173.02	2369.28	4,542.30
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	1.00	1.00	0.00	19.21	71.07	0.00	2,474.5	0.0	1988.91	2239.59	4,228.50
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	1.00	1.00	0.00	17.18	35.26	0.00	1,683.5	0.0	1828.53	1056.33	2,884.86
														30,762.4	**0.0**			**34,348.92**

Load Case: 1.2D + 1.0W 60° Wind — 1.2D + 1.0W 124 mph Wind at 60° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.20

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	0.80	1.00	0.00	17.55	40.33	0.00	3,589.5	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	0.80	1.00	0.00	15.04	40.33	0.00	2,608.9	0.0	1040.05	780.27	1,820.32
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	0.80	1.00	0.00	28.43	80.67	0.00	5,105.6	0.0	2256.27	1803.36	4,059.62
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	0.80	1.00	0.00	26.54	80.67	0.00	4,546.4	0.0	2317.42	2008.11	4,325.53
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	0.80	1.00	0.00	26.61	79.80	0.00	4,451.8	0.0	2456.05	2155.17	4,611.21
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	0.80	1.00	0.00	20.76	77.53	0.00	3,299.5	0.0	2056.45	2271.32	4,327.76
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	0.80	1.00	0.00	18.44	77.42	0.00	3,002.9	0.0	1884.77	2369.28	4,254.05
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	0.80	1.00	0.00	16.68	71.07	0.00	2,474.5	0.0	1726.21	2239.59	3,965.80
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	0.80	1.00	0.00	14.83	35.26	0.00	1,683.5	0.0	1578.77	1056.33	2,635.10
														30,762.4	**0.0**			**31,910.37**

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 90° Wind — 1.2D + 1.0W 124 mph Wind at 90° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	0.85	1.00	0.00	17.55	40.33	0.00	3,589.5	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	0.85	1.00	0.00	15.66	40.33	0.00	2,608.9	0.0	1082.76	780.27	1,863.03
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	0.85	1.00	0.00	29.59	80.67	0.00	5,105.6	0.0	2348.07	1803.36	4,151.43
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	0.85	1.00	0.00	27.60	80.67	0.00	4,546.4	0.0	2409.51	2008.11	4,417.62
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	0.85	1.00	0.00	27.72	79.80	0.00	4,451.8	0.0	2558.35	2155.17	4,713.52
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	0.85	1.00	0.00	21.57	77.53	0.00	3,299.5	0.0	2136.99	2271.32	4,408.31
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	0.85	1.00	0.00	19.15	77.42	0.00	3,002.9	0.0	1956.83	2369.28	4,326.11
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	0.85	1.00	0.00	17.31	71.07	0.00	2,474.5	0.0	1791.88	2239.59	4,031.48
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	0.85	1.00	0.00	15.42	35.26	0.00	1,683.5	0.0	1641.21	1056.33	2,697.54
														30,762.4	**0.0**			**32,520.01**

Load Case: 0.9D + 1.0W Normal Wind — 0.9D + 1.0W 124 mph Wind at Normal To Face

Wind Load Factor: 1.00
Dead Load Factor: 0.90
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	1.00	1.00	0.00	17.55	40.33	0.00	2,692.1	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	1.00	1.00	0.00	17.51	40.33	0.00	1,956.7	0.0	1210.88	780.27	1,991.16
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	1.00	1.00	0.00	33.06	80.67	0.00	3,829.2	0.0	2623.49	1803.36	4,426.85
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	1.00	1.00	0.00	30.76	80.67	0.00	3,409.8	0.0	2685.79	2008.11	4,693.89
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	1.00	1.00	0.00	31.05	79.80	0.00	3,338.8	0.0	2865.28	2155.17	5,020.45
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	1.00	1.00	0.00	24.01	77.53	0.00	2,474.6	0.0	2378.63	2271.32	4,649.95
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	1.00	1.00	0.00	21.26	77.42	0.00	2,252.2	0.0	2173.02	2369.28	4,542.30
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	1.00	1.00	0.00	19.21	71.07	0.00	1,855.9	0.0	1988.91	2239.59	4,228.50
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	1.00	1.00	0.00	17.18	35.26	0.00	1,262.6	0.0	1828.53	1056.33	2,884.86
														23,071.8	**0.0**			**34,348.92**

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 60° Wind — 0.9D + 1.0W 124 mph Wind at 60° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 0.90

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	0.80	1.00	0.00	17.55	40.33	0.00	2,692.1	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	0.80	1.00	0.00	15.04	40.33	0.00	1,956.7	0.0	1040.05	780.27	1,820.32
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	0.80	1.00	0.00	28.43	80.67	0.00	3,829.2	0.0	2256.27	1803.36	4,059.62
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	0.80	1.00	0.00	26.54	80.67	0.00	3,409.8	0.0	2317.42	2008.11	4,325.53
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	0.80	1.00	0.00	26.61	79.80	0.00	3,338.8	0.0	2456.05	2155.17	4,611.21
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	0.80	1.00	0.00	20.76	77.53	0.00	2,474.6	0.0	2056.45	2271.32	4,327.76
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	0.80	1.00	0.00	18.44	77.42	0.00	2,252.2	0.0	1884.77	2369.28	4,254.05
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	0.80	1.00	0.00	16.68	71.07	0.00	1,855.9	0.0	1726.21	2239.59	3,965.80
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	0.80	1.00	0.00	14.83	35.26	0.00	1,262.6	0.0	1578.77	1056.33	2,635.10
														23,071.8	**0.0**			**31,910.37**

Load Case: 0.9D + 1.0W 90° Wind — 0.9D + 1.0W 124 mph Wind at 90° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 0.90

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	28.10	0.000	35.76	0.00	0.17	2.70	0.85	1.00	0.00	17.55	40.33	0.00	2,692.1	0.0	1130.69	780.27	1,910.96
2	15.0	28.10	12.351	11.06	0.00	0.12	2.90	0.85	1.00	0.00	15.66	40.33	0.00	1,956.7	0.0	1082.76	780.27	1,863.03
3	30.0	32.47	23.140	22.12	0.00	0.12	2.87	0.85	1.00	0.00	29.59	80.67	0.00	3,829.2	0.0	2348.07	1803.36	4,151.43
4	50.0	36.16	21.096	22.12	0.00	0.13	2.84	0.85	1.00	0.00	27.60	80.67	0.00	3,409.8	0.0	2409.51	2008.11	4,417.62
5	70.0	38.81	22.170	18.58	0.00	0.14	2.80	0.85	1.00	0.00	27.72	79.80	0.00	3,338.8	0.0	2558.35	2155.17	4,713.52
6	90.0	40.92	16.261	15.03	0.00	0.13	2.85	0.85	1.00	0.00	21.57	77.53	0.00	2,474.6	0.0	2136.99	2271.32	4,408.31
7	110.0	42.69	14.103	13.36	0.00	0.14	2.82	0.85	1.00	0.00	19.15	77.42	0.00	2,252.2	0.0	1956.83	2369.28	4,326.11
8	130.0	44.22	12.689	11.69	0.00	0.15	2.75	0.85	1.00	0.00	17.31	71.07	0.00	1,855.9	0.0	1791.88	2239.59	4,031.48
9	150.0	45.57	11.730	9.58	0.00	0.16	2.75	0.85	1.00	0.00	15.42	35.26	0.00	1,262.6	0.0	1641.21	1056.33	2,697.54
														23,071.8	**0.0**			**32,520.01**

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi Normal Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 1.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	4.57	0.000	44.77	9.01	0.21	2.56	1.00	1.00	0.83	26.17	52.75	12.42	5,707.0	2117.5	259.90	192.84	452.74
2	15.0	4.57	12.351	20.84	9.78	0.17	2.72	1.00	1.00	0.92	24.21	54.20	13.86	4,683.0	2074.0	255.48	201.80	457.28
3	30.0	5.28	23.140	42.19	20.08	0.18	2.68	1.00	1.00	0.99	47.22	110.38	29.72	9,465.2	4359.7	567.89	477.54	1,045.43
4	50.0	5.88	21.096	42.04	19.91	0.19	2.63	1.00	1.00	1.04	45.17	111.94	31.27	9,000.1	4453.8	593.57	540.82	1,134.39
5	70.0	6.31	22.170	42.21	23.63	0.22	2.52	1.00	1.00	1.08	46.61	112.14	29.47	9,103.6	4651.9	630.18	584.60	1,214.78
6	90.0	6.65	16.261	37.21	22.18	0.22	2.54	1.00	1.00	1.11	37.76	110.69	22.48	7,428.5	4129.1	541.73	622.36	1,164.08
7	110.0	6.94	14.103	33.99	20.63	0.24	2.48	1.00	1.00	1.13	33.88	111.26	22.56	6,976.6	3973.7	495.12	652.23	1,147.34
8	130.0	7.19	12.689	34.40	22.71	0.29	2.32	1.00	1.00	1.15	33.21	102.61	21.03	6,260.7	3786.2	470.36	610.93	1,081.29
9	150.0	7.41	11.730	33.45	23.86	0.32	2.24	1.00	1.00	1.16	32.00	50.39	15.13	4,445.4	2762.0	451.25	287.53	738.78
														63,070.2	**32307.8**			**8,436.13**

Load Case: 1.2D + 1.0Di + 1.0Wi 60° Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 1.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	4.57	0.000	44.77	9.01	0.21	2.56	0.80	1.00	0.83	26.17	52.75	12.42	5,707.0	2117.5	259.90	192.84	452.74
2	15.0	4.57	12.351	20.84	9.78	0.17	2.72	0.80	1.00	0.92	21.74	54.20	13.86	4,683.0	2074.0	229.42	201.80	431.22
3	30.0	5.28	23.140	42.19	20.08	0.18	2.68	0.80	1.00	0.99	42.59	110.38	29.72	9,465.2	4359.7	512.23	477.54	989.77
4	50.0	5.88	21.096	42.04	19.91	0.19	2.63	0.80	1.00	1.04	40.96	111.94	31.27	9,000.1	4453.8	538.13	540.82	1,078.95
5	70.0	6.31	22.170	42.21	23.63	0.22	2.52	0.80	1.00	1.08	42.17	112.14	29.47	9,103.6	4651.9	570.23	584.60	1,154.83
6	90.0	6.65	16.261	37.21	22.18	0.22	2.54	0.80	1.00	1.11	34.51	110.69	22.48	7,428.5	4129.1	495.07	622.36	1,117.43
7	110.0	6.94	14.103	33.99	20.63	0.24	2.48	0.80	1.00	1.13	31.06	111.26	22.56	6,976.6	3973.7	453.90	652.23	1,106.13
8	130.0	7.19	12.689	34.40	22.71	0.29	2.32	0.80	1.00	1.15	30.67	102.61	21.03	6,260.7	3786.2	434.41	610.93	1,045.35
9	150.0	7.41	11.730	33.45	23.86	0.32	2.24	0.80	1.00	1.16	29.66	50.39	15.13	4,445.4	2762.0	418.17	287.53	705.70
														63,070.2	**32307.8**			**8,082.12**

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 11	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 90° Wind — 1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Dead Load Factor: 1.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	4.57	0.000	44.77	9.01	0.21	2.56	0.85	1.00	0.83	26.17	52.75	12.42	5,707.0	2117.5	259.90	192.84	452.74
2	15.0	4.57	12.351	20.84	9.78	0.17	2.72	0.85	1.00	0.92	22.36	54.20	13.86	4,683.0	2074.0	235.94	201.80	437.73
3	30.0	5.28	23.140	42.19	20.08	0.18	2.68	0.85	1.00	0.99	43.75	110.38	29.72	9,465.2	4359.7	526.14	477.54	1,003.69
4	50.0	5.88	21.096	42.04	19.91	0.19	2.63	0.85	1.00	1.04	42.01	111.94	31.27	9,000.1	4453.8	551.99	540.82	1,092.81
5	70.0	6.31	22.170	42.21	23.63	0.22	2.52	0.85	1.00	1.08	43.28	112.14	29.47	9,103.6	4651.9	585.21	584.60	1,169.82
6	90.0	6.65	16.261	37.21	22.18	0.22	2.54	0.85	1.00	1.11	35.32	110.69	22.48	7,428.5	4129.1	506.74	622.36	1,129.09
7	110.0	6.94	14.103	33.99	20.63	0.24	2.48	0.85	1.00	1.13	31.77	111.26	22.56	6,976.6	3973.7	464.21	652.23	1,116.43
8	130.0	7.19	12.689	34.40	22.71	0.29	2.32	0.85	1.00	1.15	31.30	102.61	21.03	6,260.7	3786.2	443.40	610.93	1,054.33
9	150.0	7.41	11.730	33.45	23.86	0.32	2.24	0.85	1.00	1.16	30.24	50.39	15.13	4,445.4	2762.0	426.44	287.53	713.97
														63,070.2	**32307.8**			**8,170.62**

Load Case: 1.0D + 1.0W Normal Wind — 1.0D + 1.0W 60 mph Wind at Normal To Face

Wind Load Factor: 1.00
Dead Load Factor: 1.00
Ice Dead Load Factor: 0.00
Wind Importance Factor: 1.00
Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	6.58	0.000	35.76	0.00	0.17	2.70	1.00	1.00	0.00	20.73	40.33	0.00	2,991.2	0.0	312.81	182.69	495.50
2	15.0	6.58	12.351	11.06	0.00	0.12	2.90	1.00	1.00	0.00	18.60	40.33	0.00	2,174.1	0.0	301.19	182.69	483.87
3	30.0	7.60	23.140	22.12	0.00	0.12	2.87	1.00	1.00	0.00	35.64	80.67	0.00	4,254.6	0.0	662.19	422.22	1,084.41
4	50.0	8.47	21.096	22.12	0.00	0.13	2.84	1.00	1.00	0.00	33.62	80.67	0.00	3,788.6	0.0	687.15	470.16	1,157.31
5	70.0	9.09	22.170	18.58	0.00	0.14	2.80	1.00	1.00	0.00	32.70	79.80	0.00	3,709.8	0.0	706.63	504.59	1,211.22
6	90.0	9.58	16.261	15.03	0.00	0.13	2.85	1.00	1.00	0.00	24.76	77.53	0.00	2,749.6	0.0	574.36	531.79	1,106.15
7	110.0	9.99	14.103	13.36	0.00	0.14	2.82	1.00	1.00	0.00	21.67	77.42	0.00	2,502.4	0.0	518.46	554.72	1,073.18
8	130.0	10.35	12.689	11.69	0.00	0.15	2.75	1.00	1.00	0.00	19.33	71.07	0.00	2,062.1	0.0	468.42	524.36	992.77
9	150.0	10.67	11.730	9.58	0.00	0.16	2.75	1.00	1.00	0.00	17.18	35.26	0.00	1,402.9	0.0	428.12	247.32	675.44
														25,635.4	**0.0**			**8,279.86**

Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60° Wind — 1.0D + 1.0W 60 mph Wind at 60° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.00

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	6.58	0.000	35.76	0.00	0.17	2.70	0.80	1.00	0.00	20.73	40.33	0.00	2,991.2	0.0	312.81	182.69	495.50
2	15.0	6.58	12.351	11.06	0.00	0.12	2.90	0.80	1.00	0.00	16.13	40.33	0.00	2,174.1	0.0	261.19	182.69	443.87
3	30.0	7.60	23.140	22.12	0.00	0.12	2.87	0.80	1.00	0.00	31.02	80.67	0.00	4,254.6	0.0	576.21	422.22	998.44
4	50.0	8.47	21.096	22.12	0.00	0.13	2.84	0.80	1.00	0.00	29.40	80.67	0.00	3,788.6	0.0	600.91	470.16	1,071.07
5	70.0	9.09	22.170	18.58	0.00	0.14	2.80	0.80	1.00	0.00	28.27	79.80	0.00	3,709.8	0.0	610.82	504.59	1,115.41
6	90.0	9.58	16.261	15.03	0.00	0.13	2.85	0.80	1.00	0.00	21.51	77.53	0.00	2,749.6	0.0	498.93	531.79	1,030.72
7	110.0	9.99	14.103	13.36	0.00	0.14	2.82	0.80	1.00	0.00	18.85	77.42	0.00	2,502.4	0.0	450.97	554.72	1,005.69
8	130.0	10.35	12.689	11.69	0.00	0.15	2.75	0.80	1.00	0.00	16.79	71.07	0.00	2,062.1	0.0	406.91	524.36	931.27
9	150.0	10.67	11.730	9.58	0.00	0.16	2.75	0.80	1.00	0.00	14.83	35.26	0.00	1,402.9	0.0	369.64	247.32	616.96
														25,635.4	**0.0**			**7,708.92**

Load Case: 1.0D + 1.0W 90° Wind — 1.0D + 1.0W 60 mph Wind at 90° From Face

Wind Load Factor: 1.00 — **Wind Importance Factor:** 1.00

Dead Load Factor: 1.00

Ice Dead Load Factor: 0.00 — **Ice Importance Factor:** 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
1	5.0	6.58	0.000	35.76	0.00	0.17	2.70	0.85	1.00	0.00	20.73	40.33	0.00	2,991.2	0.0	312.81	182.69	495.50
2	15.0	6.58	12.351	11.06	0.00	0.12	2.90	0.85	1.00	0.00	16.75	40.33	0.00	2,174.1	0.0	271.19	182.69	453.87
3	30.0	7.60	23.140	22.12	0.00	0.12	2.87	0.85	1.00	0.00	32.17	80.67	0.00	4,254.6	0.0	597.71	422.22	1,019.93
4	50.0	8.47	21.096	22.12	0.00	0.13	2.84	0.85	1.00	0.00	30.45	80.67	0.00	3,788.6	0.0	622.47	470.16	1,092.63
5	70.0	9.09	22.170	18.58	0.00	0.14	2.80	0.85	1.00	0.00	29.38	79.80	0.00	3,709.8	0.0	634.77	504.59	1,139.36
6	90.0	9.58	16.261	15.03	0.00	0.13	2.85	0.85	1.00	0.00	22.32	77.53	0.00	2,749.6	0.0	517.79	531.79	1,049.58
7	110.0	9.99	14.103	13.36	0.00	0.14	2.82	0.85	1.00	0.00	19.55	77.42	0.00	2,502.4	0.0	467.84	554.72	1,022.56
8	130.0	10.35	12.689	11.69	0.00	0.15	2.75	0.85	1.00	0.00	17.42	71.07	0.00	2,062.1	0.0	422.29	524.36	946.64
9	150.0	10.67	11.730	9.58	0.00	0.16	2.75	0.85	1.00	0.00	15.42	35.26	0.00	1,402.9	0.0	384.26	247.32	631.58
														25,635.4	**0.0**			**7,851.65**

Force/Stress Compression Summary

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

LEG MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls
1	10	PX - 6" DIA PIPE	-256.95	1.2D + 1.0W Normal Wind	9.77	100	100	100	53.52	50.00	306.57	83.8	Member X
2	20	PX - 6" DIA PIPE	-243.29	1.2D + 1.0W Normal Wind	9.77	100	100	100	53.52	50.00	306.57	79.4	Member X
3	40	PX - 6" DIA PIPE	-227.15	1.2D + 1.0W Normal Wind	9.77	100	100	100	53.51	50.00	306.60	74.1	Member X
4	60	PSP - ROHN 6 EHS	-195.46	1.2D + 1.0W Normal Wind	9.77	100	100	100	52.68	50.00	246.61	79.3	Member X
5	80	PX - 5" DIA PIPE	-166.21	1.2D + 1.0W Normal Wind	6.51	100	100	100	42.47	50.00	240.98	69.0	Member X
6	100	PX - 4" DIA PIPE	-133.68	1.2D + 1.0W Normal Wind	6.51	100	100	100	52.80	50.00	161.86	82.6	Member X
7	120	PX - 3-1/2" DIA PIPE	-100.12	1.2D + 1.0W Normal Wind	6.51	100	100	100	59.65	50.00	127.67	78.4	Member X
8	140	PST - 3" DIA PIPE	-64.67	1.2D + 1.0W Normal Wind	4.88	100	100	100	50.52	50.00	83.27	77.7	Member X
9	160	PST - 2-1/2" DIA PIPE	-25.94	1.2D + 1.0W Normal Wind	3.90	100	100	100	49.42	50.00	64.14	40.4	Member X

Splices

		Top Splice					Bottom Splice					
Sect	Top Elev	Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts	Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts
1	10	1.2D + 1.0W Normal Wind	250.27	0.00	0.0			1.2D + 1.0W Normal Wind	265.05	0.00			
2	20	1.2D + 1.0W Normal Wind	236.50	0.00	0.0			1.2D + 1.0W Normal Wind	250.27	0.00			
3	40	1.2D + 1.0W Normal Wind	204.22	0.00	0.0			1.2D + 1.0W Normal Wind	236.50	0.00		1 A325	6
4	60	1.2D + 1.0W Normal Wind	172.62	0.00	0.0			1.2D + 1.0W Normal Wind	204.22	0.00		1 A325	6
5	80	1.2D + 1.0W Normal Wind	139.97	0.00	0.0			1.2D + 1.0W Normal Wind	172.62	0.00		1 A325	6
6	100	1.2D + 1.0W Normal Wind	106.78	0.00	0.0			1.2D + 1.0W Normal Wind	139.97	0.00		1 A325	4
7	120	1.2D + 1.0W Normal Wind	70.24	0.00	0.0			1.2D + 1.0W Normal Wind	106.78	0.00		7/8 A325	4
8	140	1.2D + 1.0W Normal Wind	30.09	0.00	0.0			1.2D + 1.0W Normal Wind	70.24	0.00		7/8 A325	4
9	160	1.2D + 1.0Di + 1.0Wi 60° Wind	0.46	0.00	0.0			1.2D + 1.0W Normal Wind	30.09	0.00		3/4 A325	4

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	Use %	Controls
1	10										0.00	0	0				
2	20										0.00	0	0				
3	40										0.00	0	0				
4	60										0.00	0	0				
5	80										0.00	0	0				
6	100										0.00	0	0				
7	120										0.00	0	0				
8	140	SAE - 2X2X0.1875	-0.24	1.2D + 1.0W Normal Wind	6.58	100	100	100	200.41	36.00	5.06	1	1	13.81	13.05	4.7	Member Z
9	160	SAE - 1.75X1.75X0.1875	-1.56	0.9D + 1.0W Normal Wind	6.58	100	100	100	230.20	36.00	3.35	1	1	13.81	13.05	46.5	Member Z

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	Use %	Controls
1	10	MOD - 2L3.5x3.5x1/4 Sp	-8.46	1.2D + 1.0W 90° Wind	22.64	49	49	12	124.05	50.00	49.98	2	2	39.74		21.3	Bolt Shear
2	20	SAE - 3.5X3.5X0.25	-8.79	0.9D + 1.0W 90° Wind	21.73	49	49	49	184.07	50.00	14.28	1	1	19.87	23.4	61.6	Member Z
3	40	SAE - 3.5X3.5X0.25	-8.81	1.2D + 1.0W 90° Wind	20.81	49	49	49	176.28	50.00	15.57	1	1	19.87	23.4	56.6	Member Z
4	60	SAE - 3.5X3.5X0.25	-7.92	1.2D + 1.0W 90° Wind	19.07	49	49	49	161.56	50.00	18.53	1	1	19.87	23.4	42.7	Member Z
5	80	SAE - 3X3X0.25	-7.03	1.2D + 1.0W 90° Wind	14.63	49	49	49	145.32	50.00	19.52	1	1	13.81	19.5	50.9	Bolt Shear
6	100	SAE - 2.5X2.5X0.1875	-6.21	1.2D + 1.0W 90° Wind	13.98	49	49	49	166.05	36.00	9.36	1	1	13.81	13.0	66.3	Member Z
7	120	SAE - 2.5X2.5X0.1875	-6.50	1.2D + 1.0W 90° Wind	11.06	49	49	49	131.42	36.00	14.95	1	1	13.81	13.0	49.8	Bolt Bear
8	140	SAE - 2X2X0.1875	-5.49	1.2D + 1.0W 90° Wind	9.64	48	48	48	140.99	36.00	10.22	1	1	13.81	13.0	53.7	Member Z
9	160	SAE - 1.75X1.75X0.1875	-4.26	1.2D + 1.0W 90° Wind	7.65	46	46	46	123.10	36.00	11.69	1	1	13.81	13.0	36.4	Member Z

Force/Stress Compression Summary

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 14	

TES Tower Engineering Solutions

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	Use %	Controls

Force/Stress Tension Summary

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 15	

TES Tower Engineering Solutions

LEG MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls
1	10	PX - 6" DIA PIPE	230.20	0.9D + 1.0W 60° Wind	50	378.00	60.9	Member
2	20	PX - 6" DIA PIPE	211.36	0.9D + 1.0W 60° Wind	50	378.00	55.9	Member
3	40	PX - 6" DIA PIPE	205.88	0.9D + 1.0W 60° Wind	50	378.00	54.5	Member
4	60	PSP - ROHN 6 EHS	178.51	0.9D + 1.0W 60° Wind	50	302.09	59.1	Member
5	80	PX - 5" DIA PIPE	151.22	0.9D + 1.0W 60° Wind	50	274.95	55.0	Member
6	100	PX - 4" DIA PIPE	122.81	0.9D + 1.0W 60° Wind	50	198.45	61.9	Member
7	120	PX - 3-1/2" DIA PIPE	92.93	0.9D + 1.0W 60° Wind	50	165.60	56.1	Member
8	140	PST - 3" DIA PIPE	59.22	0.9D + 1.0W 60° Wind	50	100.35	59.0	Member
9	160	PST - 2-1/2" DIA PIPE	22.92	0.9D + 1.0W 60° Wind	50	76.68	29.9	Member

Splices

		Top Splice					Bottom Splice				
Sect	Top Elev	Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts	Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts
1	10	0.9D + 1.0W 60° Wind	217.06	0.00	0.0			0.9D + 1.0W 60° Wind	230.2	0.00			
2	20	0.9D + 1.0W 60° Wind	205.61	0.00	0.0			0.9D + 1.0W 60° Wind	217.0	0.00			
3	40	0.9D + 1.0W 60° Wind	178.17	0.00	0.0			0.9D + 1.0W 60° Wind	205.6	318.06	64.6	1 A325	6
4	60	0.9D + 1.0W 60° Wind	150.96	0.00	0.0			0.9D + 1.0W 60° Wind	178.1	318.06	56.0	1 A325	6
5	80	0.9D + 1.0W 60° Wind	122.61	0.00	0.0			0.9D + 1.0W 60° Wind	150.9	318.06	47.5	1 A325	6
6	100	0.9D + 1.0W 60° Wind	92.79	0.00	0.0			0.9D + 1.0W 60° Wind	122.6	212.04	57.8	1 A325	4
7	120	0.9D + 1.0W 60° Wind	59.11	0.00	0.0			0.9D + 1.0W 60° Wind	92.79	166.24	55.8	7/8 A325	4
8	140	0.9D + 1.0W 60° Wind	23.07	0.00	0.0			0.9D + 1.0W 60° Wind	59.11	166.24	35.6	7/8 A325	4
9	160		0.00	0.00	0.0			0.9D + 1.0W 60° Wind	23.07	120.40	19.2	3/4 A325	4

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	10	-			50	0.00	0	0					
2	20	-			50	0.00	0	0					
3	40	-			50	0.00	0	0					
4	60	-			50	0.00	0	0					
5	80	-			50	0.00	0	0					
6	100	-			36	0.00	0	0					
7	120	-			36	0.00	0	0					
8	140	SAE - 2X2X0.1875	0.04	0.9D + 1.0W Normal Wi	36	18.58	1	1	13.81	7.84	7.85	0.5	Bolt Bear
9	160	SAE - 1.75X1.75X0.1875	1.62	1.2D + 1.0W Normal Wi	36	15.64	1	1	13.81	7.84	6.83	23.7	Blck Shear

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	10	MOD - 2L3.5x3.5x1/4 Spec	8.06	0.9D + 1.0W 90° Wind	50	153.18	2	2	39.74			20.3	Bolt Shear
2	20	SAE - 3.5X3.5X0.25	8.61	0.9D + 1.0W 90° Wind	50	53.79	1	1	19.87	14.14	24.07	60.9	Bolt Bear
3	40	SAE - 3.5X3.5X0.25	8.69	1.2D + 1.0W 90° Wind	50	53.79	1	1	19.87	14.14	24.07	61.4	Bolt Bear
4	60	SAE - 3.5X3.5X0.25	7.82	0.9D + 1.0W 90° Wind	50	53.79	1	1	19.87	14.14	24.07	55.3	Bolt Bear
5	80	SAE - 3X3X0.25	6.87	1.2D + 1.0W 90° Wind	50	45.79	1	1	13.81	11.71	17.83	58.7	Bolt Bear
6	100	SAE - 2.5X2.5X0.1875	6.43	1.2D + 1.0W 90° Wind	36	24.84	1	1	13.81	7.84	9.89	82.1	Bolt Bear
7	120	SAE - 2.5X2.5X0.1875	6.36	1.2D + 1.0W 90° Wind	36	24.84	1	1	13.81	7.84	9.89	81.2	Bolt Bear
8	140	SAE - 2X2X0.1875	5.51	1.2D + 1.0W 90° Wind	36	18.58	1	1	13.81	7.84	7.85	70.3	Bolt Bear
9	160	SAE - 1.75X1.75X0.1875	4.20	1.2D + 1.0W 90° Wind	36	15.64	1	1	13.81	7.84	6.83	61.5	Blck Shear

Seismic Section Forces

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 16	

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Load Case: 1.2D + 1.0Ev + 1.0Eh

Dead Load Factor	1.20	**Sds**	0.201	**Ss**	0.1890	**Fa**	1.6000	**Ke**	1.0000	**TL**	6.0000
Seismic Load Factor	1.00	**Sd1**	0.086	**S1**	0.0540	**Fv**	2.4000	**Kg**	0.0000	**Cs**	0.0609
Seismic Importance Factor	1.00	**W1**	17.84	**R**	3.0000	**Vs**	2.0608	**T**	0.4735	**f1**	2.1120

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	5.00	2991.2	11.02	120.67
2	15.00	2174.1	24.02	87.70
3	30.00	4254.6	94.02	171.63
4	50.00	3788.6	139.54	152.83
5	70.00	3729.8	192.32	150.46
6	90.00	2764.5	183.28	111.52
7	110.00	2502.4	202.76	100.95
8	130.00	5047.1	483.32	203.60
9	150.00	6611.8	730.56	266.72

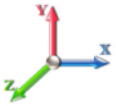
Load Case: 0.9D + 1.0Ev + 1.0Eh

Dead Load Factor	0.90	**Sds**	0.201	**Ss**	0.1890	**Fa**	1.6000	**Ke**	1.0000	**TL**	6.0000
Seismic Load Factor	1.00	**Sd1**	0.086	**S1**	0.0540	**Fv**	2.4000	**Kg**	0.0000	**Cs**	0.0609
Seismic Importance Factor	1.00	**W1**	17.84	**R**	3.0000	**Vs**	2.0608	**T**	0.4735	**f1**	2.1120

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	5.00	2991.2	11.02	120.67
2	15.00	2174.1	24.02	87.70
3	30.00	4254.6	94.02	171.63
4	50.00	3788.6	139.54	152.83
5	70.00	3729.8	192.32	150.46
6	90.00	2764.5	183.28	111.52
7	110.00	2502.4	202.76	100.95
8	130.00	5047.1	483.32	203.60
9	150.00	6611.8	730.56	266.72

Support Forces Summary

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 17	



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Load Case	Node	FX (kips)	FY (kips)	FZ (kips)	(-) = Uplift (+) = Down
1.2D + 1.0W Normal Wind	1	-0.01	264.23	-28.58	
	1a	9.92	-111.80	-9.05	
	1b	-9.91	-111.79	-9.06	
1.2D + 1.0W 60° Wind	1	-2.85	133.42	-13.91	
	1a	-13.43	132.89	4.54	
	1b	-22.03	-225.67	-12.75	
1.2D + 1.0W 90° Wind	1	-3.28	13.56	-0.72	
	1a	-21.53	222.93	10.52	
	1b	-20.05	-195.85	-9.80	
0.9D + 1.0W Normal Wind	1	-0.01	260.55	-28.37	
	1a	10.10	-115.04	-9.15	
	1b	-10.09	-115.03	-9.17	
0.9D + 1.0W 60° Wind	1	-2.85	129.89	-13.70	
	1a	-13.25	129.37	4.43	
	1b	-22.21	-228.79	-12.85	
0.9D + 1.0W 90° Wind	1	-3.28	10.17	-0.51	
	1a	-21.35	219.30	10.41	
	1b	-20.23	-198.99	-9.90	
1.2D + 1.0Di + 1.0Wi Normal Wind	1	0.00	85.21	-6.10	
	1a	2.88	-2.93	-2.45	
	1b	-2.88	-2.90	-2.46	
1.2D + 1.0Di + 1.0Wi 60° Wind	1	-0.68	55.07	-2.72	
	1a	-2.68	54.84	0.79	
	1b	-5.87	-30.54	-3.40	
1.2D + 1.0Di + 1.0Wi 90° Wind	1	-0.79	26.48	0.45	
	1a	-4.58	75.94	2.21	
	1b	-5.35	-23.04	-2.66	
1.2D + 1.0Ev + 1.0Eh	1	0.00	27.00	2.41	
	1a	3.69	7.50	-2.22	
	1b	-3.69	7.50	-2.22	
0.9D + 1.0Ev + 1.0Eh	1	0.00	23.60	2.63	
	1a	3.88	4.12	-2.33	
	1b	-3.88	4.12	-2.33	
1.0D + 1.0W Normal Wind	1	0.00	70.53	-7.32	
	1a	1.90	-18.34	-1.92	
	1b	-1.90	-18.33	-1.93	
1.0D + 1.0W 60° Wind	1	-0.69	39.63	-3.84	
	1a	-3.66	39.50	1.34	
	1b	-4.83	-45.27	-2.79	
1.0D + 1.0W 90° Wind	1	-0.80	11.29	-0.70	
	1a	-5.57	60.64	2.76	
	1b	-4.35	-38.07	-2.06	

[Max Reactions](#)

	Leg			Overturning	
Max Uplift:	-228.79	(kips)	Moment:	4550.32	(ft-kips)
Max Down:	264.23	(kips)	Total Down:	40.64	(kips)
Max Shear:	28.58	(kips)	Total Shear:	46.69	(kips)

Analysis Summary

Structure:	CT10012-A-SBA	**Code:**	EIA/TIA-222-H	9/17/2021	
Site Name:	Griswold 2, CT	**Exposure:**	C		
Height:	160.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	0.85 **Topography:** 1	**Struct Class:**	II	Page: 19	

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Max Reactions

Leg			Overturning		
Max Uplift:	-228.79	(kips)	Moment:	4550.32	(ft-kips)
Max Down:	264.23	(kips)	Total Down:	40.64	(kips)
Max Shear:	28.58	(kips)	Total Shear:	46.69	(kips)

Anchor Bolts

Bolt Size (in.):	1.00	Number Bolts:	8	Type:	Grout Existing
Yield Strength (Ksi):	109.00	Tensile Strength (Ksi):	125.00		
		Length:	1.50		

Interaction Ratios:

Tensile: **0.51** Compression: **OK!**

Max Usages

Max Leg: 83.8% (1.2D + 1.0W Normal Wind - Sect 1)
Max Diag: 82.1% (1.2D + 1.0W 90° Wind - Sect 6)
Max Horiz: 46.5% (0.9D + 1.0W Normal Wind - Sect 9)

Max Deflection, Twist and Sway

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)
0.9D + 1.0Ev + 1.0Eh - Normal To Face	66.75	0.0080	0.0000	0.0177
	80.25	0.0137	0.0000	0.0273
	134.88	0.0533	0.0013	0.0492
	148.05	0.0657	0.0015	0.0558
	159.75	0.0770	0.0013	0.0571
	160.00	0.0773	-0.0013	0.0573
0.9D + 1.0W 124 mph Wind at 60° From Face	66.75	0.2063	-0.0116	0.3388
	80.25	0.2977	-0.0130	0.4637
	134.88	0.9067	0.1859	0.8361
	148.05	1.1127	0.2916	0.9370
	159.75	1.3018	0.3962	0.9059
	160.00	1.3046	0.3968	0.9227
0.9D + 1.0W 124 mph Wind at 90° From Face	66.75	0.2081	-0.0181	0.3412
	80.25	0.3003	-0.0209	0.4555
	134.88	0.9134	-0.0310	0.8561
	148.05	1.1204	-0.0363	0.9438
	159.75	1.3095	-0.0429	0.7787
	160.00	1.3108	-0.0429	0.7552
0.9D + 1.0W 124 mph Wind at Normal To Face	66.75	0.2164	0.0001	0.3539
	80.25	0.3119	0.0001	0.5181
	134.88	0.9438	0.0663	0.8448
	148.05	1.1596	0.0675	0.9705
	159.75	1.3583	-0.0622	1.5768
	160.00	1.3654	-0.0620	1.7114

1.0D + 1.0W 60 mph Wind at 60° From Face	66.75	0.0488	-0.0036	0.0798
	80.25	0.0703	-0.0042	0.1091
	134.88	0.2133	0.0122	0.1958
	148.05	0.2618	0.0182	0.2207
	159.75	0.3061	0.0237	0.2114
	160.00	0.3068	0.0237	0.2138
1.0D + 1.0W 60 mph Wind at 90° From Face	66.75	0.0490	-0.0047	0.0801
	80.25	0.0707	-0.0055	0.1069
	134.88	0.2144	-0.0027	0.2003
	148.05	0.2627	-0.0021	0.2216
	159.75	0.3070	-0.0022	0.1821
	160.00	0.3074	-0.0022	0.1766
1.0D + 1.0W 60 mph Wind at Normal To Face	66.75	0.0512	0.0000	0.0835
	80.25	0.0737	0.0000	0.1219
	134.88	0.2225	0.0150	0.1987
	148.05	0.2729	0.0156	0.2270
	159.75	0.3196	0.0149	0.3703
	160.00	0.3212	0.0149	0.4019
1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face	66.75	0.0485	-0.0038	0.0799
	80.25	0.0703	-0.0043	0.1099
	134.88	0.2137	0.0163	0.1932
	148.05	0.2616	0.0245	0.2196
	159.75	0.3053	0.0322	0.2266
	160.00	0.3059	0.0323	0.2505
1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face	66.75	0.0493	-0.0052	0.0800
	80.25	0.0710	-0.0061	0.1074
	134.88	0.2135	-0.0027	0.1969
	148.05	0.2612	-0.0023	0.2197
	159.75	0.3046	-0.0026	0.1494
	160.00	0.3046	-0.0026	0.1382
1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face	66.75	0.0493	0.0000	0.0824
	80.25	0.0719	0.0000	0.1209
	134.88	0.2197	0.0143	0.1955
	148.05	0.2695	-0.0145	0.2229
	159.75	0.3155	-0.0136	0.4299
	160.00	0.3175	-0.0135	0.4752
1.2D + 1.0Ev + 1.0Eh - Normal To Face	66.75	0.0080	0.0000	0.0177
	80.25	0.0138	0.0000	0.0274
	134.88	0.0534	-0.0013	0.0493
	148.05	0.0659	-0.0015	0.0560
	159.75	0.0772	0.0013	0.0574
	160.00	0.0774	-0.0013	0.0576
1.2D + 1.0W 124 mph Wind at 60° From Face	66.75	0.2065	-0.0116	0.3393
	80.25	0.2981	-0.0130	0.4644
	134.88	0.9083	0.1863	0.8377
	148.05	1.1147	0.2922	0.9393
	159.75	1.3042	0.3970	0.9076
	160.00	1.3070	0.3976	0.9244
1.2D + 1.0W 124 mph Wind at 90° From Face	66.75	0.2084	-0.0181	0.3417
	80.25	0.3007	-0.0209	0.4562
	134.88	0.9149	-0.0310	0.8578
	148.05	1.1224	-0.0362	0.9462
	159.75	1.3120	-0.0429	0.7806
	160.00	1.3133	-0.0429	0.7572
1.2D + 1.0W 124 mph Wind at Normal To Face	66.75	0.2167	0.0001	0.3545
	80.25	0.3123	0.0001	0.5189
	134.88	0.9455	0.0662	0.8467
	148.05	1.1617	0.0673	0.9723
	159.75	1.3608	-0.0620	1.5791
	160.00	1.3680	-0.0619	1.7137

Self Supporting Tower Footing Design

Customer Name:	SBA Communications Corp	**EIA/TIA Standard:**
Site Name:		**Structure Height (Ft.):**
Site Nmber:	CT10012-A-SBA	**Engineer Name:**
Engr. Number:	115507	**Engineer Login ID:**

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Self Supporting Tower

Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	55.8	Shear Force (Kips):	28.6
Uplift Force (Kips):	228.8	Moment (Kips-ft):	0.0
Allowable overstress %:	5.0%		

Foundation Geometries:

Pad Base w/ toe or in Rock-Yes/No ?	Yes	Mods required -Yes/No ?:	Yes
Diameter of Pier (ft.): Square	3.000	Depth of Base BG (ft.):	11.8
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.30
Length of Pad (ft.):	6	Width of Pad (ft.):	6
Add Concrete Width & Length (ft.)	11	Add Concrete Thick. (ft)	2.5
Final Length of pad (ft)	6.0	Final width of pad (ft):	6.0

Consider ties in concrete shear strength ?: Yes

Material Properties and Reabr Info:

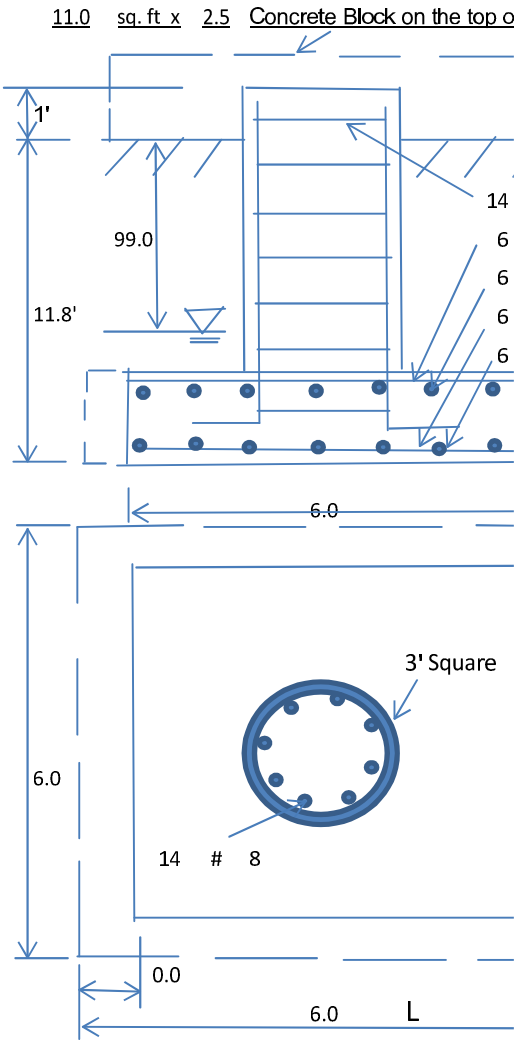
Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	14	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	6	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

Qty. of Rebar in Pad (L):	6	Qty. of Rebar in Pad (W):	6

Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	6	Qty. of Rebar in Pad (W):	6



Soil Design Parameters:

Soil Unit Weight (pcf):	135.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	35
Ultimate Bearing Pressure (psf):	20000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	35

Foundation Analysis and Design:

Uplift Strength Reduction Factor A: 0.75 — Uplift Strength Reduction Factor B: 0.9

Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	1963.50	Total Dry Soil Weight (Kips):	265.07
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	265.07	Weight from the Concrete Block at Top (K):	44.03
Total Dry Concrete Volume (cu. Ft.):	470.80	Total Dry Concrete Weight (Kips):	70.62
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	70.62	Total Vertical Load on Base (Kips):	391.48

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):	11457.77	<	Allowable Factored Soil Bearing (psf):	15000
Calculated Foundation Allowable Axail Capacity (Kips):	540.0	>	Design Factored Axial Load (Kips):	60
Calculated Foundation Uplift Capacity (Kips):	267.56	>	Design Factored Uplift Load (Kips):	229

Check the capacities of Reinforceing Concrete:

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

(1) Concrete Pier:

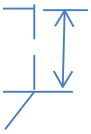
Vertical Steel Rebar Area (sq. in/ each):
Calculated Moment Capacity (Mn, kips-Ft):
Calculated Shear Capacity (kips):
Calculated Tension Capacity (Tn, kips) :
Calculated Compression Capacity (Pn, kips) :
Moment Axial Strength Combination:
Pier Reinforcement Ratio:
Tie/Stirrup Area (sq.in. /each):
Design Factored Moment (Mu, kips-Ft
Design Factored Shear (kips):
Design Factored Tension (Tu kips) :
Design Factored Axial Load (Pu kips) :
O
Check Tie Spacing (Design/Required):

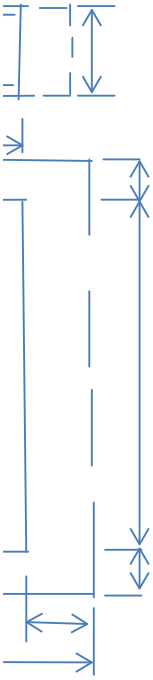
(2) Concrete Pad:

One-Way Design Shear Capacity (Dir.kips)
One-Way Design Shear Capacity (Dir.kips):
Two-Way Design Shear Capacity (kips):
Lower Steel Pad Reinforcement Ratio (Direct.):
Lower Steel Pad Moment Capacity (Direction. kips-ft):
Lower Steel Pad Moment Capacity (Dir.kips-ft):
Upper Steel Pad Reinforcement Ratio (Direct.):
Upper Steel Pad Moment Capacity (Direction. kips-ft):
Upper Steel Pad Moment Capacity (Dir. kips-ft):
One-Way Factored Shear (Dir kips):
One-Way Factored Shear (W-Dir kips) 0
Two-Way Factored Shear (kips):
Lower Steel Pad Reinf. Ratio (W-Direct 0
Moment at Bottom (L. Direct.-Ft):
Moment at Bottom (Dir. kips-Ft):
Upper Steel Reinf.Ratio (Direct.): 0
Moment at the top (Dir kips-Ft):
Moment at the top (Dir kips-Ft):

Date
EIA-222-H
160
J. Tibbetts

f Grade





a at

at

d
Capacity
Ratio

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
greg.dulnik@colliersengineering.com

Antenna Mount Analysis Report with Hardware Upgrades

Mount Analysis

SMART Tool Project #: 10032620
Maser Consulting Connecticut Project #: 20777643A (Rev. 1)

August 23, 2021

Site Information	*Site ID:*	*468232-VZW / Jewett City CT*
	Site Name:	*Jewett City CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*257 Norman Rd* *Griswold, Connecticut 06351* *New London County*
	Latitude:	*41.601487°*
	Longitude:	*-71.952853°*
Structure Information	*Tower Type:*	*161.5-Ft Self Support*
	Mount Type:	*15.00-Ft Sector Frame*

FUZE ID # 16271953

Analysis Results

Sector Frame: **66.1% Pass***

*Results valid after hardware upgrades noted in the PMI Requirements are installed

******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 may also be Noted on A & E drawings

Report Prepared By: Andy Hanes

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324144, dated August 13, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468232, dated February 9, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	124 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.989
Seismic Parameters:	S_S:	0.189
	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 mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
157.00	158.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-70080-4BF-EDIN-0	Retained

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 and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

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

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

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

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

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

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

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

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

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
Connection Check	21.6	Pass
Standoff Plate	64.7 %	Pass
Face Horizontal	16.0 %	Pass
Standoff Horizontal	28.8 %	Pass
Standoff Diagonal	25.8 %	Pass
Standoff Vertical	66.1 %	Pass
Mount Pipe	30.1 %	Pass
Tie Back	13.6 %	Pass
Threaded Rods	8.2 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**66.1%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special Instructions section of the below referenced PMI document.

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

Attachments:

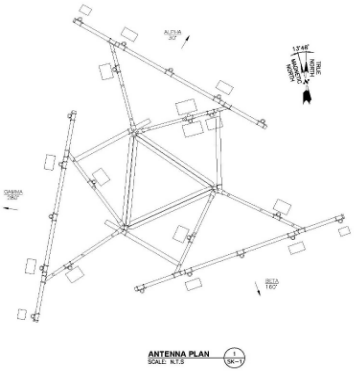
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

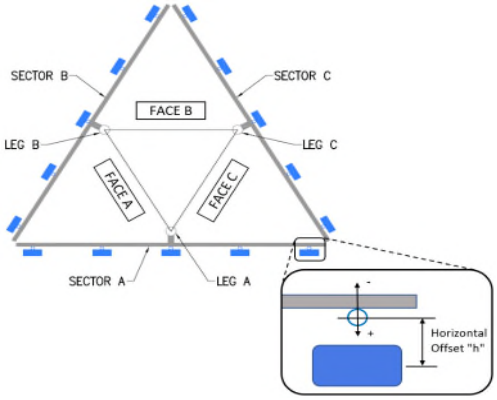
V3.0 Updated on 8-31-2020

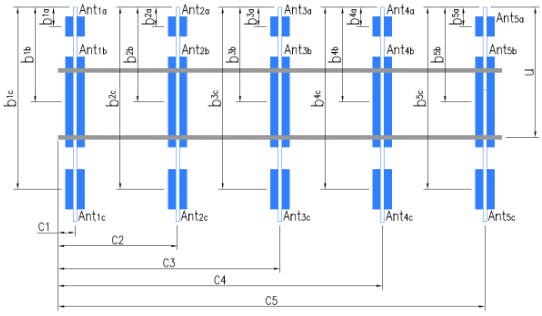
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA TOWERS	**Mapping Date:**	02.09.21
Site Name:	JEWETT CITY 2 CT	**Tower Type:**	Self Support
Site Number or ID:	468232	**Tower Height (Ft.):**	161.5
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	157.6







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2" STD. x 60" Long	50.00	4.00	C1	Pipe 2" STD. x 50" Long	50.00	4.00
A2	Pipe 2" STD. x 96" Long	67.00	45.00	C2	Pipe 2" STD. x 96" Long	67.00	45.00
A3	Pipe 2" STD. x 72" Long	50.00	89.00	C3	Pipe 2" STD. x 72" Long	50.00	89.00
A4	Pipe 2" STD. x 96" Long	67.00	134.00	C4	Pipe 2" STD. x 96" Long	67.00	134.00
A5	Pipe 2" STD. x 48" Long	50.00	175.00	C5	Pipe 2" STD. x 48" Long	50.00	175.00
A6				C6			
B1	Pipe 2" STD. x 60" Long	50.00	4.00	D1			
B2	Pipe 2" STD. x 96" Long	67.00	45.00	D2			
B3	Pipe 2" STD. x 72" Long	50.00	89.00	D3			
B4	Pipe 2" STD. x 96" Long	67.00	134.00	D4			
B5	Pipe 2" STD. x 48" Long	50.00	175.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	21.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	4.5

Please enter additional infomation or comments below.

Pipe 2"Ø STD. x 4'-6" Long (U: 47") (mounted to standoff) (RRH) (typ.)

Pipe 2"Ø STD. x 8' Long (U:70") (mounted to standoff) (OVP Box)

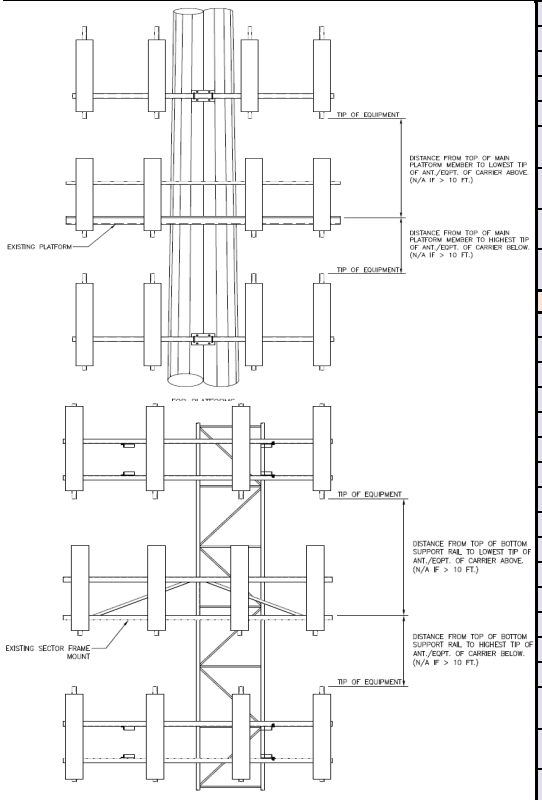
Pipe 2"Ø STD. x 33" Long (U:70") (mounted to standoff) (RRH) (typ.)

Tower Face Width at Mount Elev. (ft.):	6.4	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	2.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA-70080-4CF	8.00	6.00	48.00		158.017	24.00	9.00	30.00	3
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	30.00	3
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.50		157.517	30.00	-7.00		4
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	30.00	4
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	OVP BOX (2)	15.00	10.00	28.00			14.00	-7.00		4 & 5
Ant on Standoff	B66A RRH 4x45 B25 RRH 4x30	12.00	9.00	22.00			21.50	-7.00		3 & 5
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:	335.00	Deg
Sector B:	160.00	Deg	Leg B:	95.00	Deg
Sector C:	280.00	Deg	Leg C:	215.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	335.00	Deg	On Leg A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	BXA-70080-4CF	8.00	6.00	48.00		158.017	24.00	9.00	160.00	6
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	160.00	6
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.50		157.517	30.00	-7.00		7
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	160.00	7
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B66A RRH 4x45 B25 RRH 4x30	12.00	9.00	22.00			21.50	-7.00		6 & 7
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	BXA-70080-4CF	8.00	6.00	48.00		158.017	24.00	9.00	280.00	9
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	280.00	9
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	9.00	21.50		157.517	30.00	-7.00		9
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	SBNHH-1D65B	12.00	7.00	73.00		158.767	32.00	9.00	280.00	9
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B66A RRH 4x45 B25 RRH 4x30	12.00	9.00	22.00			21.50	-7.00		9
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(12) 1-5/8" COAX CABLES, (1) 1-1/4" HYBRID CABLE, & (1) 1/2" GPS COAX CABLE	5
3	A1 + A2 mounts missing U-bolt (typ.)	49
4		
5		
6		
7		
8		

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.

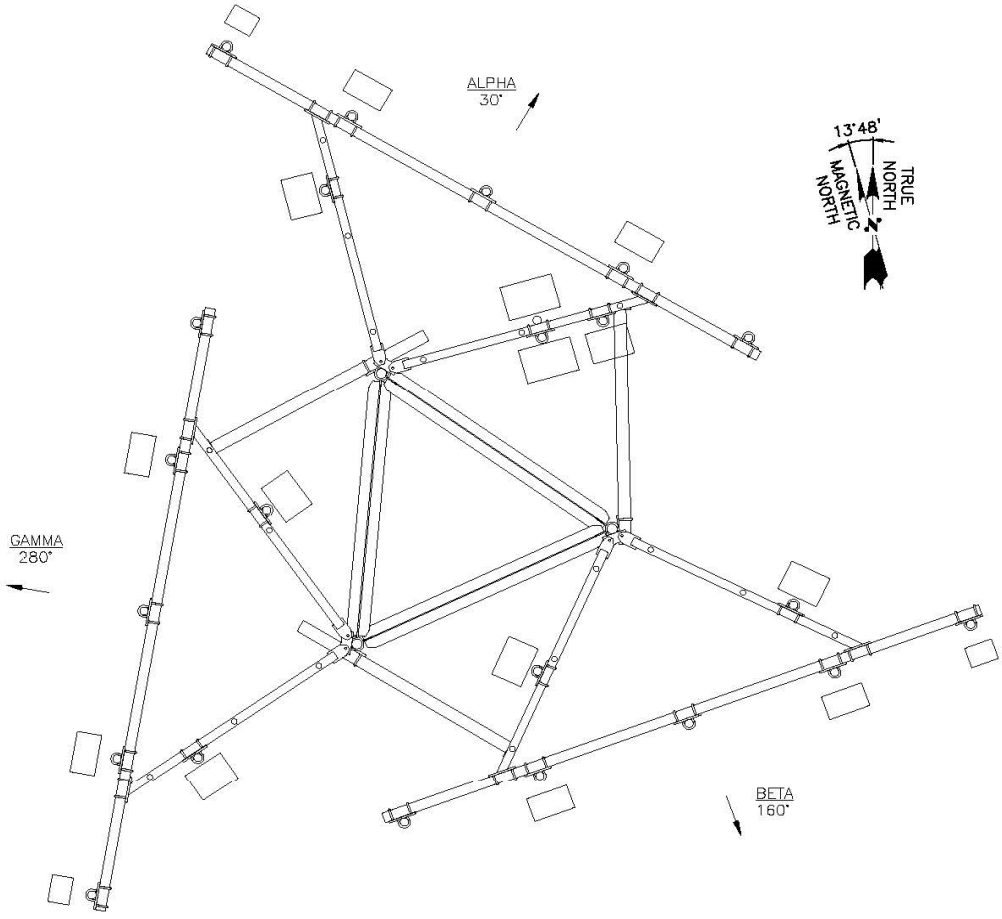
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

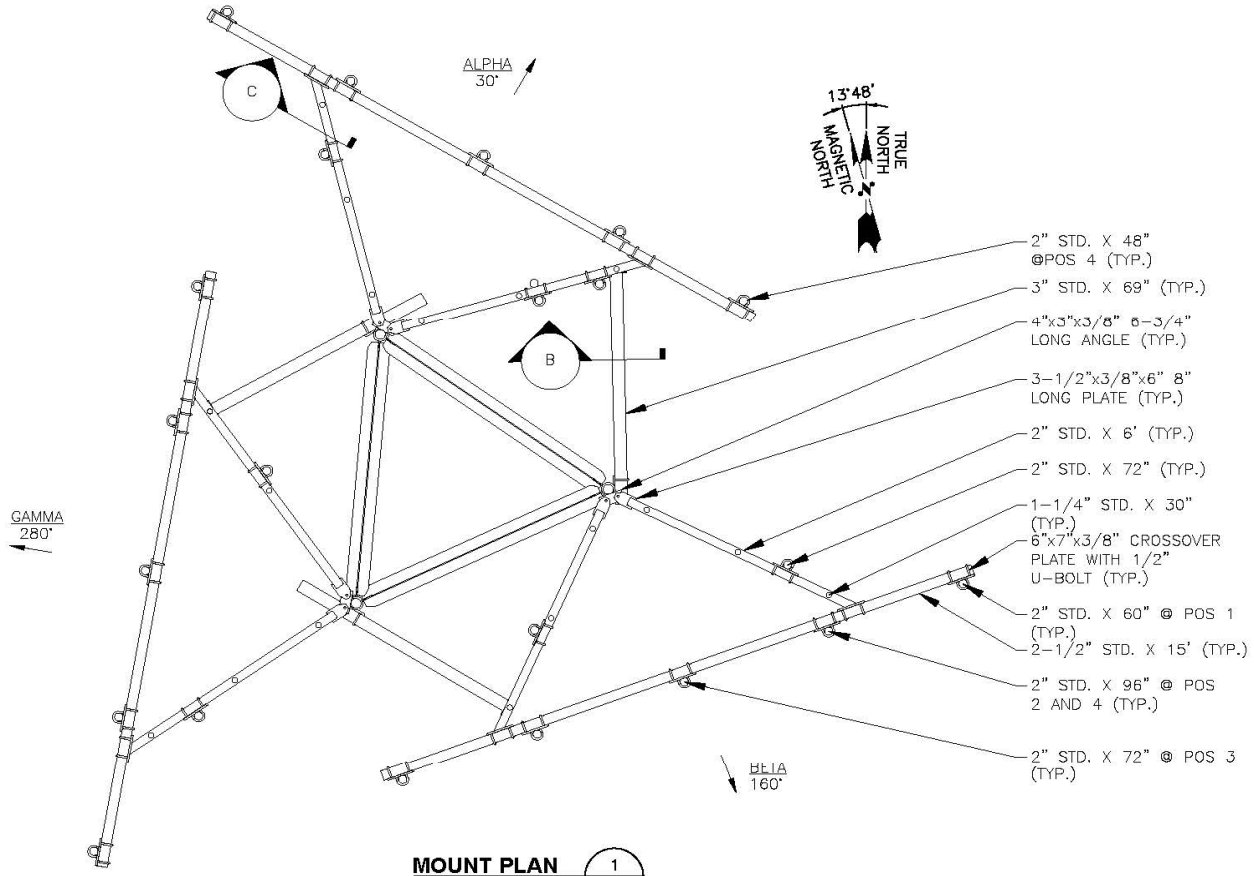
Tower Owner:	SBA TOWERS	**Mapping Date:**	02.09.21
Site Name:	JEWETT CITY 2 CT	**Tower Type:**	Self Support
Site Number or ID:	468232	**Tower Height (Ft.):**	161.5
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	157.6

Please Insert Sketches of the Antenna Mount

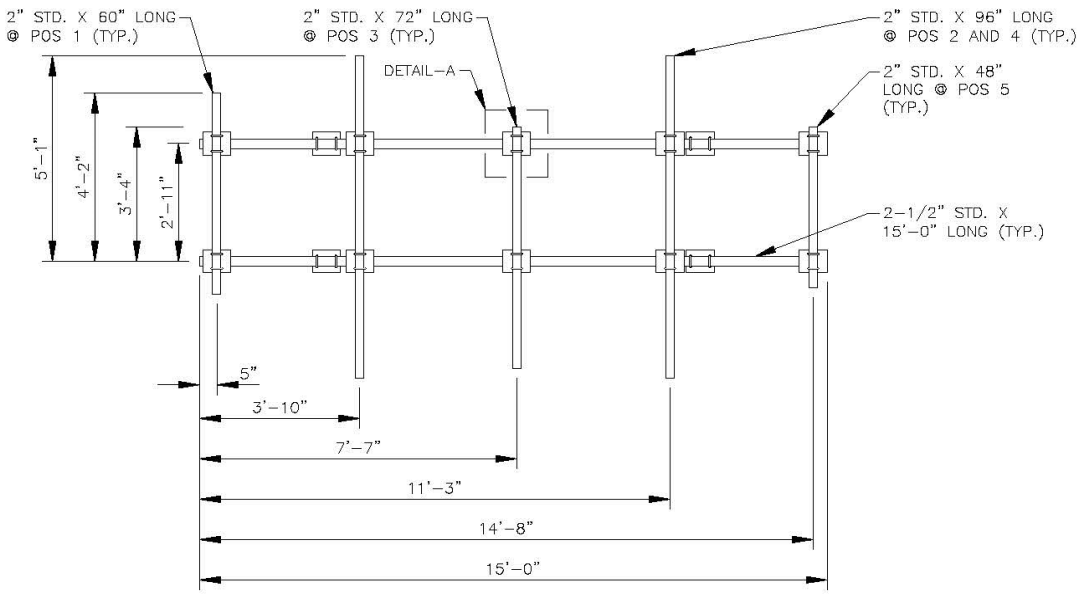


ANTENNA PLAN (1 / SK–1)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

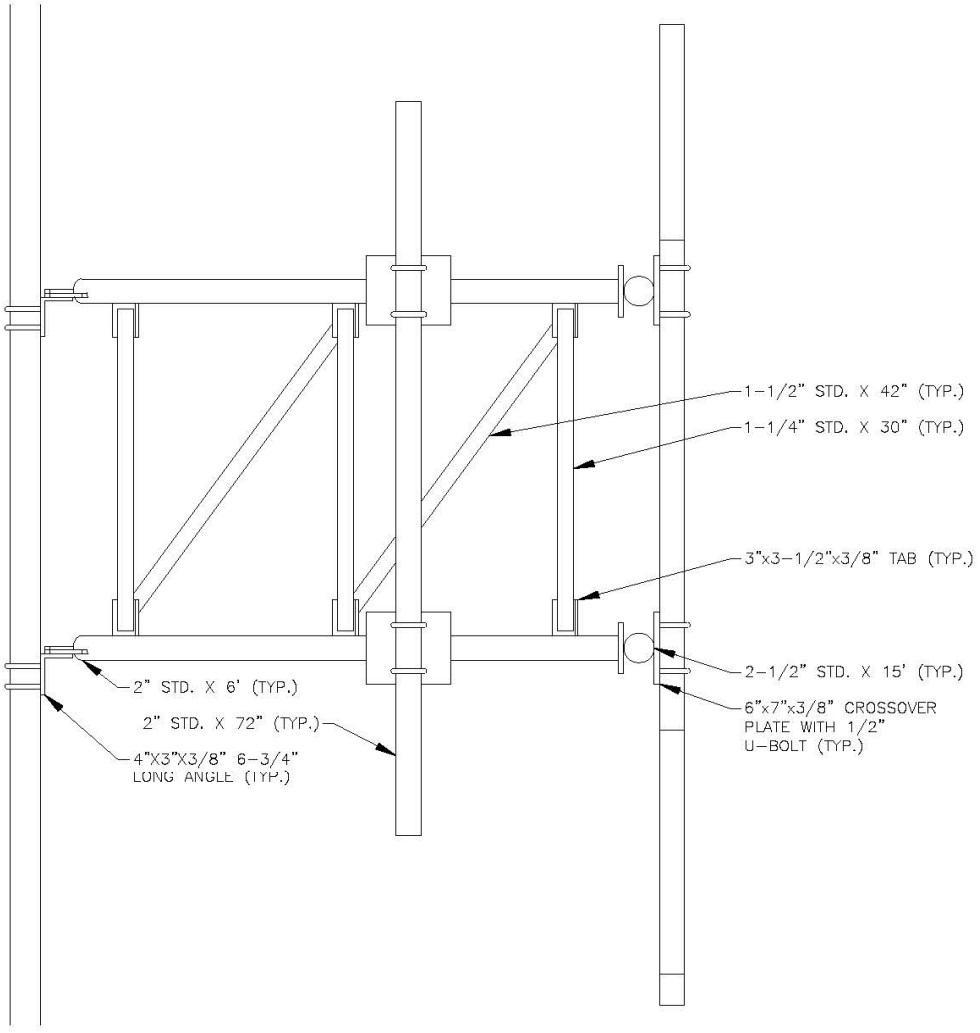


MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

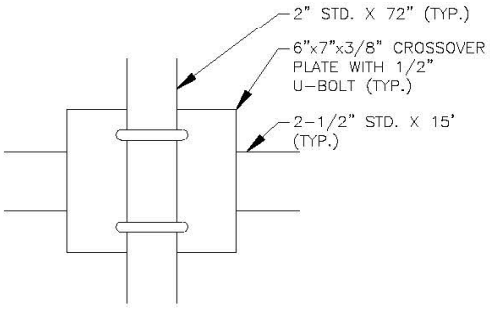


FACE ELEVATION (2 / SK-2)
SCALE: N.T.S

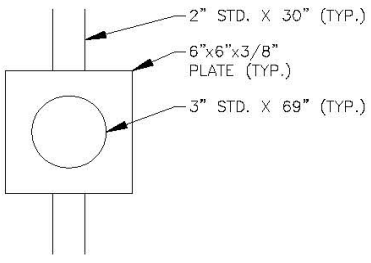
Please Insert Sketches of the Antenna Mount, cont'd



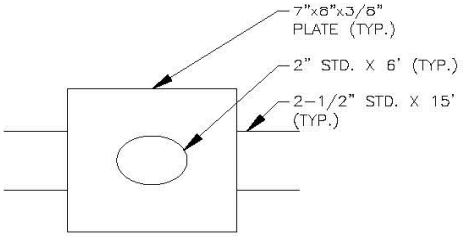
MOUNT SIDE ELEVATION (1 / SK-3)
SCALE: N.T.S



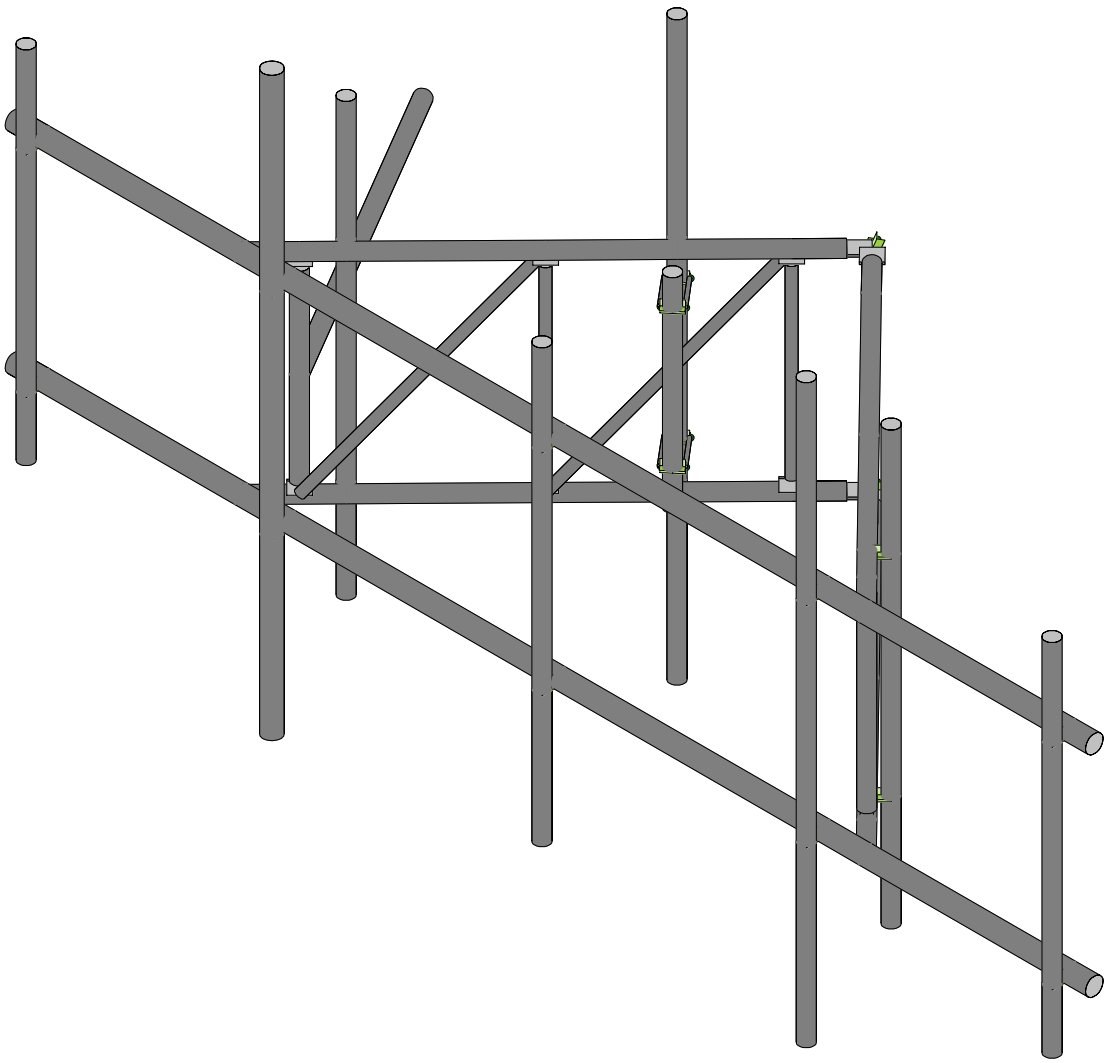
DETAIL-A



DETAIL-B

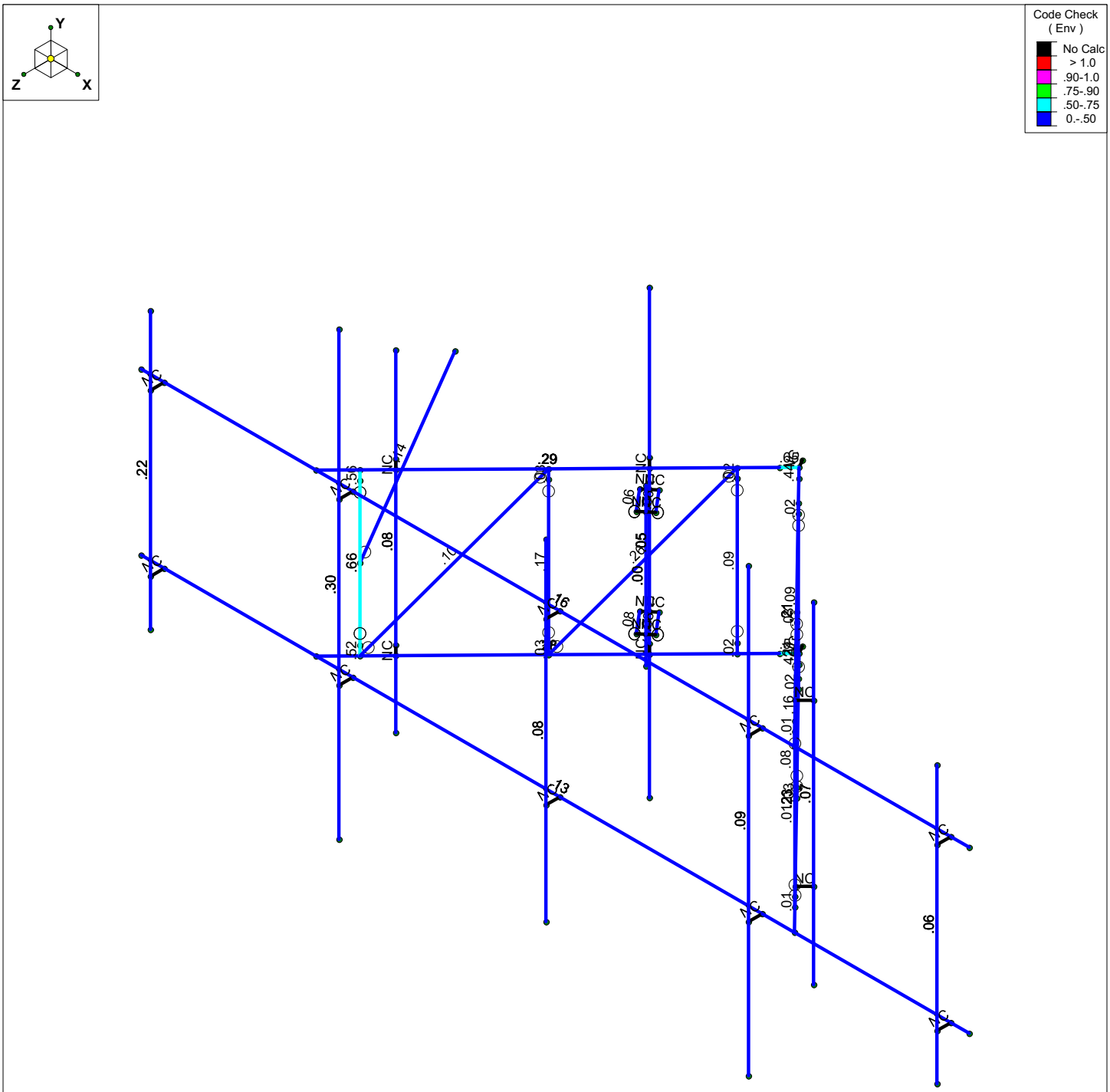


DETAIL-C



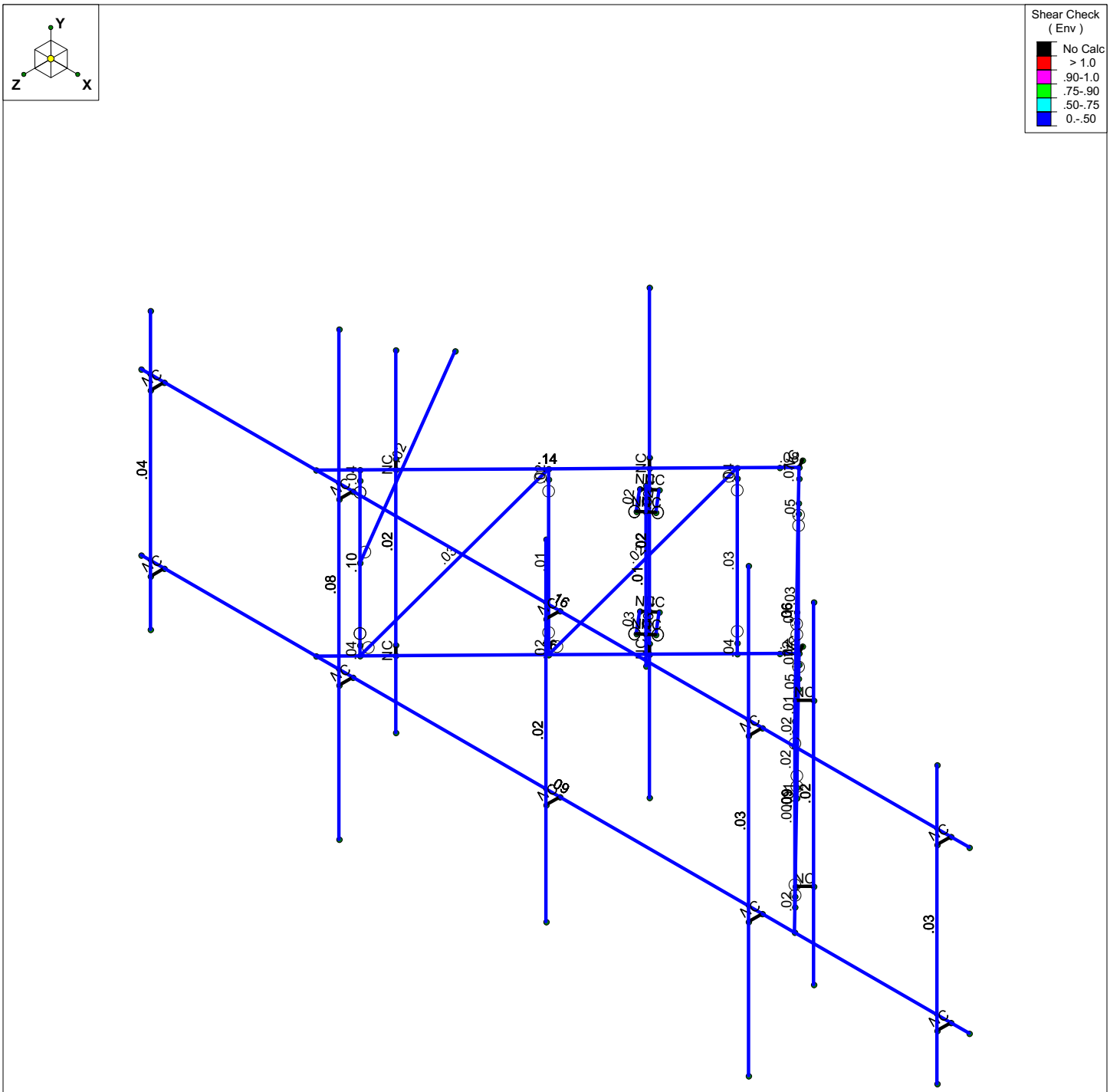
Envelope Only Solution

Maser Consulting	468232-VZW_MT_LOT_SectorA_H	SK - 1
AJH		Aug 3, 2021 at 3:06 PM
		468232-VZW_MT_LOT_A_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468232-VZW_MT_LOT_SectorA_H	SK - 2
AJH		Aug 3, 2021 at 3:07 PM
		468232-VZW_MT_LOT_A_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468232-VZW_MT_LOT_SectorA_H	SK - 3
AJH		Aug 3, 2021 at 3:07 PM
		468232-VZW_MT_LOT_A_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					33			
2	Antenna Di	None					33			
3	Antenna Wo (0 Deg)	None					33			
4	Antenna Wo (30 Deg)	None					33			
5	Antenna Wo (60 Deg)	None					33			
6	Antenna Wo (90 Deg)	None					33			
7	Antenna Wo (120 Deg)	None					33			
8	Antenna Wo (150 Deg)	None					33			
9	Antenna Wo (180 Deg)	None					33			
10	Antenna Wo (210 Deg)	None					33			
11	Antenna Wo (240 Deg)	None					33			
12	Antenna Wo (270 Deg)	None					33			
13	Antenna Wo (300 Deg)	None					33			
14	Antenna Wo (330 Deg)	None					33			
15	Antenna Wi (0 Deg)	None					33			
16	Antenna Wi (30 Deg)	None					33			
17	Antenna Wi (60 Deg)	None					33			
18	Antenna Wi (90 Deg)	None					33			
19	Antenna Wi (120 Deg)	None					33			
20	Antenna Wi (150 Deg)	None					33			
21	Antenna Wi (180 Deg)	None					33			
22	Antenna Wi (210 Deg)	None					33			
23	Antenna Wi (240 Deg)	None					33			
24	Antenna Wi (270 Deg)	None					33			
25	Antenna Wi (300 Deg)	None					33			
26	Antenna Wi (330 Deg)	None					33			
27	Antenna Wm (0 Deg)	None					33			
28	Antenna Wm (30 Deg)	None					33			
29	Antenna Wm (60 Deg)	None					33			
30	Antenna Wm (90 Deg)	None					33			
31	Antenna Wm (120 Deg)	None					33			
32	Antenna Wm (150 Deg)	None					33			
33	Antenna Wm (180 Deg)	None					33			
34	Antenna Wm (210 Deg)	None					33			
35	Antenna Wm (240 Deg)	None					33			
36	Antenna Wm (270 Deg)	None					33			
37	Antenna Wm (300 Deg)	None					33			
38	Antenna Wm (330 Deg)	None					33			
39	Structure D	None		-1						
40	Structure Di	None						46		
41	Structure Wo (0 Deg)	None						92		
42	Structure Wo (30 Deg)	None						92		
43	Structure Wo (60 Deg)	None						92		
44	Structure Wo (90 Deg)	None						92		
45	Structure Wo (120 D...	None						92		
46	Structure Wo (150 D...	None						92		
47	Structure Wo (180 D...	None						92		
48	Structure Wo (210 D...	None						92		
49	Structure Wo (240 D...	None						92		
50	Structure Wo (270 D...	None						92		
51	Structure Wo (300 D...	None						92		
52	Structure Wo (330 D...	None						92		
53	Structure Wi (0 Deg)	None						92		
54	Structure Wi (30 Deg)	None						92		
55	Structure Wi (60 Deg)	None						92		
56	Structure Wi (90 Deg)	None						92		

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						92		
58	Structure Wi (150 De...	None						92		
59	Structure Wi (180 De...	None						92		
60	Structure Wi (210 De...	None						92		
61	Structure Wi (240 De...	None						92		
62	Structure Wi (270 De...	None						92		
63	Structure Wi (300 De...	None						92		
64	Structure Wi (330 De...	None						92		
65	Structure Wm (0 Deg)	None						92		
66	Structure Wm (30 De...	None						92		
67	Structure Wm (60 De...	None						92		
68	Structure Wm (90 De...	None						92		
69	Structure Wm (120 D...	None						92		
70	Structure Wm (150 D...	None						92		
71	Structure Wm (180 D...	None						92		
72	Structure Wm (210 D...	None						92		
73	Structure Wm (240 D...	None						92		
74	Structure Wm (270 D...	None						92		
75	Structure Wm (300 D...	None						92		
76	Structure Wm (330 D...	None						92		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Description	Sol...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 D...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 ...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 ...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 ...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										

Load Combinations (Continued)

	Description	Sol...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
29	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + ..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + ..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1....		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	-2	-3	2	0	
2	N4	-3	-3	0.267949	0	
3	N5	-2	-38	2	0	
4	N10	-54	-3	55	0	
5	N11	50	-3	55	0	
6	N11A	-92	-3	55	0	
7	N12	88	-3	55	0	
8	N14	-54	-38	55	0	
9	N15	50	-38	55	0	
10	N16	-92	-38	55	0	
11	N17	88	-38	55	0	
12	N17A	-4.101022	-3	4.141426	0	
13	N18	0.101022	-3	4.141426	0	
14	N19	-4.101022	-38	4.141426	0	
15	N20	0.101022	-38	4.141426	0	
16	N21	4.653236	-3	8.781183	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
17	N22	4.653236	-38	8.781183	0	
18	N23	24.963116	-3	29.481637	0	
19	N24	24.963116	-38	29.481637	0	
20	N25	45.272995	-3	50.182091	0	
21	N26	45.272995	-38	50.182091	0	
22	N27	4.653236	-36	8.781183	0	
23	N28	24.963116	-36	29.481637	0	
24	N29	4.653236	-5	8.781183	0	
25	N30	24.963116	-5	29.481637	0	
26	N31	45.272995	-36	50.182091	0	
27	N32	45.272995	-5	50.182091	0	
28	N33	-8.653236	-3	8.781183	0	
29	N34	-8.653236	-38	8.781183	0	
30	N35	-28.963116	-3	29.481637	0	
31	N36	-28.963116	-38	29.481637	0	
32	N37	-49.272995	-3	50.182091	0	
33	N38	-49.272995	-38	50.182091	0	
34	N39	-8.653236	-36	8.781183	0	
35	N40	-28.963116	-36	29.481637	0	
36	N41	-8.653236	-5	8.781183	0	
37	N42	-28.963116	-5	29.481637	0	
38	N43	-49.272995	-36	50.182091	0	
39	N44	-49.272995	-5	50.182091	0	
40	N65	-3	-38	0.267949	0	
41	N41A	84	-3	55	0	
42	N42A	84	-38	55	0	
43	N43A	84	-3	58	0	
44	N44A	84	-38	58	0	
45	N45	84	12	58	0	
46	N46	84	-48	58	0	
47	N47	-1	-3	55	0	
48	N48	-1	-38	55	0	
49	N49	-1	-3	58	0	
50	N50	-1	-38	58	0	
51	N51	-1	12	58	0	
52	N52	-1	-60	58	0	
53	N53	-87	-3	55	0	
54	N54	-87	-38	55	0	
55	N55	-87	-3	58	0	
56	N56	-87	-38	58	0	
57	N57	-87	12	58	0	
58	N58	-87	-48	58	0	
59	N59	43	-3	55	0	
60	N60	43	-38	55	0	
61	N61	43	-3	58	0	
62	N62	43	-38	58	0	
63	N63	43	29	58	0	
64	N64	43	-67	58	0	
65	N65A	-46	-3	55	0	
66	N66	-46	-38	55	0	
67	N67	-46	-3	58	0	
68	N68	-46	-38	58	0	
69	N69	-46	29	58	0	
70	N70	-46	-67	58	0	
71	N71	-78.8	-20.5	0.	0	
72	N72	-49.272995	-20.5	50.182091	0	
73	N73	-45.421122	-3	46.256143	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
74	N74	-45.421122	-38	46.256143	0	
75	N75	-47.421122	-3	44.256143	0	
76	N76	-47.421122	-38	44.256143	0	
77	N77	-47.421122	17.5	44.256143	0	
78	N78	-47.421122	-54.5	44.256143	0	
79	N80	41.421122	-3	46.256143	0	
80	N81	41.421122	-38	46.256143	0	
81	N82	43.421122	-3	44.256143	0	
82	N83	43.421122	-38	44.256143	0	
83	N84	43.421122	15.5	44.256143	0	
84	N85	43.421122	-56.5	44.256143	0	
85	N85A	-18.107835	-3	18.417601	0	
86	N86	-18.107835	-38	18.417601	0	
87	N89	-20.107835	-3	16.417601	0	
88	N90	-20.107835	-38	16.417601	0	
89	N91A	-20.107835	29	16.417601	0	
90	N92	-20.107835	-67	16.417601	0	
91	N91	-20.107835	-9	16.417601	0	
92	N92A	-20.107835	-32	16.417601	0	
93	N93	-18.958769	-9	15.45342	0	
94	N94	-18.958769	-32	15.45342	0	
95	N95	-21.256902	-9	17.381783	0	
96	N96	-21.256902	-32	17.381783	0	
97	N97	-16.25111	-9	21.013868	0	
98	N98	-16.25111	-32	21.013868	0	
99	N99	-15.102043	-9	20.049687	0	
100	N100	-15.102043	-32	20.049687	0	
101	N101	-17.400176	-9	21.97805	0	
102	N102	-17.400176	-32	21.97805	0	
103	N103	-16.25111	-4	21.013868	0	
104	N104	-16.25111	-38	21.013868	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Standoff Horizon...	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Vertical	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	HSS1.500x...	Column	Pipe	A53 Gr. B	Typical	.284	.074	.074	.147
5	Face Horizontal	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	Tie Back	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
7	Standoff Plate	PL3/8X3	Column	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
8	Threaded Rods	SR_.5	Beam	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
9	Dual Antenna	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M2	N1	N4			RIGID	None	None	RIGID	Typical
2	M5	N1	N17A		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
3	M6	N1	N18		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
4	M7	N11A	N12			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M8	N5	N19		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
6	M9	N5	N20		90	Standoff Plate	Column	RECT	A36 Gr.36	Typical
7	M10	N16	N17			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
8	M11	N17A	N10			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
9	M12	N18	N11			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
10	M13	N19	N14			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
11	M14	N20	N15			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
12	M15	N21	N29	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
13	M16	N21	N24		90	Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
14	M17	N23	N30	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
15	M18	N23	N26		90	Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
16	M19	N26	N31	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
17	M20	N27	N22	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
18	M21	N28	N24	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
19	M22	N29	N27	N1		Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
20	M23	N30	N28	N1		Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
21	M24	N31	N32	N1		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
22	M25	N32	N25	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
23	M26	N33	N41	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
24	M27	N33	N36		90	Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
25	M28	N35	N42	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
26	M29	N35	N38		90	Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
27	M30	N38	N43	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
28	M31	N39	N34	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
29	M32	N40	N36	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
30	M33	N41	N39	N1		Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
31	M34	N42	N40	N1		Standoff Diago...	Column	Pipe	A53 Gr. B	Typical
32	M35	N43	N44	N1		Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
33	M36	N44	N37	N1		Standoff Plate	Column	RECT	A36 Gr.36	Typical
34	M46A	N5	N65			RIGID	None	None	RIGID	Typical
35	M35A	N41A	N43A			RIGID	None	None	RIGID	Typical
36	M36A	N42A	N44A			RIGID	None	None	RIGID	Typical
37	MP1A	N45	N46			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	M38	N47	N49			RIGID	None	None	RIGID	Typical
39	M39	N48	N50			RIGID	None	None	RIGID	Typical
40	MP3A	N51	N52			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
41	M41	N53	N55			RIGID	None	None	RIGID	Typical
42	M42	N54	N56			RIGID	None	None	RIGID	Typical
43	MP5A	N57	N58			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	M44	N59	N61			RIGID	None	None	RIGID	Typical
45	M45	N60	N62			RIGID	None	None	RIGID	Typical
46	MP2A	N63	N64			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
47	M47	N65A	N67			RIGID	None	None	RIGID	Typical
48	M48	N66	N68			RIGID	None	None	RIGID	Typical
49	MP4A	N69	N70			Dual Antenna	Column	Pipe	A53 Gr. B	Typical
50	M50	N71	N72			Tie Back	Beam	Pipe	A53 Gr. B	Typical
51	M51	N73	N75			RIGID	None	None	RIGID	Typical
52	M52	N74	N76			RIGID	None	None	RIGID	Typical
53	M53	N77	N78			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
54	M54	N80	N82			RIGID	None	None	RIGID	Typical
55	M55	N81	N83			RIGID	None	None	RIGID	Typical
56	M56	N84	N85			Mount Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N85A	N89			RIGID	None	None	RIGID	Typical
58	M58	N86	N90			RIGID	None	None	RIGID	Typical
59	M59	N91A	N92			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
60	M60	N95	N91			RIGID	None	None	RIGID	Typical
61	M61	N91	N93			RIGID	None	None	RIGID	Typical
62	M62	N96	N92A			RIGID	None	None	RIGID	Typical
63	M63	N92A	N94			RIGID	None	None	RIGID	Typical
64	M64	N101	N97			RIGID	None	None	RIGID	Typical
65	M65	N97	N99			RIGID	None	None	RIGID	Typical
66	M66	N102	N98			RIGID	None	None	RIGID	Typical
67	M67	N98	N100			RIGID	None	None	RIGID	Typical
68	M68	N95	N101			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
69	M69	N93	N99			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
70	M70	N96	N102			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
71	M71	N94	N100			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
72	M72	N103	N104			Mount Pipe	Column	Pipe	A53 Gr. B	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	M2						Yes	** NA **			None
2	M5						Yes	** NA **			None
3	M6						Yes	** NA **			None
4	M7						Yes				None
5	M8						Yes	** NA **			None
6	M9						Yes	** NA **			None
7	M10						Yes				None
8	M11						Yes	Default			None
9	M12						Yes				None
10	M13						Yes				None
11	M14						Yes				None
12	M15						Yes	** NA **			None
13	M16	BenPIN	BenPIN				Yes	** NA **			None
14	M17						Yes	** NA **			None
15	M18	BenPIN	BenPIN				Yes	** NA **			None
16	M19						Yes	** NA **			None
17	M20						Yes	** NA **			None
18	M21						Yes	** NA **			None
19	M22	BenPIN	BenPIN				Yes	** NA **			None
20	M23	BenPIN	BenPIN				Yes	** NA **			None
21	M24	BenPIN	BenPIN				Yes	** NA **			None
22	M25						Yes	** NA **			None
23	M26						Yes	** NA **			None
24	M27	BenPIN	BenPIN				Yes	** NA **			None
25	M28						Yes	** NA **			None
26	M29	BenPIN	BenPIN				Yes	** NA **			None
27	M30						Yes	** NA **			None
28	M31						Yes	** NA **			None
29	M32						Yes	** NA **			None
30	M33	BenPIN	BenPIN				Yes	** NA **			None
31	M34	BenPIN	BenPIN				Yes	** NA **			None
32	M35	BenPIN	BenPIN				Yes	** NA **			None
33	M36						Yes	** NA **			None
34	M46A						Yes	** NA **			None
35	M35A						Yes	** NA **			None
36	M36A						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...
37	MP1A						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	MP3A						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	MP5A						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	MP2A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	MP4A						Yes	** NA **			None
50	M50		OOOOOO				Yes	Default			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64		OOOXOO				Yes	** NA **			None
65	M65	OOOXOX					Yes	** NA **			None
66	M66		OOOXOO				Yes	** NA **			None
67	M67	OOOXOX					Yes	** NA **			None
68	M68						Yes				None
69	M69						Yes				None
70	M70						Yes				None
71	M71						Yes				None
72	M72						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	Y	-23	6
2	MP4A	My	-.011	6
3	MP4A	Mz	.017	6
4	MP4A	Y	-23	66
5	MP4A	My	-.011	66
6	MP4A	Mz	.017	66
7	MP4A	Y	-23	6
8	MP4A	My	-.011	6
9	MP4A	Mz	-.017	6
10	MP4A	Y	-23	66
11	MP4A	My	-.011	66
12	MP4A	Mz	-.017	66
13	MP2A	Y	-43.55	24
14	MP2A	My	-.022	24
15	MP2A	Mz	0	24
16	MP2A	Y	-43.55	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	My	-.022	48
18	MP2A	Mz	0	48
19	M56	Y	-32	36
20	M56	My	0	36
21	M56	Mz	0	36
22	MP4A	Y	-70.3	48
23	MP4A	My	.035	48
24	MP4A	Mz	0	48
25	MP5A	Y	-74.7	30
26	MP5A	My	.037	30
27	MP5A	Mz	0	30
28	MP1A	Y	-6	3
29	MP1A	My	-.003	3
30	MP1A	Mz	0	3
31	MP1A	Y	-6	39
32	MP1A	My	-.003	39
33	MP1A	Mz	0	39

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	Y	-83.611	6
2	MP4A	My	-.042	6
3	MP4A	Mz	.063	6
4	MP4A	Y	-83.611	66
5	MP4A	My	-.042	66
6	MP4A	Mz	.063	66
7	MP4A	Y	-83.611	6
8	MP4A	My	-.042	6
9	MP4A	Mz	-.063	6
10	MP4A	Y	-83.611	66
11	MP4A	My	-.042	66
12	MP4A	Mz	-.063	66
13	MP2A	Y	-36.123	24
14	MP2A	My	-.018	24
15	MP2A	Mz	0	24
16	MP2A	Y	-36.123	48
17	MP2A	My	-.018	48
18	MP2A	Mz	0	48
19	M56	Y	-89.149	36
20	M56	My	0	36
21	M56	Mz	0	36
22	MP4A	Y	-43.381	48
23	MP4A	My	.022	48
24	MP4A	Mz	0	48
25	MP5A	Y	-45.552	30
26	MP5A	My	.023	30
27	MP5A	Mz	0	30
28	MP1A	Y	-31.175	3
29	MP1A	My	-.016	3
30	MP1A	Mz	0	3
31	MP1A	Y	-31.175	39
32	MP1A	My	-.016	39
33	MP1A	Mz	0	39

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	-228.577	6
3	MP4A	Mx	-.171	6
4	MP4A	X	0	66
5	MP4A	Z	-228.577	66
6	MP4A	Mx	-.171	66
7	MP4A	X	0	6
8	MP4A	Z	-228.577	6
9	MP4A	Mx	.171	6
10	MP4A	X	0	66
11	MP4A	Z	-228.577	66
12	MP4A	Mx	.171	66
13	MP2A	X	0	24
14	MP2A	Z	-108.846	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48
17	MP2A	Z	-108.846	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	-176.904	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	-86.614	48
24	MP4A	Mx	0	48
25	MP5A	X	0	30
26	MP5A	Z	-86.614	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	-82.445	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	-82.445	39
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	106.958	6
2	MP4A	Z	-185.257	6
3	MP4A	Mx	-.192	6
4	MP4A	X	106.958	66
5	MP4A	Z	-185.257	66
6	MP4A	Mx	-.192	66
7	MP4A	X	106.958	6
8	MP4A	Z	-185.257	6
9	MP4A	Mx	.085	6
10	MP4A	X	106.958	66
11	MP4A	Z	-185.257	66
12	MP4A	Mx	.085	66
13	MP2A	X	46.144	24
14	MP2A	Z	-79.924	24
15	MP2A	Mx	-.023	24
16	MP2A	X	46.144	48
17	MP2A	Z	-79.924	48
18	MP2A	Mx	-.023	48
19	M56	X	77.307	36
20	M56	Z	-133.899	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	M56	Mx	0	36
22	MP4A	X	39.066	48
23	MP4A	Z	-67.664	48
24	MP4A	Mx	.02	48
25	MP5A	X	39.717	30
26	MP5A	Z	-68.792	30
27	MP5A	Mx	.02	30
28	MP1A	X	39.002	3
29	MP1A	Z	-67.553	3
30	MP1A	Mx	-.02	3
31	MP1A	X	39.002	39
32	MP1A	Z	-67.553	39
33	MP1A	Mx	-.02	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	159.866	6
2	MP4A	Z	-92.299	6
3	MP4A	Mx	-.149	6
4	MP4A	X	159.866	66
5	MP4A	Z	-92.299	66
6	MP4A	Mx	-.149	66
7	MP4A	X	159.866	6
8	MP4A	Z	-92.299	6
9	MP4A	Mx	-.011	6
10	MP4A	X	159.866	66
11	MP4A	Z	-92.299	66
12	MP4A	Mx	-.011	66
13	MP2A	X	51.244	24
14	MP2A	Z	-29.586	24
15	MP2A	Mx	-.026	24
16	MP2A	X	51.244	48
17	MP2A	Z	-29.586	48
18	MP2A	Mx	-.026	48
19	M56	X	124.247	36
20	M56	Z	-71.734	36
21	M56	Mx	0	36
22	MP4A	X	52.973	48
23	MP4A	Z	-30.584	48
24	MP4A	Mx	.026	48
25	MP5A	X	56.357	30
26	MP5A	Z	-32.538	30
27	MP5A	Mx	.028	30
28	MP1A	X	59.86	3
29	MP1A	Z	-34.56	3
30	MP1A	Mx	-.03	3
31	MP1A	X	59.86	39
32	MP1A	Z	-34.56	39
33	MP1A	Mx	-.03	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	169.938	6
2	MP4A	Z	0	6
3	MP4A	Mx	-.085	6
4	MP4A	X	169.938	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP4A	Z	0	66
6	MP4A	Mx	-.085	66
7	MP4A	X	169.938	6
8	MP4A	Z	0	6
9	MP4A	Mx	-.085	6
10	MP4A	X	169.938	66
11	MP4A	Z	0	66
12	MP4A	Mx	-.085	66
13	MP2A	X	42.613	24
14	MP2A	Z	0	24
15	MP2A	Mx	-.021	24
16	MP2A	X	42.613	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.021	48
19	M56	X	154.613	36
20	M56	Z	0	36
21	M56	Mx	0	36
22	MP4A	X	52.686	48
23	MP4A	Z	0	48
24	MP4A	Mx	.026	48
25	MP5A	X	57.897	30
26	MP5A	Z	0	30
27	MP5A	Mx	.029	30
28	MP1A	X	64.678	3
29	MP1A	Z	0	3
30	MP1A	Mx	-.032	3
31	MP1A	X	64.678	39
32	MP1A	Z	0	39
33	MP1A	Mx	-.032	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	159.866	6
2	MP4A	Z	92.299	6
3	MP4A	Mx	-.011	6
4	MP4A	X	159.866	66
5	MP4A	Z	92.299	66
6	MP4A	Mx	-.011	66
7	MP4A	X	159.866	6
8	MP4A	Z	92.299	6
9	MP4A	Mx	-.149	6
10	MP4A	X	159.866	66
11	MP4A	Z	92.299	66
12	MP4A	Mx	-.149	66
13	MP2A	X	51.244	24
14	MP2A	Z	29.586	24
15	MP2A	Mx	-.026	24
16	MP2A	X	51.244	48
17	MP2A	Z	29.586	48
18	MP2A	Mx	-.026	48
19	M56	X	153.203	36
20	M56	Z	88.452	36
21	M56	Mx	0	36
22	MP4A	X	52.973	48
23	MP4A	Z	30.584	48
24	MP4A	Mx	.026	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP5A	X	56.357	30
26	MP5A	Z	32.538	30
27	MP5A	Mx	.028	30
28	MP1A	X	59.86	3
29	MP1A	Z	34.56	3
30	MP1A	Mx	-.03	3
31	MP1A	X	59.86	39
32	MP1A	Z	34.56	39
33	MP1A	Mx	-.03	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	106.958	6
2	MP4A	Z	185.257	6
3	MP4A	Mx	.085	6
4	MP4A	X	106.958	66
5	MP4A	Z	185.257	66
6	MP4A	Mx	.085	66
7	MP4A	X	106.958	6
8	MP4A	Z	185.257	6
9	MP4A	Mx	-.192	6
10	MP4A	X	106.958	66
11	MP4A	Z	185.257	66
12	MP4A	Mx	-.192	66
13	MP2A	X	46.144	24
14	MP2A	Z	79.924	24
15	MP2A	Mx	-.023	24
16	MP2A	X	46.144	48
17	MP2A	Z	79.924	48
18	MP2A	Mx	-.023	48
19	M56	X	94.024	36
20	M56	Z	162.855	36
21	M56	Mx	0	36
22	MP4A	X	39.066	48
23	MP4A	Z	67.664	48
24	MP4A	Mx	.02	48
25	MP5A	X	39.717	30
26	MP5A	Z	68.792	30
27	MP5A	Mx	.02	30
28	MP1A	X	39.002	3
29	MP1A	Z	67.553	3
30	MP1A	Mx	-.02	3
31	MP1A	X	39.002	39
32	MP1A	Z	67.553	39
33	MP1A	Mx	-.02	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	228.577	6
3	MP4A	Mx	.171	6
4	MP4A	X	0	66
5	MP4A	Z	228.577	66
6	MP4A	Mx	.171	66
7	MP4A	X	0	6
8	MP4A	Z	228.577	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP4A	Mx	-.171	6
10	MP4A	X	0	66
11	MP4A	Z	228.577	66
12	MP4A	Mx	-.171	66
13	MP2A	X	0	24
14	MP2A	Z	108.846	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48
17	MP2A	Z	108.846	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	176.904	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	86.614	48
24	MP4A	Mx	0	48
25	MP5A	X	0	30
26	MP5A	Z	86.614	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	82.445	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	82.445	39
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-106.958	6
2	MP4A	Z	185.257	6
3	MP4A	Mx	.192	6
4	MP4A	X	-106.958	66
5	MP4A	Z	185.257	66
6	MP4A	Mx	.192	66
7	MP4A	X	-106.958	6
8	MP4A	Z	185.257	6
9	MP4A	Mx	-.085	6
10	MP4A	X	-106.958	66
11	MP4A	Z	185.257	66
12	MP4A	Mx	-.085	66
13	MP2A	X	-46.144	24
14	MP2A	Z	79.924	24
15	MP2A	Mx	.023	24
16	MP2A	X	-46.144	48
17	MP2A	Z	79.924	48
18	MP2A	Mx	.023	48
19	M56	X	-77.307	36
20	M56	Z	133.899	36
21	M56	Mx	0	36
22	MP4A	X	-39.066	48
23	MP4A	Z	67.664	48
24	MP4A	Mx	-.02	48
25	MP5A	X	-39.717	30
26	MP5A	Z	68.792	30
27	MP5A	Mx	-.02	30
28	MP1A	X	-39.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1A	Z	67.553	3
30	MP1A	Mx	.02	3
31	MP1A	X	-39.002	39
32	MP1A	Z	67.553	39
33	MP1A	Mx	.02	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-159.866	6
2	MP4A	Z	92.299	6
3	MP4A	Mx	.149	6
4	MP4A	X	-159.866	66
5	MP4A	Z	92.299	66
6	MP4A	Mx	.149	66
7	MP4A	X	-159.866	6
8	MP4A	Z	92.299	6
9	MP4A	Mx	.011	6
10	MP4A	X	-159.866	66
11	MP4A	Z	92.299	66
12	MP4A	Mx	.011	66
13	MP2A	X	-51.244	24
14	MP2A	Z	29.586	24
15	MP2A	Mx	.026	24
16	MP2A	X	-51.244	48
17	MP2A	Z	29.586	48
18	MP2A	Mx	.026	48
19	M56	X	-124.247	36
20	M56	Z	71.734	36
21	M56	Mx	0	36
22	MP4A	X	-52.973	48
23	MP4A	Z	30.584	48
24	MP4A	Mx	-.026	48
25	MP5A	X	-56.357	30
26	MP5A	Z	32.538	30
27	MP5A	Mx	-.028	30
28	MP1A	X	-59.86	3
29	MP1A	Z	34.56	3
30	MP1A	Mx	.03	3
31	MP1A	X	-59.86	39
32	MP1A	Z	34.56	39
33	MP1A	Mx	.03	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-169.938	6
2	MP4A	Z	0	6
3	MP4A	Mx	.085	6
4	MP4A	X	-169.938	66
5	MP4A	Z	0	66
6	MP4A	Mx	.085	66
7	MP4A	X	-169.938	6
8	MP4A	Z	0	6
9	MP4A	Mx	.085	6
10	MP4A	X	-169.938	66
11	MP4A	Z	0	66
12	MP4A	Mx	.085	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2A	X	-42.613	24
14	MP2A	Z	0	24
15	MP2A	Mx	.021	24
16	MP2A	X	-42.613	48
17	MP2A	Z	0	48
18	MP2A	Mx	.021	48
19	M56	X	-154.613	36
20	M56	Z	0	36
21	M56	Mx	0	36
22	MP4A	X	-52.686	48
23	MP4A	Z	0	48
24	MP4A	Mx	-.026	48
25	MP5A	X	-57.897	30
26	MP5A	Z	0	30
27	MP5A	Mx	-.029	30
28	MP1A	X	-64.678	3
29	MP1A	Z	0	3
30	MP1A	Mx	.032	3
31	MP1A	X	-64.678	39
32	MP1A	Z	0	39
33	MP1A	Mx	.032	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-159.866	6
2	MP4A	Z	-92.299	6
3	MP4A	Mx	.011	6
4	MP4A	X	-159.866	66
5	MP4A	Z	-92.299	66
6	MP4A	Mx	.011	66
7	MP4A	X	-159.866	6
8	MP4A	Z	-92.299	6
9	MP4A	Mx	.149	6
10	MP4A	X	-159.866	66
11	MP4A	Z	-92.299	66
12	MP4A	Mx	.149	66
13	MP2A	X	-51.244	24
14	MP2A	Z	-29.586	24
15	MP2A	Mx	.026	24
16	MP2A	X	-51.244	48
17	MP2A	Z	-29.586	48
18	MP2A	Mx	.026	48
19	M56	X	-153.203	36
20	M56	Z	-88.452	36
21	M56	Mx	0	36
22	MP4A	X	-52.973	48
23	MP4A	Z	-30.584	48
24	MP4A	Mx	-.026	48
25	MP5A	X	-56.357	30
26	MP5A	Z	-32.538	30
27	MP5A	Mx	-.028	30
28	MP1A	X	-59.86	3
29	MP1A	Z	-34.56	3
30	MP1A	Mx	.03	3
31	MP1A	X	-59.86	39
32	MP1A	Z	-34.56	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1A	Mx	.03	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-106.958	6
2	MP4A	Z	-185.257	6
3	MP4A	Mx	-.085	6
4	MP4A	X	-106.958	66
5	MP4A	Z	-185.257	66
6	MP4A	Mx	-.085	66
7	MP4A	X	-106.958	6
8	MP4A	Z	-185.257	6
9	MP4A	Mx	.192	6
10	MP4A	X	-106.958	66
11	MP4A	Z	-185.257	66
12	MP4A	Mx	.192	66
13	MP2A	X	-46.144	24
14	MP2A	Z	-79.924	24
15	MP2A	Mx	.023	24
16	MP2A	X	-46.144	48
17	MP2A	Z	-79.924	48
18	MP2A	Mx	.023	48
19	M56	X	-94.024	36
20	M56	Z	-162.855	36
21	M56	Mx	0	36
22	MP4A	X	-39.066	48
23	MP4A	Z	-67.664	48
24	MP4A	Mx	-.02	48
25	MP5A	X	-39.717	30
26	MP5A	Z	-68.792	30
27	MP5A	Mx	-.02	30
28	MP1A	X	-39.002	3
29	MP1A	Z	-67.553	3
30	MP1A	Mx	.02	3
31	MP1A	X	-39.002	39
32	MP1A	Z	-67.553	39
33	MP1A	Mx	.02	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	-40.571	6
3	MP4A	Mx	-.03	6
4	MP4A	X	0	66
5	MP4A	Z	-40.571	66
6	MP4A	Mx	-.03	66
7	MP4A	X	0	6
8	MP4A	Z	-40.571	6
9	MP4A	Mx	.03	6
10	MP4A	X	0	66
11	MP4A	Z	-40.571	66
12	MP4A	Mx	.03	66
13	MP2A	X	0	24
14	MP2A	Z	-20.023	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	-20.023	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	-32.795	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	-16.888	48
24	MP4A	Mx	0	48
25	MP5A	X	0	30
26	MP5A	Z	-16.888	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	-15.606	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	-15.606	39
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	19.051	6
2	MP4A	Z	-32.998	6
3	MP4A	Mx	-.034	6
4	MP4A	X	19.051	66
5	MP4A	Z	-32.998	66
6	MP4A	Mx	-.034	66
7	MP4A	X	19.051	6
8	MP4A	Z	-32.998	6
9	MP4A	Mx	.015	6
10	MP4A	X	19.051	66
11	MP4A	Z	-32.998	66
12	MP4A	Mx	.015	66
13	MP2A	X	8.576	24
14	MP2A	Z	-14.854	24
15	MP2A	Mx	-.004	24
16	MP2A	X	8.576	48
17	MP2A	Z	-14.854	48
18	MP2A	Mx	-.004	48
19	M56	X	14.509	36
20	M56	Z	-25.13	36
21	M56	Mx	0	36
22	MP4A	X	7.686	48
23	MP4A	Z	-13.313	48
24	MP4A	Mx	.004	48
25	MP5A	X	7.802	30
26	MP5A	Z	-13.513	30
27	MP5A	Mx	.004	30
28	MP1A	X	7.428	3
29	MP1A	Z	-12.865	3
30	MP1A	Mx	-.004	3
31	MP1A	X	7.428	39
32	MP1A	Z	-12.865	39
33	MP1A	Mx	-.004	39

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	28.724	6
2	MP4A	Z	-16.584	6
3	MP4A	Mx	-.027	6
4	MP4A	X	28.724	66
5	MP4A	Z	-16.584	66
6	MP4A	Mx	-.027	66
7	MP4A	X	28.724	6
8	MP4A	Z	-16.584	6
9	MP4A	Mx	-.002	6
10	MP4A	X	28.724	66
11	MP4A	Z	-16.584	66
12	MP4A	Mx	-.002	66
13	MP2A	X	9.881	24
14	MP2A	Z	-5.705	24
15	MP2A	Mx	-.005	24
16	MP2A	X	9.881	48
17	MP2A	Z	-5.705	48
18	MP2A	Mx	-.005	48
19	M56	X	23.495	36
20	M56	Z	-13.565	36
21	M56	Mx	0	36
22	MP4A	X	10.69	48
23	MP4A	Z	-6.172	48
24	MP4A	Mx	.005	48
25	MP5A	X	11.29	30
26	MP5A	Z	-6.518	30
27	MP5A	Mx	.006	30
28	MP1A	X	11.565	3
29	MP1A	Z	-6.677	3
30	MP1A	Mx	-.006	3
31	MP1A	X	11.565	39
32	MP1A	Z	-6.677	39
33	MP1A	Mx	-.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	30.699	6
2	MP4A	Z	0	6
3	MP4A	Mx	-.015	6
4	MP4A	X	30.699	66
5	MP4A	Z	0	66
6	MP4A	Mx	-.015	66
7	MP4A	X	30.699	6
8	MP4A	Z	0	6
9	MP4A	Mx	-.015	6
10	MP4A	X	30.699	66
11	MP4A	Z	0	66
12	MP4A	Mx	-.015	66
13	MP2A	X	8.538	24
14	MP2A	Z	0	24
15	MP2A	Mx	-.004	24
16	MP2A	X	8.538	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.004	48
19	M56	X	29.018	36
20	M56	Z	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	M56	Mx	0	36
22	MP4A	X	10.829	48
23	MP4A	Z	0	48
24	MP4A	Mx	.005	48
25	MP5A	X	11.753	30
26	MP5A	Z	0	30
27	MP5A	Mx	.006	30
28	MP1A	X	12.604	3
29	MP1A	Z	0	3
30	MP1A	Mx	-.006	3
31	MP1A	X	12.604	39
32	MP1A	Z	0	39
33	MP1A	Mx	-.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	28.724	6
2	MP4A	Z	16.584	6
3	MP4A	Mx	-.002	6
4	MP4A	X	28.724	66
5	MP4A	Z	16.584	66
6	MP4A	Mx	-.002	66
7	MP4A	X	28.724	6
8	MP4A	Z	16.584	6
9	MP4A	Mx	-.027	6
10	MP4A	X	28.724	66
11	MP4A	Z	16.584	66
12	MP4A	Mx	-.027	66
13	MP2A	X	9.881	24
14	MP2A	Z	5.705	24
15	MP2A	Mx	-.005	24
16	MP2A	X	9.881	48
17	MP2A	Z	5.705	48
18	MP2A	Mx	-.005	48
19	M56	X	28.401	36
20	M56	Z	16.397	36
21	M56	Mx	0	36
22	MP4A	X	10.69	48
23	MP4A	Z	6.172	48
24	MP4A	Mx	.005	48
25	MP5A	X	11.29	30
26	MP5A	Z	6.518	30
27	MP5A	Mx	.006	30
28	MP1A	X	11.565	3
29	MP1A	Z	6.677	3
30	MP1A	Mx	-.006	3
31	MP1A	X	11.565	39
32	MP1A	Z	6.677	39
33	MP1A	Mx	-.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	19.051	6
2	MP4A	Z	32.998	6
3	MP4A	Mx	.015	6
4	MP4A	X	19.051	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP4A	Z	32.998	66
6	MP4A	Mx	.015	66
7	MP4A	X	19.051	6
8	MP4A	Z	32.998	6
9	MP4A	Mx	-.034	6
10	MP4A	X	19.051	66
11	MP4A	Z	32.998	66
12	MP4A	Mx	-.034	66
13	MP2A	X	8.576	24
14	MP2A	Z	14.854	24
15	MP2A	Mx	-.004	24
16	MP2A	X	8.576	48
17	MP2A	Z	14.854	48
18	MP2A	Mx	-.004	48
19	M56	X	17.342	36
20	M56	Z	30.037	36
21	M56	Mx	0	36
22	MP4A	X	7.686	48
23	MP4A	Z	13.313	48
24	MP4A	Mx	.004	48
25	MP5A	X	7.802	30
26	MP5A	Z	13.513	30
27	MP5A	Mx	.004	30
28	MP1A	X	7.428	3
29	MP1A	Z	12.865	3
30	MP1A	Mx	-.004	3
31	MP1A	X	7.428	39
32	MP1A	Z	12.865	39
33	MP1A	Mx	-.004	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	40.571	6
3	MP4A	Mx	.03	6
4	MP4A	X	0	66
5	MP4A	Z	40.571	66
6	MP4A	Mx	.03	66
7	MP4A	X	0	6
8	MP4A	Z	40.571	6
9	MP4A	Mx	-.03	6
10	MP4A	X	0	66
11	MP4A	Z	40.571	66
12	MP4A	Mx	-.03	66
13	MP2A	X	0	24
14	MP2A	Z	20.023	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48
17	MP2A	Z	20.023	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	32.795	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	16.888	48
24	MP4A	Mx	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP5A	X	0	30
26	MP5A	Z	16.888	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	15.606	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	15.606	39
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-19.051	6
2	MP4A	Z	32.998	6
3	MP4A	Mx	.034	6
4	MP4A	X	-19.051	66
5	MP4A	Z	32.998	66
6	MP4A	Mx	.034	66
7	MP4A	X	-19.051	6
8	MP4A	Z	32.998	6
9	MP4A	Mx	-.015	6
10	MP4A	X	-19.051	66
11	MP4A	Z	32.998	66
12	MP4A	Mx	-.015	66
13	MP2A	X	-8.576	24
14	MP2A	Z	14.854	24
15	MP2A	Mx	.004	24
16	MP2A	X	-8.576	48
17	MP2A	Z	14.854	48
18	MP2A	Mx	.004	48
19	M56	X	-14.509	36
20	M56	Z	25.13	36
21	M56	Mx	0	36
22	MP4A	X	-7.686	48
23	MP4A	Z	13.313	48
24	MP4A	Mx	-.004	48
25	MP5A	X	-7.802	30
26	MP5A	Z	13.513	30
27	MP5A	Mx	-.004	30
28	MP1A	X	-7.428	3
29	MP1A	Z	12.865	3
30	MP1A	Mx	.004	3
31	MP1A	X	-7.428	39
32	MP1A	Z	12.865	39
33	MP1A	Mx	.004	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-28.724	6
2	MP4A	Z	16.584	6
3	MP4A	Mx	.027	6
4	MP4A	X	-28.724	66
5	MP4A	Z	16.584	66
6	MP4A	Mx	.027	66
7	MP4A	X	-28.724	6
8	MP4A	Z	16.584	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP4A	Mx	.002	6
10	MP4A	X	-28.724	66
11	MP4A	Z	16.584	66
12	MP4A	Mx	.002	66
13	MP2A	X	-9.881	24
14	MP2A	Z	5.705	24
15	MP2A	Mx	.005	24
16	MP2A	X	-9.881	48
17	MP2A	Z	5.705	48
18	MP2A	Mx	.005	48
19	M56	X	-23.495	36
20	M56	Z	13.565	36
21	M56	Mx	0	36
22	MP4A	X	-10.69	48
23	MP4A	Z	6.172	48
24	MP4A	Mx	-.005	48
25	MP5A	X	-11.29	30
26	MP5A	Z	6.518	30
27	MP5A	Mx	-.006	30
28	MP1A	X	-11.565	3
29	MP1A	Z	6.677	3
30	MP1A	Mx	.006	3
31	MP1A	X	-11.565	39
32	MP1A	Z	6.677	39
33	MP1A	Mx	.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-30.699	6
2	MP4A	Z	0	6
3	MP4A	Mx	.015	6
4	MP4A	X	-30.699	66
5	MP4A	Z	0	66
6	MP4A	Mx	.015	66
7	MP4A	X	-30.699	6
8	MP4A	Z	0	6
9	MP4A	Mx	.015	6
10	MP4A	X	-30.699	66
11	MP4A	Z	0	66
12	MP4A	Mx	.015	66
13	MP2A	X	-8.538	24
14	MP2A	Z	0	24
15	MP2A	Mx	.004	24
16	MP2A	X	-8.538	48
17	MP2A	Z	0	48
18	MP2A	Mx	.004	48
19	M56	X	-29.018	36
20	M56	Z	0	36
21	M56	Mx	0	36
22	MP4A	X	-10.829	48
23	MP4A	Z	0	48
24	MP4A	Mx	-.005	48
25	MP5A	X	-11.753	30
26	MP5A	Z	0	30
27	MP5A	Mx	-.006	30
28	MP1A	X	-12.604	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1A	Z	0	3
30	MP1A	Mx	.006	3
31	MP1A	X	-12.604	39
32	MP1A	Z	0	39
33	MP1A	Mx	.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-28.724	6
2	MP4A	Z	-16.584	6
3	MP4A	Mx	.002	6
4	MP4A	X	-28.724	66
5	MP4A	Z	-16.584	66
6	MP4A	Mx	.002	66
7	MP4A	X	-28.724	6
8	MP4A	Z	-16.584	6
9	MP4A	Mx	.027	6
10	MP4A	X	-28.724	66
11	MP4A	Z	-16.584	66
12	MP4A	Mx	.027	66
13	MP2A	X	-9.881	24
14	MP2A	Z	-5.705	24
15	MP2A	Mx	.005	24
16	MP2A	X	-9.881	48
17	MP2A	Z	-5.705	48
18	MP2A	Mx	.005	48
19	M56	X	-28.401	36
20	M56	Z	-16.397	36
21	M56	Mx	0	36
22	MP4A	X	-10.69	48
23	MP4A	Z	-6.172	48
24	MP4A	Mx	-.005	48
25	MP5A	X	-11.29	30
26	MP5A	Z	-6.518	30
27	MP5A	Mx	-.006	30
28	MP1A	X	-11.565	3
29	MP1A	Z	-6.677	3
30	MP1A	Mx	.006	3
31	MP1A	X	-11.565	39
32	MP1A	Z	-6.677	39
33	MP1A	Mx	.006	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-19.051	6
2	MP4A	Z	-32.998	6
3	MP4A	Mx	-.015	6
4	MP4A	X	-19.051	66
5	MP4A	Z	-32.998	66
6	MP4A	Mx	-.015	66
7	MP4A	X	-19.051	6
8	MP4A	Z	-32.998	6
9	MP4A	Mx	.034	6
10	MP4A	X	-19.051	66
11	MP4A	Z	-32.998	66
12	MP4A	Mx	.034	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2A	X	-8.576	24
14	MP2A	Z	-14.854	24
15	MP2A	Mx	.004	24
16	MP2A	X	-8.576	48
17	MP2A	Z	-14.854	48
18	MP2A	Mx	.004	48
19	M56	X	-17.342	36
20	M56	Z	-30.037	36
21	M56	Mx	0	36
22	MP4A	X	-7.686	48
23	MP4A	Z	-13.313	48
24	MP4A	Mx	-.004	48
25	MP5A	X	-7.802	30
26	MP5A	Z	-13.513	30
27	MP5A	Mx	-.004	30
28	MP1A	X	-7.428	3
29	MP1A	Z	-12.865	3
30	MP1A	Mx	.004	3
31	MP1A	X	-7.428	39
32	MP1A	Z	-12.865	39
33	MP1A	Mx	.004	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	-13.379	6
3	MP4A	Mx	-.01	6
4	MP4A	X	0	66
5	MP4A	Z	-13.379	66
6	MP4A	Mx	-.01	66
7	MP4A	X	0	6
8	MP4A	Z	-13.379	6
9	MP4A	Mx	.01	6
10	MP4A	X	0	66
11	MP4A	Z	-13.379	66
12	MP4A	Mx	.01	66
13	MP2A	X	0	24
14	MP2A	Z	-6.371	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48
17	MP2A	Z	-6.371	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	-10.355	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	-5.07	48
24	MP4A	Mx	0	48
25	MP5A	X	0	30
26	MP5A	Z	-5.07	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	-4.826	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	-4.826	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	6.261	6
2	MP4A	Z	-10.844	6
3	MP4A	Mx	-.011	6
4	MP4A	X	6.261	66
5	MP4A	Z	-10.844	66
6	MP4A	Mx	-.011	66
7	MP4A	X	6.261	6
8	MP4A	Z	-10.844	6
9	MP4A	Mx	.005	6
10	MP4A	X	6.261	66
11	MP4A	Z	-10.844	66
12	MP4A	Mx	.005	66
13	MP2A	X	2.701	24
14	MP2A	Z	-4.678	24
15	MP2A	Mx	-.001	24
16	MP2A	X	2.701	48
17	MP2A	Z	-4.678	48
18	MP2A	Mx	-.001	48
19	M56	X	4.525	36
20	M56	Z	-7.837	36
21	M56	Mx	0	36
22	MP4A	X	2.287	48
23	MP4A	Z	-3.961	48
24	MP4A	Mx	.001	48
25	MP5A	X	2.325	30
26	MP5A	Z	-4.027	30
27	MP5A	Mx	.001	30
28	MP1A	X	2.283	3
29	MP1A	Z	-3.954	3
30	MP1A	Mx	-.001	3
31	MP1A	X	2.283	39
32	MP1A	Z	-3.954	39
33	MP1A	Mx	-.001	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	9.357	6
2	MP4A	Z	-5.403	6
3	MP4A	Mx	-.009	6
4	MP4A	X	9.357	66
5	MP4A	Z	-5.403	66
6	MP4A	Mx	-.009	66
7	MP4A	X	9.357	6
8	MP4A	Z	-5.403	6
9	MP4A	Mx	-.000626	6
10	MP4A	X	9.357	66
11	MP4A	Z	-5.403	66
12	MP4A	Mx	-.000626	66
13	MP2A	X	2.999	24
14	MP2A	Z	-1.732	24
15	MP2A	Mx	-.002	24
16	MP2A	X	2.999	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	-1.732	48
18	MP2A	Mx	-.002	48
19	M56	X	7.273	36
20	M56	Z	-4.199	36
21	M56	Mx	0	36
22	MP4A	X	3.101	48
23	MP4A	Z	-1.79	48
24	MP4A	Mx	.002	48
25	MP5A	X	3.299	30
26	MP5A	Z	-1.905	30
27	MP5A	Mx	.002	30
28	MP1A	X	3.504	3
29	MP1A	Z	-2.023	3
30	MP1A	Mx	-.002	3
31	MP1A	X	3.504	39
32	MP1A	Z	-2.023	39
33	MP1A	Mx	-.002	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	9.947	6
2	MP4A	Z	0	6
3	MP4A	Mx	-.005	6
4	MP4A	X	9.947	66
5	MP4A	Z	0	66
6	MP4A	Mx	-.005	66
7	MP4A	X	9.947	6
8	MP4A	Z	0	6
9	MP4A	Mx	-.005	6
10	MP4A	X	9.947	66
11	MP4A	Z	0	66
12	MP4A	Mx	-.005	66
13	MP2A	X	2.494	24
14	MP2A	Z	0	24
15	MP2A	Mx	-.001	24
16	MP2A	X	2.494	48
17	MP2A	Z	0	48
18	MP2A	Mx	-.001	48
19	M56	X	9.05	36
20	M56	Z	0	36
21	M56	Mx	0	36
22	MP4A	X	3.084	48
23	MP4A	Z	0	48
24	MP4A	Mx	.002	48
25	MP5A	X	3.389	30
26	MP5A	Z	0	30
27	MP5A	Mx	.002	30
28	MP1A	X	3.786	3
29	MP1A	Z	0	3
30	MP1A	Mx	-.002	3
31	MP1A	X	3.786	39
32	MP1A	Z	0	39
33	MP1A	Mx	-.002	39

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	9.357	6
2	MP4A	Z	5.403	6
3	MP4A	Mx	-.000626	6
4	MP4A	X	9.357	66
5	MP4A	Z	5.403	66
6	MP4A	Mx	-.000626	66
7	MP4A	X	9.357	6
8	MP4A	Z	5.403	6
9	MP4A	Mx	-.009	6
10	MP4A	X	9.357	66
11	MP4A	Z	5.403	66
12	MP4A	Mx	-.009	66
13	MP2A	X	2.999	24
14	MP2A	Z	1.732	24
15	MP2A	Mx	-.002	24
16	MP2A	X	2.999	48
17	MP2A	Z	1.732	48
18	MP2A	Mx	-.002	48
19	M56	X	8.967	36
20	M56	Z	5.177	36
21	M56	Mx	0	36
22	MP4A	X	3.101	48
23	MP4A	Z	1.79	48
24	MP4A	Mx	.002	48
25	MP5A	X	3.299	30
26	MP5A	Z	1.905	30
27	MP5A	Mx	.002	30
28	MP1A	X	3.504	3
29	MP1A	Z	2.023	3
30	MP1A	Mx	-.002	3
31	MP1A	X	3.504	39
32	MP1A	Z	2.023	39
33	MP1A	Mx	-.002	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	6.261	6
2	MP4A	Z	10.844	6
3	MP4A	Mx	.005	6
4	MP4A	X	6.261	66
5	MP4A	Z	10.844	66
6	MP4A	Mx	.005	66
7	MP4A	X	6.261	6
8	MP4A	Z	10.844	6
9	MP4A	Mx	-.011	6
10	MP4A	X	6.261	66
11	MP4A	Z	10.844	66
12	MP4A	Mx	-.011	66
13	MP2A	X	2.701	24
14	MP2A	Z	4.678	24
15	MP2A	Mx	-.001	24
16	MP2A	X	2.701	48
17	MP2A	Z	4.678	48
18	MP2A	Mx	-.001	48
19	M56	X	5.504	36
20	M56	Z	9.532	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	M56	Mx	0	36
22	MP4A	X	2.287	48
23	MP4A	Z	3.961	48
24	MP4A	Mx	.001	48
25	MP5A	X	2.325	30
26	MP5A	Z	4.027	30
27	MP5A	Mx	.001	30
28	MP1A	X	2.283	3
29	MP1A	Z	3.954	3
30	MP1A	Mx	-.001	3
31	MP1A	X	2.283	39
32	MP1A	Z	3.954	39
33	MP1A	Mx	-.001	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	0	6
2	MP4A	Z	13.379	6
3	MP4A	Mx	.01	6
4	MP4A	X	0	66
5	MP4A	Z	13.379	66
6	MP4A	Mx	.01	66
7	MP4A	X	0	6
8	MP4A	Z	13.379	6
9	MP4A	Mx	-.01	6
10	MP4A	X	0	66
11	MP4A	Z	13.379	66
12	MP4A	Mx	-.01	66
13	MP2A	X	0	24
14	MP2A	Z	6.371	24
15	MP2A	Mx	0	24
16	MP2A	X	0	48
17	MP2A	Z	6.371	48
18	MP2A	Mx	0	48
19	M56	X	0	36
20	M56	Z	10.355	36
21	M56	Mx	0	36
22	MP4A	X	0	48
23	MP4A	Z	5.07	48
24	MP4A	Mx	0	48
25	MP5A	X	0	30
26	MP5A	Z	5.07	30
27	MP5A	Mx	0	30
28	MP1A	X	0	3
29	MP1A	Z	4.826	3
30	MP1A	Mx	0	3
31	MP1A	X	0	39
32	MP1A	Z	4.826	39
33	MP1A	Mx	0	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-6.261	6
2	MP4A	Z	10.844	6
3	MP4A	Mx	.011	6
4	MP4A	X	-6.261	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP4A	Z	10.844	66
6	MP4A	Mx	.011	66
7	MP4A	X	-6.261	6
8	MP4A	Z	10.844	6
9	MP4A	Mx	-.005	6
10	MP4A	X	-6.261	66
11	MP4A	Z	10.844	66
12	MP4A	Mx	-.005	66
13	MP2A	X	-2.701	24
14	MP2A	Z	4.678	24
15	MP2A	Mx	.001	24
16	MP2A	X	-2.701	48
17	MP2A	Z	4.678	48
18	MP2A	Mx	.001	48
19	M56	X	-4.525	36
20	M56	Z	7.837	36
21	M56	Mx	0	36
22	MP4A	X	-2.287	48
23	MP4A	Z	3.961	48
24	MP4A	Mx	-.001	48
25	MP5A	X	-2.325	30
26	MP5A	Z	4.027	30
27	MP5A	Mx	-.001	30
28	MP1A	X	-2.283	3
29	MP1A	Z	3.954	3
30	MP1A	Mx	.001	3
31	MP1A	X	-2.283	39
32	MP1A	Z	3.954	39
33	MP1A	Mx	.001	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-9.357	6
2	MP4A	Z	5.403	6
3	MP4A	Mx	.009	6
4	MP4A	X	-9.357	66
5	MP4A	Z	5.403	66
6	MP4A	Mx	.009	66
7	MP4A	X	-9.357	6
8	MP4A	Z	5.403	6
9	MP4A	Mx	.000626	6
10	MP4A	X	-9.357	66
11	MP4A	Z	5.403	66
12	MP4A	Mx	.000626	66
13	MP2A	X	-2.999	24
14	MP2A	Z	1.732	24
15	MP2A	Mx	.002	24
16	MP2A	X	-2.999	48
17	MP2A	Z	1.732	48
18	MP2A	Mx	.002	48
19	M56	X	-7.273	36
20	M56	Z	4.199	36
21	M56	Mx	0	36
22	MP4A	X	-3.101	48
23	MP4A	Z	1.79	48
24	MP4A	Mx	-.002	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP5A	X	-3.299	30
26	MP5A	Z	1.905	30
27	MP5A	Mx	-.002	30
28	MP1A	X	-3.504	3
29	MP1A	Z	2.023	3
30	MP1A	Mx	.002	3
31	MP1A	X	-3.504	39
32	MP1A	Z	2.023	39
33	MP1A	Mx	.002	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-9.947	6
2	MP4A	Z	0	6
3	MP4A	Mx	.005	6
4	MP4A	X	-9.947	66
5	MP4A	Z	0	66
6	MP4A	Mx	.005	66
7	MP4A	X	-9.947	6
8	MP4A	Z	0	6
9	MP4A	Mx	.005	6
10	MP4A	X	-9.947	66
11	MP4A	Z	0	66
12	MP4A	Mx	.005	66
13	MP2A	X	-2.494	24
14	MP2A	Z	0	24
15	MP2A	Mx	.001	24
16	MP2A	X	-2.494	48
17	MP2A	Z	0	48
18	MP2A	Mx	.001	48
19	M56	X	-9.05	36
20	M56	Z	0	36
21	M56	Mx	0	36
22	MP4A	X	-3.084	48
23	MP4A	Z	0	48
24	MP4A	Mx	-.002	48
25	MP5A	X	-3.389	30
26	MP5A	Z	0	30
27	MP5A	Mx	-.002	30
28	MP1A	X	-3.786	3
29	MP1A	Z	0	3
30	MP1A	Mx	.002	3
31	MP1A	X	-3.786	39
32	MP1A	Z	0	39
33	MP1A	Mx	.002	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-9.357	6
2	MP4A	Z	-5.403	6
3	MP4A	Mx	.000626	6
4	MP4A	X	-9.357	66
5	MP4A	Z	-5.403	66
6	MP4A	Mx	.000626	66
7	MP4A	X	-9.357	6
8	MP4A	Z	-5.403	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP4A	Mx	.009	6
10	MP4A	X	-9.357	66
11	MP4A	Z	-5.403	66
12	MP4A	Mx	.009	66
13	MP2A	X	-2.999	24
14	MP2A	Z	-1.732	24
15	MP2A	Mx	.002	24
16	MP2A	X	-2.999	48
17	MP2A	Z	-1.732	48
18	MP2A	Mx	.002	48
19	M56	X	-8.967	36
20	M56	Z	-5.177	36
21	M56	Mx	0	36
22	MP4A	X	-3.101	48
23	MP4A	Z	-1.79	48
24	MP4A	Mx	-.002	48
25	MP5A	X	-3.299	30
26	MP5A	Z	-1.905	30
27	MP5A	Mx	-.002	30
28	MP1A	X	-3.504	3
29	MP1A	Z	-2.023	3
30	MP1A	Mx	.002	3
31	MP1A	X	-3.504	39
32	MP1A	Z	-2.023	39
33	MP1A	Mx	.002	39

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP4A	X	-6.261	6
2	MP4A	Z	-10.844	6
3	MP4A	Mx	-.005	6
4	MP4A	X	-6.261	66
5	MP4A	Z	-10.844	66
6	MP4A	Mx	-.005	66
7	MP4A	X	-6.261	6
8	MP4A	Z	-10.844	6
9	MP4A	Mx	.011	6
10	MP4A	X	-6.261	66
11	MP4A	Z	-10.844	66
12	MP4A	Mx	.011	66
13	MP2A	X	-2.701	24
14	MP2A	Z	-4.678	24
15	MP2A	Mx	.001	24
16	MP2A	X	-2.701	48
17	MP2A	Z	-4.678	48
18	MP2A	Mx	.001	48
19	M56	X	-5.504	36
20	M56	Z	-9.532	36
21	M56	Mx	0	36
22	MP4A	X	-2.287	48
23	MP4A	Z	-3.961	48
24	MP4A	Mx	-.001	48
25	MP5A	X	-2.325	30
26	MP5A	Z	-4.027	30
27	MP5A	Mx	-.001	30
28	MP1A	X	-2.283	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP1A	Z	-3.954	3
30	MP1A	Mx	.001	3
31	MP1A	X	-2.283	39
32	MP1A	Z	-3.954	39
33	MP1A	Mx	.001	39

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-500	%75

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-500	%26

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M5	Y	-5.986	-5.986	0	%100
2	M6	Y	-5.986	-5.986	0	%100
3	M7	Y	-5.774	-5.774	0	%100
4	M8	Y	-5.986	-5.986	0	%100
5	M9	Y	-5.986	-5.986	0	%100
6	M10	Y	-5.774	-5.774	0	%100
7	M11	Y	-5.06	-5.06	0	%100
8	M12	Y	-5.06	-5.06	0	%100
9	M13	Y	-5.06	-5.06	0	%100
10	M14	Y	-5.06	-5.06	0	%100
11	M15	Y	-5.986	-5.986	0	%100
12	M16	Y	-4.382	-4.382	0	%100
13	M17	Y	-5.986	-5.986	0	%100
14	M18	Y	-4.382	-4.382	0	%100
15	M19	Y	-5.986	-5.986	0	%100
16	M20	Y	-5.986	-5.986	0	%100
17	M21	Y	-5.986	-5.986	0	%100
18	M22	Y	-4.382	-4.382	0	%100
19	M23	Y	-4.382	-4.382	0	%100
20	M24	Y	-5.06	-5.06	0	%100
21	M25	Y	-5.986	-5.986	0	%100
22	M26	Y	-5.986	-5.986	0	%100
23	M27	Y	-4.382	-4.382	0	%100
24	M28	Y	-5.986	-5.986	0	%100
25	M29	Y	-4.382	-4.382	0	%100
26	M30	Y	-5.986	-5.986	0	%100
27	M31	Y	-5.986	-5.986	0	%100
28	M32	Y	-5.986	-5.986	0	%100
29	M33	Y	-4.382	-4.382	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
30	M34	Y	-4.382	-4.382	0	%100
31	M35	Y	-5.06	-5.06	0	%100
32	M36	Y	-5.986	-5.986	0	%100
33	MP1A	Y	-5.06	-5.06	0	%100
34	MP3A	Y	-5.06	-5.06	0	%100
35	MP5A	Y	-5.06	-5.06	0	%100
36	MP2A	Y	-5.06	-5.06	0	%100
37	MP4A	Y	-5.06	-5.06	0	%100
38	M50	Y	-5.06	-5.06	0	%100
39	M53	Y	-5.06	-5.06	0	%100
40	M56	Y	-5.06	-5.06	0	%100
41	M59	Y	-5.06	-5.06	0	%100
42	M68	Y	-2.561	-2.561	0	%100
43	M69	Y	-2.561	-2.561	0	%100
44	M70	Y	-2.561	-2.561	0	%100
45	M71	Y	-2.561	-2.561	0	%100
46	M72	Y	-5.06	-5.06	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	-.852	-.852	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.852	-.852	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-13.316	-13.316	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.852	-.852	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.852	-.852	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-13.316	-13.316	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-5.395	-5.395	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-5.395	-5.395	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-5.395	-5.395	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-5.395	-5.395	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.919	-1.919	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-6.836	-6.836	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.919	-1.919	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-6.836	-6.836	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-2.203	-2.203	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.919	-1.919	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.919	-1.919	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-7.385	-7.385	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	-7.385	-7.385	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-8.223	-8.223	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-2.203	-2.203	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.919	-1.919	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-6.836	-6.836	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-1.919	-1.919	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-6.836	-6.836	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-2.203	-2.203	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.919	-1.919	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.919	-1.919	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-7.385	-7.385	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-7.385	-7.385	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-8.223	-8.223	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-2.203	-2.203	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-11	-11	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	-11	-11	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-11	-11	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	-11	-11	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-11	-11	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-2.804	-2.804	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	-11	-11	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	-11	-11	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	-11	-11	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	-.855	-.855	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-.855	-.855	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	-.855	-.855	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	-.855	-.855	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	-8.824	-8.824	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[in,%]	End Location[in,%]
1	M5	X	.054	.054	0	%100
2	M5	Z	-.094	-.094	0	%100
3	M6	X	.806	.806	0	%100
4	M6	Z	-1.396	-1.396	0	%100
5	M7	X	4.994	4.994	0	%100
6	M7	Z	-8.649	-8.649	0	%100
7	M8	X	.054	.054	0	%100
8	M8	Z	-.094	-.094	0	%100
9	M9	X	.806	.806	0	%100
10	M9	Z	-1.396	-1.396	0	%100
11	M10	X	4.994	4.994	0	%100
12	M10	Z	-8.649	-8.649	0	%100
13	M11	X	.343	.343	0	%100
14	M11	Z	-.594	-.594	0	%100
15	M12	X	5.105	5.105	0	%100
16	M12	Z	-8.842	-8.842	0	%100
17	M13	X	.343	.343	0	%100
18	M13	Z	-.594	-.594	0	%100
19	M14	X	5.105	5.105	0	%100
20	M14	Z	-8.842	-8.842	0	%100
21	M15	X	2.457	2.457	0	%100
22	M15	Z	-4.255	-4.255	0	%100
23	M16	X	4.186	4.186	0	%100
24	M16	Z	-7.251	-7.251	0	%100
25	M17	X	2.457	2.457	0	%100
26	M17	Z	-4.255	-4.255	0	%100
27	M18	X	4.186	4.186	0	%100
28	M18	Z	-7.251	-7.251	0	%100
29	M19	X	2.563	2.563	0	%100
30	M19	Z	-4.439	-4.439	0	%100
31	M20	X	2.457	2.457	0	%100
32	M20	Z	-4.255	-4.255	0	%100
33	M21	X	2.457	2.457	0	%100
34	M21	Z	-4.255	-4.255	0	%100
35	M22	X	3.693	3.693	0	%100
36	M22	Z	-6.396	-6.396	0	%100
37	M23	X	3.693	3.693	0	%100
38	M23	Z	-6.396	-6.396	0	%100
39	M24	X	4.112	4.112	0	%100
40	M24	Z	-7.122	-7.122	0	%100
41	M25	X	2.563	2.563	0	%100
42	M25	Z	-4.439	-4.439	0	%100
43	M26	X	2.457	2.457	0	%100
44	M26	Z	-4.255	-4.255	0	%100
45	M27	X	2.666	2.666	0	%100
46	M27	Z	-4.618	-4.618	0	%100
47	M28	X	2.457	2.457	0	%100
48	M28	Z	-4.255	-4.255	0	%100
49	M29	X	2.666	2.666	0	%100
50	M29	Z	-4.618	-4.618	0	%100
51	M30	X	2.563	2.563	0	%100
52	M30	Z	-4.439	-4.439	0	%100
53	M31	X	2.457	2.457	0	%100
54	M31	Z	-4.255	-4.255	0	%100
55	M32	X	2.457	2.457	0	%100
56	M32	Z	-4.255	-4.255	0	%100
57	M33	X	3.693	3.693	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[in,%]	End Location[in,%]
58	M33	Z	-6.396	-6.396	0	%100
59	M34	X	3.693	3.693	0	%100
60	M34	Z	-6.396	-6.396	0	%100
61	M35	X	4.112	4.112	0	%100
62	M35	Z	-7.122	-7.122	0	%100
63	M36	X	2.563	2.563	0	%100
64	M36	Z	-4.439	-4.439	0	%100
65	MP1A	X	5.5	5.5	0	%100
66	MP1A	Z	-9.527	-9.527	0	%100
67	MP3A	X	5.5	5.5	0	%100
68	MP3A	Z	-9.527	-9.527	0	%100
69	MP5A	X	5.5	5.5	0	%100
70	MP5A	Z	-9.527	-9.527	0	%100
71	MP2A	X	5.5	5.5	0	%100
72	MP2A	Z	-9.527	-9.527	0	%100
73	MP4A	X	5.5	5.5	0	%100
74	MP4A	Z	-9.527	-9.527	0	%100
75	M50	X	4.127	4.127	0	%100
76	M50	Z	-7.148	-7.148	0	%100
77	M53	X	5.5	5.5	0	%100
78	M53	Z	-9.527	-9.527	0	%100
79	M56	X	5.5	5.5	0	%100
80	M56	Z	-9.527	-9.527	0	%100
81	M59	X	5.5	5.5	0	%100
82	M59	Z	-9.527	-9.527	0	%100
83	M68	X	.914	.914	0	%100
84	M68	Z	-1.582	-1.582	0	%100
85	M69	X	.914	.914	0	%100
86	M69	Z	-1.582	-1.582	0	%100
87	M70	X	.914	.914	0	%100
88	M70	Z	-1.582	-1.582	0	%100
89	M71	X	.914	.914	0	%100
90	M71	Z	-1.582	-1.582	0	%100
91	M72	X	4.412	4.412	0	%100
92	M72	Z	-7.642	-7.642	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[in,%]	End Location[in,%]
1	M5	X	.108	.108	0	%100
2	M5	Z	-.062	-.062	0	%100
3	M6	X	1.41	1.41	0	%100
4	M6	Z	-.814	-.814	0	%100
5	M7	X	2.883	2.883	0	%100
6	M7	Z	-1.665	-1.665	0	%100
7	M8	X	.108	.108	0	%100
8	M8	Z	-.062	-.062	0	%100
9	M9	X	1.41	1.41	0	%100
10	M9	Z	-.814	-.814	0	%100
11	M10	X	2.883	2.883	0	%100
12	M10	Z	-1.665	-1.665	0	%100
13	M11	X	.684	.684	0	%100
14	M11	Z	-.395	-.395	0	%100
15	M12	X	8.933	8.933	0	%100
16	M12	Z	-5.158	-5.158	0	%100
17	M13	X	.684	.684	0	%100
18	M13	Z	-.395	-.395	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[in,%]	End Location[in,%]
19	M14	X	8.933	8.933	0	%100
20	M14	Z	-5.158	-5.158	0	%100
21	M15	X	9.441	9.441	0	%100
22	M15	Z	-5.451	-5.451	0	%100
23	M16	X	7.28	7.28	0	%100
24	M16	Z	-4.203	-4.203	0	%100
25	M17	X	9.441	9.441	0	%100
26	M17	Z	-5.451	-5.451	0	%100
27	M18	X	7.28	7.28	0	%100
28	M18	Z	-4.203	-4.203	0	%100
29	M19	X	9.502	9.502	0	%100
30	M19	Z	-5.486	-5.486	0	%100
31	M20	X	9.441	9.441	0	%100
32	M20	Z	-5.451	-5.451	0	%100
33	M21	X	9.441	9.441	0	%100
34	M21	Z	-5.451	-5.451	0	%100
35	M22	X	6.396	6.396	0	%100
36	M22	Z	-3.693	-3.693	0	%100
37	M23	X	6.396	6.396	0	%100
38	M23	Z	-3.693	-3.693	0	%100
39	M24	X	7.122	7.122	0	%100
40	M24	Z	-4.112	-4.112	0	%100
41	M25	X	9.502	9.502	0	%100
42	M25	Z	-5.486	-5.486	0	%100
43	M26	X	9.441	9.441	0	%100
44	M26	Z	-5.451	-5.451	0	%100
45	M27	X	4.647	4.647	0	%100
46	M27	Z	-2.683	-2.683	0	%100
47	M28	X	9.441	9.441	0	%100
48	M28	Z	-5.451	-5.451	0	%100
49	M29	X	4.647	4.647	0	%100
50	M29	Z	-2.683	-2.683	0	%100
51	M30	X	9.502	9.502	0	%100
52	M30	Z	-5.486	-5.486	0	%100
53	M31	X	9.441	9.441	0	%100
54	M31	Z	-5.451	-5.451	0	%100
55	M32	X	9.441	9.441	0	%100
56	M32	Z	-5.451	-5.451	0	%100
57	M33	X	6.396	6.396	0	%100
58	M33	Z	-3.693	-3.693	0	%100
59	M34	X	6.396	6.396	0	%100
60	M34	Z	-3.693	-3.693	0	%100
61	M35	X	7.122	7.122	0	%100
62	M35	Z	-4.112	-4.112	0	%100
63	M36	X	9.502	9.502	0	%100
64	M36	Z	-5.486	-5.486	0	%100
65	MP1A	X	9.527	9.527	0	%100
66	MP1A	Z	-5.5	-5.5	0	%100
67	MP3A	X	9.527	9.527	0	%100
68	MP3A	Z	-5.5	-5.5	0	%100
69	MP5A	X	9.527	9.527	0	%100
70	MP5A	Z	-5.5	-5.5	0	%100
71	MP2A	X	9.527	9.527	0	%100
72	MP2A	Z	-5.5	-5.5	0	%100
73	MP4A	X	9.527	9.527	0	%100
74	MP4A	Z	-5.5	-5.5	0	%100
75	M50	X	9.441	9.441	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[in,%]	End Location[in,%]
76	M50	Z	-5.45	-5.45	0	%100
77	M53	X	9.527	9.527	0	%100
78	M53	Z	-5.5	-5.5	0	%100
79	M56	X	9.527	9.527	0	%100
80	M56	Z	-5.5	-5.5	0	%100
81	M59	X	9.527	9.527	0	%100
82	M59	Z	-5.5	-5.5	0	%100
83	M68	X	1.738	1.738	0	%100
84	M68	Z	-1.003	-1.003	0	%100
85	M69	X	1.738	1.738	0	%100
86	M69	Z	-1.003	-1.003	0	%100
87	M70	X	1.738	1.738	0	%100
88	M70	Z	-1.003	-1.003	0	%100
89	M71	X	1.738	1.738	0	%100
90	M71	Z	-1.003	-1.003	0	%100
91	M72	X	7.642	7.642	0	%100
92	M72	Z	-4.412	-4.412	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[in,%]	End Location[in,%]
1	M5	X	.885	.885	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.885	.885	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.885	.885	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.885	.885	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	5.605	5.605	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	5.605	5.605	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	5.605	5.605	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	5.605	5.605	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	13.895	13.895	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	6.903	6.903	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	13.895	13.895	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	6.903	6.903	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	13.895	13.895	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	13.895	13.895	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	13.895	13.895	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	7.385	7.385	0	%100
36	M22	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[in,%]	End Location[in,%]
37	M23	X	7.385	7.385	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	8.223	8.223	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	13.895	13.895	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	13.895	13.895	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	6.903	6.903	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	13.895	13.895	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	6.903	6.903	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	13.895	13.895	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	13.895	13.895	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	13.895	13.895	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	7.385	7.385	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	7.385	7.385	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	8.223	8.223	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	13.895	13.895	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	11	11	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	11	11	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	11	11	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	11	11	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	11	11	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	8.098	8.098	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	11	11	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	11	11	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	11	11	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	1.214	1.214	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	1.214	1.214	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	1.214	1.214	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	1.214	1.214	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	8.824	8.824	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	1.41	1.41	0	%100
2	M5	Z	.814	.814	0	%100
3	M6	X	.108	.108	0	%100
4	M6	Z	.062	.062	0	%100
5	M7	X	2.883	2.883	0	%100
6	M7	Z	1.665	1.665	0	%100
7	M8	X	1.41	1.41	0	%100
8	M8	Z	.814	.814	0	%100
9	M9	X	.108	.108	0	%100
10	M9	Z	.062	.062	0	%100
11	M10	X	2.883	2.883	0	%100
12	M10	Z	1.665	1.665	0	%100
13	M11	X	8.933	8.933	0	%100
14	M11	Z	5.158	5.158	0	%100
15	M12	X	.684	.684	0	%100
16	M12	Z	.395	.395	0	%100
17	M13	X	8.933	8.933	0	%100
18	M13	Z	5.158	5.158	0	%100
19	M14	X	.684	.684	0	%100
20	M14	Z	.395	.395	0	%100
21	M15	X	9.441	9.441	0	%100
22	M15	Z	5.451	5.451	0	%100
23	M16	X	4.647	4.647	0	%100
24	M16	Z	2.683	2.683	0	%100
25	M17	X	9.441	9.441	0	%100
26	M17	Z	5.451	5.451	0	%100
27	M18	X	4.647	4.647	0	%100
28	M18	Z	2.683	2.683	0	%100
29	M19	X	9.502	9.502	0	%100
30	M19	Z	5.486	5.486	0	%100
31	M20	X	9.441	9.441	0	%100
32	M20	Z	5.451	5.451	0	%100
33	M21	X	9.441	9.441	0	%100
34	M21	Z	5.451	5.451	0	%100
35	M22	X	6.396	6.396	0	%100
36	M22	Z	3.693	3.693	0	%100
37	M23	X	6.396	6.396	0	%100
38	M23	Z	3.693	3.693	0	%100
39	M24	X	7.122	7.122	0	%100
40	M24	Z	4.112	4.112	0	%100
41	M25	X	9.502	9.502	0	%100
42	M25	Z	5.486	5.486	0	%100
43	M26	X	9.441	9.441	0	%100
44	M26	Z	5.451	5.451	0	%100
45	M27	X	7.28	7.28	0	%100
46	M27	Z	4.203	4.203	0	%100
47	M28	X	9.441	9.441	0	%100
48	M28	Z	5.451	5.451	0	%100
49	M29	X	7.28	7.28	0	%100
50	M29	Z	4.203	4.203	0	%100
51	M30	X	9.502	9.502	0	%100
52	M30	Z	5.486	5.486	0	%100
53	M31	X	9.441	9.441	0	%100
54	M31	Z	5.451	5.451	0	%100
55	M32	X	9.441	9.441	0	%100
56	M32	Z	5.451	5.451	0	%100
57	M33	X	6.396	6.396	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[in,%]	End Location[in,%]
58	M33	Z	3.693	3.693	0	%100
59	M34	X	6.396	6.396	0	%100
60	M34	Z	3.693	3.693	0	%100
61	M35	X	7.122	7.122	0	%100
62	M35	Z	4.112	4.112	0	%100
63	M36	X	9.502	9.502	0	%100
64	M36	Z	5.486	5.486	0	%100
65	MP1A	X	9.527	9.527	0	%100
66	MP1A	Z	5.5	5.5	0	%100
67	MP3A	X	9.527	9.527	0	%100
68	MP3A	Z	5.5	5.5	0	%100
69	MP5A	X	9.527	9.527	0	%100
70	MP5A	Z	5.5	5.5	0	%100
71	MP2A	X	9.527	9.527	0	%100
72	MP2A	Z	5.5	5.5	0	%100
73	MP4A	X	9.527	9.527	0	%100
74	MP4A	Z	5.5	5.5	0	%100
75	M50	X	2.293	2.293	0	%100
76	M50	Z	1.324	1.324	0	%100
77	M53	X	9.527	9.527	0	%100
78	M53	Z	5.5	5.5	0	%100
79	M56	X	9.527	9.527	0	%100
80	M56	Z	5.5	5.5	0	%100
81	M59	X	9.527	9.527	0	%100
82	M59	Z	5.5	5.5	0	%100
83	M68	X	.21	.21	0	%100
84	M68	Z	.121	.121	0	%100
85	M69	X	.21	.21	0	%100
86	M69	Z	.121	.121	0	%100
87	M70	X	.21	.21	0	%100
88	M70	Z	.121	.121	0	%100
89	M71	X	.21	.21	0	%100
90	M71	Z	.121	.121	0	%100
91	M72	X	7.642	7.642	0	%100
92	M72	Z	4.412	4.412	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[in,%]	End Location[in,%]
1	M5	X	.806	.806	0	%100
2	M5	Z	1.396	1.396	0	%100
3	M6	X	.054	.054	0	%100
4	M6	Z	.094	.094	0	%100
5	M7	X	4.994	4.994	0	%100
6	M7	Z	8.649	8.649	0	%100
7	M8	X	.806	.806	0	%100
8	M8	Z	1.396	1.396	0	%100
9	M9	X	.054	.054	0	%100
10	M9	Z	.094	.094	0	%100
11	M10	X	4.994	4.994	0	%100
12	M10	Z	8.649	8.649	0	%100
13	M11	X	5.105	5.105	0	%100
14	M11	Z	8.842	8.842	0	%100
15	M12	X	.343	.343	0	%100
16	M12	Z	.594	.594	0	%100
17	M13	X	5.105	5.105	0	%100
18	M13	Z	8.842	8.842	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[in,%]	End Location[in,%]
19	M14	X	.343	.343	0	%100
20	M14	Z	.594	.594	0	%100
21	M15	X	2.457	2.457	0	%100
22	M15	Z	4.255	4.255	0	%100
23	M16	X	2.666	2.666	0	%100
24	M16	Z	4.618	4.618	0	%100
25	M17	X	2.457	2.457	0	%100
26	M17	Z	4.255	4.255	0	%100
27	M18	X	2.666	2.666	0	%100
28	M18	Z	4.618	4.618	0	%100
29	M19	X	2.563	2.563	0	%100
30	M19	Z	4.439	4.439	0	%100
31	M20	X	2.457	2.457	0	%100
32	M20	Z	4.255	4.255	0	%100
33	M21	X	2.457	2.457	0	%100
34	M21	Z	4.255	4.255	0	%100
35	M22	X	3.693	3.693	0	%100
36	M22	Z	6.396	6.396	0	%100
37	M23	X	3.693	3.693	0	%100
38	M23	Z	6.396	6.396	0	%100
39	M24	X	4.112	4.112	0	%100
40	M24	Z	7.122	7.122	0	%100
41	M25	X	2.563	2.563	0	%100
42	M25	Z	4.439	4.439	0	%100
43	M26	X	2.457	2.457	0	%100
44	M26	Z	4.255	4.255	0	%100
45	M27	X	4.186	4.186	0	%100
46	M27	Z	7.251	7.251	0	%100
47	M28	X	2.457	2.457	0	%100
48	M28	Z	4.255	4.255	0	%100
49	M29	X	4.186	4.186	0	%100
50	M29	Z	7.251	7.251	0	%100
51	M30	X	2.563	2.563	0	%100
52	M30	Z	4.439	4.439	0	%100
53	M31	X	2.457	2.457	0	%100
54	M31	Z	4.255	4.255	0	%100
55	M32	X	2.457	2.457	0	%100
56	M32	Z	4.255	4.255	0	%100
57	M33	X	3.693	3.693	0	%100
58	M33	Z	6.396	6.396	0	%100
59	M34	X	3.693	3.693	0	%100
60	M34	Z	6.396	6.396	0	%100
61	M35	X	4.112	4.112	0	%100
62	M35	Z	7.122	7.122	0	%100
63	M36	X	2.563	2.563	0	%100
64	M36	Z	4.439	4.439	0	%100
65	MP1A	X	5.5	5.5	0	%100
66	MP1A	Z	9.527	9.527	0	%100
67	MP3A	X	5.5	5.5	0	%100
68	MP3A	Z	9.527	9.527	0	%100
69	MP5A	X	5.5	5.5	0	%100
70	MP5A	Z	9.527	9.527	0	%100
71	MP2A	X	5.5	5.5	0	%100
72	MP2A	Z	9.527	9.527	0	%100
73	MP4A	X	5.5	5.5	0	%100
74	MP4A	Z	9.527	9.527	0	%100
75	M50	X	.000371	.000371	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[in,%]	End Location[in,%]
76	M50	Z	.000642	.000642	0	%100
77	M53	X	5.5	5.5	0	%100
78	M53	Z	9.527	9.527	0	%100
79	M56	X	5.5	5.5	0	%100
80	M56	Z	9.527	9.527	0	%100
81	M59	X	5.5	5.5	0	%100
82	M59	Z	9.527	9.527	0	%100
83	M68	X	.031	.031	0	%100
84	M68	Z	.054	.054	0	%100
85	M69	X	.031	.031	0	%100
86	M69	Z	.054	.054	0	%100
87	M70	X	.031	.031	0	%100
88	M70	Z	.054	.054	0	%100
89	M71	X	.031	.031	0	%100
90	M71	Z	.054	.054	0	%100
91	M72	X	4.412	4.412	0	%100
92	M72	Z	7.642	7.642	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	.852	.852	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.852	.852	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	13.316	13.316	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.852	.852	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.852	.852	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	13.316	13.316	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	5.395	5.395	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	5.395	5.395	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	5.395	5.395	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	5.395	5.395	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.919	1.919	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	6.836	6.836	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.919	1.919	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	6.836	6.836	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	2.203	2.203	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.919	1.919	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	1.919	1.919	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	7.385	7.385	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	7.385	7.385	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	8.223	8.223	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	2.203	2.203	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.919	1.919	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	6.836	6.836	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.919	1.919	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	6.836	6.836	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	2.203	2.203	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.919	1.919	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.919	1.919	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	7.385	7.385	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	7.385	7.385	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	8.223	8.223	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	2.203	2.203	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	11	11	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	11	11	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	11	11	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	11	11	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	11	11	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	2.804	2.804	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	11	11	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	11	11	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	11	11	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	.855	.855	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	.855	.855	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	.855	.855	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	.855	.855	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	8.824	8.824	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[in,%]	End Location[in,%]
1	M5	X	-.054	-.054	0	%100
2	M5	Z	.094	.094	0	%100
3	M6	X	-.806	-.806	0	%100
4	M6	Z	1.396	1.396	0	%100
5	M7	X	-4.994	-4.994	0	%100
6	M7	Z	8.649	8.649	0	%100
7	M8	X	-.054	-.054	0	%100
8	M8	Z	.094	.094	0	%100
9	M9	X	-.806	-.806	0	%100
10	M9	Z	1.396	1.396	0	%100
11	M10	X	-4.994	-4.994	0	%100
12	M10	Z	8.649	8.649	0	%100
13	M11	X	-.343	-.343	0	%100
14	M11	Z	.594	.594	0	%100
15	M12	X	-5.105	-5.105	0	%100
16	M12	Z	8.842	8.842	0	%100
17	M13	X	-.343	-.343	0	%100
18	M13	Z	.594	.594	0	%100
19	M14	X	-5.105	-5.105	0	%100
20	M14	Z	8.842	8.842	0	%100
21	M15	X	-2.457	-2.457	0	%100
22	M15	Z	4.255	4.255	0	%100
23	M16	X	-4.186	-4.186	0	%100
24	M16	Z	7.251	7.251	0	%100
25	M17	X	-2.457	-2.457	0	%100
26	M17	Z	4.255	4.255	0	%100
27	M18	X	-4.186	-4.186	0	%100
28	M18	Z	7.251	7.251	0	%100
29	M19	X	-2.563	-2.563	0	%100
30	M19	Z	4.439	4.439	0	%100
31	M20	X	-2.457	-2.457	0	%100
32	M20	Z	4.255	4.255	0	%100
33	M21	X	-2.457	-2.457	0	%100
34	M21	Z	4.255	4.255	0	%100
35	M22	X	-3.693	-3.693	0	%100
36	M22	Z	6.396	6.396	0	%100
37	M23	X	-3.693	-3.693	0	%100
38	M23	Z	6.396	6.396	0	%100
39	M24	X	-4.112	-4.112	0	%100
40	M24	Z	7.122	7.122	0	%100
41	M25	X	-2.563	-2.563	0	%100
42	M25	Z	4.439	4.439	0	%100
43	M26	X	-2.457	-2.457	0	%100
44	M26	Z	4.255	4.255	0	%100
45	M27	X	-2.666	-2.666	0	%100
46	M27	Z	4.618	4.618	0	%100
47	M28	X	-2.457	-2.457	0	%100
48	M28	Z	4.255	4.255	0	%100
49	M29	X	-2.666	-2.666	0	%100
50	M29	Z	4.618	4.618	0	%100
51	M30	X	-2.563	-2.563	0	%100
52	M30	Z	4.439	4.439	0	%100
53	M31	X	-2.457	-2.457	0	%100
54	M31	Z	4.255	4.255	0	%100
55	M32	X	-2.457	-2.457	0	%100
56	M32	Z	4.255	4.255	0	%100
57	M33	X	-3.693	-3.693	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[in,%]	End Location[in,%]
58	M33	Z	6.396	6.396	0	%100
59	M34	X	-3.693	-3.693	0	%100
60	M34	Z	6.396	6.396	0	%100
61	M35	X	-4.112	-4.112	0	%100
62	M35	Z	7.122	7.122	0	%100
63	M36	X	-2.563	-2.563	0	%100
64	M36	Z	4.439	4.439	0	%100
65	MP1A	X	-5.5	-5.5	0	%100
66	MP1A	Z	9.527	9.527	0	%100
67	MP3A	X	-5.5	-5.5	0	%100
68	MP3A	Z	9.527	9.527	0	%100
69	MP5A	X	-5.5	-5.5	0	%100
70	MP5A	Z	9.527	9.527	0	%100
71	MP2A	X	-5.5	-5.5	0	%100
72	MP2A	Z	9.527	9.527	0	%100
73	MP4A	X	-5.5	-5.5	0	%100
74	MP4A	Z	9.527	9.527	0	%100
75	M50	X	-4.127	-4.127	0	%100
76	M50	Z	7.148	7.148	0	%100
77	M53	X	-5.5	-5.5	0	%100
78	M53	Z	9.527	9.527	0	%100
79	M56	X	-5.5	-5.5	0	%100
80	M56	Z	9.527	9.527	0	%100
81	M59	X	-5.5	-5.5	0	%100
82	M59	Z	9.527	9.527	0	%100
83	M68	X	-.914	-.914	0	%100
84	M68	Z	1.582	1.582	0	%100
85	M69	X	-.914	-.914	0	%100
86	M69	Z	1.582	1.582	0	%100
87	M70	X	-.914	-.914	0	%100
88	M70	Z	1.582	1.582	0	%100
89	M71	X	-.914	-.914	0	%100
90	M71	Z	1.582	1.582	0	%100
91	M72	X	-4.412	-4.412	0	%100
92	M72	Z	7.642	7.642	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[in,%]	End Location[in,%]
1	M5	X	-.108	-.108	0	%100
2	M5	Z	.062	.062	0	%100
3	M6	X	-1.41	-1.41	0	%100
4	M6	Z	.814	.814	0	%100
5	M7	X	-2.883	-2.883	0	%100
6	M7	Z	1.665	1.665	0	%100
7	M8	X	-.108	-.108	0	%100
8	M8	Z	.062	.062	0	%100
9	M9	X	-1.41	-1.41	0	%100
10	M9	Z	.814	.814	0	%100
11	M10	X	-2.883	-2.883	0	%100
12	M10	Z	1.665	1.665	0	%100
13	M11	X	-.684	-.684	0	%100
14	M11	Z	.395	.395	0	%100
15	M12	X	-8.933	-8.933	0	%100
16	M12	Z	5.158	5.158	0	%100
17	M13	X	-.684	-.684	0	%100
18	M13	Z	.395	.395	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[in,%]	End Location[in,%]
19	M14	X	-8.933	-8.933	0	%100
20	M14	Z	5.158	5.158	0	%100
21	M15	X	-9.441	-9.441	0	%100
22	M15	Z	5.451	5.451	0	%100
23	M16	X	-7.28	-7.28	0	%100
24	M16	Z	4.203	4.203	0	%100
25	M17	X	-9.441	-9.441	0	%100
26	M17	Z	5.451	5.451	0	%100
27	M18	X	-7.28	-7.28	0	%100
28	M18	Z	4.203	4.203	0	%100
29	M19	X	-9.502	-9.502	0	%100
30	M19	Z	5.486	5.486	0	%100
31	M20	X	-9.441	-9.441	0	%100
32	M20	Z	5.451	5.451	0	%100
33	M21	X	-9.441	-9.441	0	%100
34	M21	Z	5.451	5.451	0	%100
35	M22	X	-6.396	-6.396	0	%100
36	M22	Z	3.693	3.693	0	%100
37	M23	X	-6.396	-6.396	0	%100
38	M23	Z	3.693	3.693	0	%100
39	M24	X	-7.122	-7.122	0	%100
40	M24	Z	4.112	4.112	0	%100
41	M25	X	-9.502	-9.502	0	%100
42	M25	Z	5.486	5.486	0	%100
43	M26	X	-9.441	-9.441	0	%100
44	M26	Z	5.451	5.451	0	%100
45	M27	X	-4.647	-4.647	0	%100
46	M27	Z	2.683	2.683	0	%100
47	M28	X	-9.441	-9.441	0	%100
48	M28	Z	5.451	5.451	0	%100
49	M29	X	-4.647	-4.647	0	%100
50	M29	Z	2.683	2.683	0	%100
51	M30	X	-9.502	-9.502	0	%100
52	M30	Z	5.486	5.486	0	%100
53	M31	X	-9.441	-9.441	0	%100
54	M31	Z	5.451	5.451	0	%100
55	M32	X	-9.441	-9.441	0	%100
56	M32	Z	5.451	5.451	0	%100
57	M33	X	-6.396	-6.396	0	%100
58	M33	Z	3.693	3.693	0	%100
59	M34	X	-6.396	-6.396	0	%100
60	M34	Z	3.693	3.693	0	%100
61	M35	X	-7.122	-7.122	0	%100
62	M35	Z	4.112	4.112	0	%100
63	M36	X	-9.502	-9.502	0	%100
64	M36	Z	5.486	5.486	0	%100
65	MP1A	X	-9.527	-9.527	0	%100
66	MP1A	Z	5.5	5.5	0	%100
67	MP3A	X	-9.527	-9.527	0	%100
68	MP3A	Z	5.5	5.5	0	%100
69	MP5A	X	-9.527	-9.527	0	%100
70	MP5A	Z	5.5	5.5	0	%100
71	MP2A	X	-9.527	-9.527	0	%100
72	MP2A	Z	5.5	5.5	0	%100
73	MP4A	X	-9.527	-9.527	0	%100
74	MP4A	Z	5.5	5.5	0	%100
75	M50	X	-9.441	-9.441	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[in,%]	End Location[in,%]
76	M50	Z	5.45	5.45	0	%100
77	M53	X	-9.527	-9.527	0	%100
78	M53	Z	5.5	5.5	0	%100
79	M56	X	-9.527	-9.527	0	%100
80	M56	Z	5.5	5.5	0	%100
81	M59	X	-9.527	-9.527	0	%100
82	M59	Z	5.5	5.5	0	%100
83	M68	X	-1.738	-1.738	0	%100
84	M68	Z	1.003	1.003	0	%100
85	M69	X	-1.738	-1.738	0	%100
86	M69	Z	1.003	1.003	0	%100
87	M70	X	-1.738	-1.738	0	%100
88	M70	Z	1.003	1.003	0	%100
89	M71	X	-1.738	-1.738	0	%100
90	M71	Z	1.003	1.003	0	%100
91	M72	X	-7.642	-7.642	0	%100
92	M72	Z	4.412	4.412	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[in,%]	End Location[in,%]
1	M5	X	-.885	-.885	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.885	-.885	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.885	-.885	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.885	-.885	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-5.605	-5.605	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-5.605	-5.605	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-5.605	-5.605	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-5.605	-5.605	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-13.895	-13.895	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-6.903	-6.903	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-13.895	-13.895	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-6.903	-6.903	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-13.895	-13.895	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-13.895	-13.895	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-13.895	-13.895	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-7.385	-7.385	0	%100
36	M22	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[in,%]	End Location[in,%]
37	M23	X	-7.385	-7.385	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-8.223	-8.223	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-13.895	-13.895	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-13.895	-13.895	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-6.903	-6.903	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-13.895	-13.895	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-6.903	-6.903	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-13.895	-13.895	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-13.895	-13.895	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-13.895	-13.895	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-7.385	-7.385	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-7.385	-7.385	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-8.223	-8.223	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-13.895	-13.895	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-11	-11	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	-11	-11	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	-11	-11	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	-11	-11	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	-11	-11	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	-8.098	-8.098	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	-11	-11	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	-11	-11	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	-11	-11	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	-1.214	-1.214	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	-1.214	-1.214	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	-1.214	-1.214	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	-1.214	-1.214	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	-8.824	-8.824	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	-1.41	-1.41	0	%100
2	M5	Z	-.814	-.814	0	%100
3	M6	X	-.108	-.108	0	%100
4	M6	Z	-.062	-.062	0	%100
5	M7	X	-2.883	-2.883	0	%100
6	M7	Z	-1.665	-1.665	0	%100
7	M8	X	-1.41	-1.41	0	%100
8	M8	Z	-.814	-.814	0	%100
9	M9	X	-.108	-.108	0	%100
10	M9	Z	-.062	-.062	0	%100
11	M10	X	-2.883	-2.883	0	%100
12	M10	Z	-1.665	-1.665	0	%100
13	M11	X	-8.933	-8.933	0	%100
14	M11	Z	-5.158	-5.158	0	%100
15	M12	X	-.684	-.684	0	%100
16	M12	Z	-.395	-.395	0	%100
17	M13	X	-8.933	-8.933	0	%100
18	M13	Z	-5.158	-5.158	0	%100
19	M14	X	-.684	-.684	0	%100
20	M14	Z	-.395	-.395	0	%100
21	M15	X	-9.441	-9.441	0	%100
22	M15	Z	-5.451	-5.451	0	%100
23	M16	X	-4.647	-4.647	0	%100
24	M16	Z	-2.683	-2.683	0	%100
25	M17	X	-9.441	-9.441	0	%100
26	M17	Z	-5.451	-5.451	0	%100
27	M18	X	-4.647	-4.647	0	%100
28	M18	Z	-2.683	-2.683	0	%100
29	M19	X	-9.502	-9.502	0	%100
30	M19	Z	-5.486	-5.486	0	%100
31	M20	X	-9.441	-9.441	0	%100
32	M20	Z	-5.451	-5.451	0	%100
33	M21	X	-9.441	-9.441	0	%100
34	M21	Z	-5.451	-5.451	0	%100
35	M22	X	-6.396	-6.396	0	%100
36	M22	Z	-3.693	-3.693	0	%100
37	M23	X	-6.396	-6.396	0	%100
38	M23	Z	-3.693	-3.693	0	%100
39	M24	X	-7.122	-7.122	0	%100
40	M24	Z	-4.112	-4.112	0	%100
41	M25	X	-9.502	-9.502	0	%100
42	M25	Z	-5.486	-5.486	0	%100
43	M26	X	-9.441	-9.441	0	%100
44	M26	Z	-5.451	-5.451	0	%100
45	M27	X	-7.28	-7.28	0	%100
46	M27	Z	-4.203	-4.203	0	%100
47	M28	X	-9.441	-9.441	0	%100
48	M28	Z	-5.451	-5.451	0	%100
49	M29	X	-7.28	-7.28	0	%100
50	M29	Z	-4.203	-4.203	0	%100
51	M30	X	-9.502	-9.502	0	%100
52	M30	Z	-5.486	-5.486	0	%100
53	M31	X	-9.441	-9.441	0	%100
54	M31	Z	-5.451	-5.451	0	%100
55	M32	X	-9.441	-9.441	0	%100
56	M32	Z	-5.451	-5.451	0	%100
57	M33	X	-6.396	-6.396	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[in,%]	End Location[in,%]
58	M33	Z	-3.693	-3.693	0	%100
59	M34	X	-6.396	-6.396	0	%100
60	M34	Z	-3.693	-3.693	0	%100
61	M35	X	-7.122	-7.122	0	%100
62	M35	Z	-4.112	-4.112	0	%100
63	M36	X	-9.502	-9.502	0	%100
64	M36	Z	-5.486	-5.486	0	%100
65	MP1A	X	-9.527	-9.527	0	%100
66	MP1A	Z	-5.5	-5.5	0	%100
67	MP3A	X	-9.527	-9.527	0	%100
68	MP3A	Z	-5.5	-5.5	0	%100
69	MP5A	X	-9.527	-9.527	0	%100
70	MP5A	Z	-5.5	-5.5	0	%100
71	MP2A	X	-9.527	-9.527	0	%100
72	MP2A	Z	-5.5	-5.5	0	%100
73	MP4A	X	-9.527	-9.527	0	%100
74	MP4A	Z	-5.5	-5.5	0	%100
75	M50	X	-2.293	-2.293	0	%100
76	M50	Z	-1.324	-1.324	0	%100
77	M53	X	-9.527	-9.527	0	%100
78	M53	Z	-5.5	-5.5	0	%100
79	M56	X	-9.527	-9.527	0	%100
80	M56	Z	-5.5	-5.5	0	%100
81	M59	X	-9.527	-9.527	0	%100
82	M59	Z	-5.5	-5.5	0	%100
83	M68	X	-.21	-.21	0	%100
84	M68	Z	-.121	-.121	0	%100
85	M69	X	-.21	-.21	0	%100
86	M69	Z	-.121	-.121	0	%100
87	M70	X	-.21	-.21	0	%100
88	M70	Z	-.121	-.121	0	%100
89	M71	X	-.21	-.21	0	%100
90	M71	Z	-.121	-.121	0	%100
91	M72	X	-7.642	-7.642	0	%100
92	M72	Z	-4.412	-4.412	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[in,%]	End Location[in,%]
1	M5	X	-.806	-.806	0	%100
2	M5	Z	-1.396	-1.396	0	%100
3	M6	X	-.054	-.054	0	%100
4	M6	Z	-.094	-.094	0	%100
5	M7	X	-4.994	-4.994	0	%100
6	M7	Z	-8.649	-8.649	0	%100
7	M8	X	-.806	-.806	0	%100
8	M8	Z	-1.396	-1.396	0	%100
9	M9	X	-.054	-.054	0	%100
10	M9	Z	-.094	-.094	0	%100
11	M10	X	-4.994	-4.994	0	%100
12	M10	Z	-8.649	-8.649	0	%100
13	M11	X	-5.105	-5.105	0	%100
14	M11	Z	-8.842	-8.842	0	%100
15	M12	X	-.343	-.343	0	%100
16	M12	Z	-.594	-.594	0	%100
17	M13	X	-5.105	-5.105	0	%100
18	M13	Z	-8.842	-8.842	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[in,%]	End Location[in,%]
19	M14	X	-.343	-.343	0	%100
20	M14	Z	-.594	-.594	0	%100
21	M15	X	-2.457	-2.457	0	%100
22	M15	Z	-4.255	-4.255	0	%100
23	M16	X	-2.666	-2.666	0	%100
24	M16	Z	-4.618	-4.618	0	%100
25	M17	X	-2.457	-2.457	0	%100
26	M17	Z	-4.255	-4.255	0	%100
27	M18	X	-2.666	-2.666	0	%100
28	M18	Z	-4.618	-4.618	0	%100
29	M19	X	-2.563	-2.563	0	%100
30	M19	Z	-4.439	-4.439	0	%100
31	M20	X	-2.457	-2.457	0	%100
32	M20	Z	-4.255	-4.255	0	%100
33	M21	X	-2.457	-2.457	0	%100
34	M21	Z	-4.255	-4.255	0	%100
35	M22	X	-3.693	-3.693	0	%100
36	M22	Z	-6.396	-6.396	0	%100
37	M23	X	-3.693	-3.693	0	%100
38	M23	Z	-6.396	-6.396	0	%100
39	M24	X	-4.112	-4.112	0	%100
40	M24	Z	-7.122	-7.122	0	%100
41	M25	X	-2.563	-2.563	0	%100
42	M25	Z	-4.439	-4.439	0	%100
43	M26	X	-2.457	-2.457	0	%100
44	M26	Z	-4.255	-4.255	0	%100
45	M27	X	-4.186	-4.186	0	%100
46	M27	Z	-7.251	-7.251	0	%100
47	M28	X	-2.457	-2.457	0	%100
48	M28	Z	-4.255	-4.255	0	%100
49	M29	X	-4.186	-4.186	0	%100
50	M29	Z	-7.251	-7.251	0	%100
51	M30	X	-2.563	-2.563	0	%100
52	M30	Z	-4.439	-4.439	0	%100
53	M31	X	-2.457	-2.457	0	%100
54	M31	Z	-4.255	-4.255	0	%100
55	M32	X	-2.457	-2.457	0	%100
56	M32	Z	-4.255	-4.255	0	%100
57	M33	X	-3.693	-3.693	0	%100
58	M33	Z	-6.396	-6.396	0	%100
59	M34	X	-3.693	-3.693	0	%100
60	M34	Z	-6.396	-6.396	0	%100
61	M35	X	-4.112	-4.112	0	%100
62	M35	Z	-7.122	-7.122	0	%100
63	M36	X	-2.563	-2.563	0	%100
64	M36	Z	-4.439	-4.439	0	%100
65	MP1A	X	-5.5	-5.5	0	%100
66	MP1A	Z	-9.527	-9.527	0	%100
67	MP3A	X	-5.5	-5.5	0	%100
68	MP3A	Z	-9.527	-9.527	0	%100
69	MP5A	X	-5.5	-5.5	0	%100
70	MP5A	Z	-9.527	-9.527	0	%100
71	MP2A	X	-5.5	-5.5	0	%100
72	MP2A	Z	-9.527	-9.527	0	%100
73	MP4A	X	-5.5	-5.5	0	%100
74	MP4A	Z	-9.527	-9.527	0	%100
75	M50	X	-.000371	-.000371	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[in,%]	End Location[in,%]
76	M50	Z	-.000642	-.000642	0	%100
77	M53	X	-5.5	-5.5	0	%100
78	M53	Z	-9.527	-9.527	0	%100
79	M56	X	-5.5	-5.5	0	%100
80	M56	Z	-9.527	-9.527	0	%100
81	M59	X	-5.5	-5.5	0	%100
82	M59	Z	-9.527	-9.527	0	%100
83	M68	X	-.031	-.031	0	%100
84	M68	Z	-.054	-.054	0	%100
85	M69	X	-.031	-.031	0	%100
86	M69	Z	-.054	-.054	0	%100
87	M70	X	-.031	-.031	0	%100
88	M70	Z	-.054	-.054	0	%100
89	M71	X	-.031	-.031	0	%100
90	M71	Z	-.054	-.054	0	%100
91	M72	X	-4.412	-4.412	0	%100
92	M72	Z	-7.642	-7.642	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	-.642	-.642	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.642	-.642	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-3.925	-3.925	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.642	-.642	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.642	-.642	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-3.925	-3.925	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.741	-1.741	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-1.741	-1.741	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-1.741	-1.741	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-1.741	-1.741	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.339	-1.339	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-2.363	-2.363	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.339	-1.339	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-2.363	-2.363	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.385	-1.385	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.339	-1.339	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.339	-1.339	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-2.578	-2.578	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	-2.578	-2.578	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-2.659	-2.659	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-1.385	-1.385	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.339	-1.339	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-2.363	-2.363	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-1.339	-1.339	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-2.363	-2.363	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-1.385	-1.385	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.339	-1.339	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.339	-1.339	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-2.578	-2.578	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-2.578	-2.578	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-2.659	-2.659	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-1.385	-1.385	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-3.549	-3.549	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	-3.549	-3.549	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-3.549	-3.549	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	-3.549	-3.549	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-3.549	-3.549	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-.908	-.908	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	-3.549	-3.549	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	-3.549	-3.549	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	-3.549	-3.549	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	-.564	-.564	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-.564	-.564	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	-.564	-.564	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	-.564	-.564	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	-2.854	-2.854	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[in,%]	End Location[in,%]
1	M5	X	.041	.041	0	%100
2	M5	Z	-.071	-.071	0	%100
3	M6	X	.608	.608	0	%100
4	M6	Z	-1.052	-1.052	0	%100
5	M7	X	1.472	1.472	0	%100
6	M7	Z	-2.55	-2.55	0	%100
7	M8	X	.041	.041	0	%100
8	M8	Z	-.071	-.071	0	%100
9	M9	X	.608	.608	0	%100
10	M9	Z	-1.052	-1.052	0	%100
11	M10	X	1.472	1.472	0	%100
12	M10	Z	-2.55	-2.55	0	%100
13	M11	X	.111	.111	0	%100
14	M11	Z	-.191	-.191	0	%100
15	M12	X	1.647	1.647	0	%100
16	M12	Z	-2.853	-2.853	0	%100
17	M13	X	.111	.111	0	%100
18	M13	Z	-.191	-.191	0	%100
19	M14	X	1.647	1.647	0	%100
20	M14	Z	-2.853	-2.853	0	%100
21	M15	X	.913	.913	0	%100
22	M15	Z	-1.581	-1.581	0	%100
23	M16	X	1.447	1.447	0	%100
24	M16	Z	-2.507	-2.507	0	%100
25	M17	X	.913	.913	0	%100
26	M17	Z	-1.581	-1.581	0	%100
27	M18	X	1.447	1.447	0	%100
28	M18	Z	-2.507	-2.507	0	%100
29	M19	X	.93	.93	0	%100
30	M19	Z	-1.611	-1.611	0	%100
31	M20	X	.913	.913	0	%100
32	M20	Z	-1.581	-1.581	0	%100
33	M21	X	.913	.913	0	%100
34	M21	Z	-1.581	-1.581	0	%100
35	M22	X	1.289	1.289	0	%100
36	M22	Z	-2.233	-2.233	0	%100
37	M23	X	1.289	1.289	0	%100
38	M23	Z	-2.233	-2.233	0	%100
39	M24	X	1.33	1.33	0	%100
40	M24	Z	-2.303	-2.303	0	%100
41	M25	X	.93	.93	0	%100
42	M25	Z	-1.611	-1.611	0	%100
43	M26	X	.913	.913	0	%100
44	M26	Z	-1.581	-1.581	0	%100
45	M27	X	.922	.922	0	%100
46	M27	Z	-1.597	-1.597	0	%100
47	M28	X	.913	.913	0	%100
48	M28	Z	-1.581	-1.581	0	%100
49	M29	X	.922	.922	0	%100
50	M29	Z	-1.597	-1.597	0	%100
51	M30	X	.93	.93	0	%100
52	M30	Z	-1.611	-1.611	0	%100
53	M31	X	.913	.913	0	%100
54	M31	Z	-1.581	-1.581	0	%100
55	M32	X	.913	.913	0	%100
56	M32	Z	-1.581	-1.581	0	%100
57	M33	X	1.289	1.289	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[in,%]	End Location[in,%]
58	M33	Z	-2.233	-2.233	0	%100
59	M34	X	1.289	1.289	0	%100
60	M34	Z	-2.233	-2.233	0	%100
61	M35	X	1.33	1.33	0	%100
62	M35	Z	-2.303	-2.303	0	%100
63	M36	X	.93	.93	0	%100
64	M36	Z	-1.611	-1.611	0	%100
65	MP1A	X	1.774	1.774	0	%100
66	MP1A	Z	-3.073	-3.073	0	%100
67	MP3A	X	1.774	1.774	0	%100
68	MP3A	Z	-3.073	-3.073	0	%100
69	MP5A	X	1.774	1.774	0	%100
70	MP5A	Z	-3.073	-3.073	0	%100
71	MP2A	X	1.774	1.774	0	%100
72	MP2A	Z	-3.073	-3.073	0	%100
73	MP4A	X	1.774	1.774	0	%100
74	MP4A	Z	-3.073	-3.073	0	%100
75	M50	X	1.336	1.336	0	%100
76	M50	Z	-2.314	-2.314	0	%100
77	M53	X	1.774	1.774	0	%100
78	M53	Z	-3.073	-3.073	0	%100
79	M56	X	1.774	1.774	0	%100
80	M56	Z	-3.073	-3.073	0	%100
81	M59	X	1.774	1.774	0	%100
82	M59	Z	-3.073	-3.073	0	%100
83	M68	X	.603	.603	0	%100
84	M68	Z	-1.044	-1.044	0	%100
85	M69	X	.603	.603	0	%100
86	M69	Z	-1.044	-1.044	0	%100
87	M70	X	.603	.603	0	%100
88	M70	Z	-1.044	-1.044	0	%100
89	M71	X	.603	.603	0	%100
90	M71	Z	-1.044	-1.044	0	%100
91	M72	X	1.427	1.427	0	%100
92	M72	Z	-2.472	-2.472	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[in,%]	End Location[in,%]
1	M5	X	.081	.081	0	%100
2	M5	Z	-.047	-.047	0	%100
3	M6	X	1.063	1.063	0	%100
4	M6	Z	-.614	-.614	0	%100
5	M7	X	.85	.85	0	%100
6	M7	Z	-.491	-.491	0	%100
7	M8	X	.081	.081	0	%100
8	M8	Z	-.047	-.047	0	%100
9	M9	X	1.063	1.063	0	%100
10	M9	Z	-.614	-.614	0	%100
11	M10	X	.85	.85	0	%100
12	M10	Z	-.491	-.491	0	%100
13	M11	X	.221	.221	0	%100
14	M11	Z	-.127	-.127	0	%100
15	M12	X	2.882	2.882	0	%100
16	M12	Z	-1.664	-1.664	0	%100
17	M13	X	.221	.221	0	%100
18	M13	Z	-.127	-.127	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[in,%]	End Location[in,%]
19	M14	X	2.882	2.882	0	%100
20	M14	Z	-1.664	-1.664	0	%100
21	M15	X	2.424	2.424	0	%100
22	M15	Z	-1.4	-1.4	0	%100
23	M16	X	2.517	2.517	0	%100
24	M16	Z	-1.453	-1.453	0	%100
25	M17	X	2.424	2.424	0	%100
26	M17	Z	-1.4	-1.4	0	%100
27	M18	X	2.517	2.517	0	%100
28	M18	Z	-1.453	-1.453	0	%100
29	M19	X	2.434	2.434	0	%100
30	M19	Z	-1.405	-1.405	0	%100
31	M20	X	2.424	2.424	0	%100
32	M20	Z	-1.4	-1.4	0	%100
33	M21	X	2.424	2.424	0	%100
34	M21	Z	-1.4	-1.4	0	%100
35	M22	X	2.233	2.233	0	%100
36	M22	Z	-1.289	-1.289	0	%100
37	M23	X	2.233	2.233	0	%100
38	M23	Z	-1.289	-1.289	0	%100
39	M24	X	2.303	2.303	0	%100
40	M24	Z	-1.33	-1.33	0	%100
41	M25	X	2.434	2.434	0	%100
42	M25	Z	-1.405	-1.405	0	%100
43	M26	X	2.424	2.424	0	%100
44	M26	Z	-1.4	-1.4	0	%100
45	M27	X	1.607	1.607	0	%100
46	M27	Z	-.928	-.928	0	%100
47	M28	X	2.424	2.424	0	%100
48	M28	Z	-1.4	-1.4	0	%100
49	M29	X	1.607	1.607	0	%100
50	M29	Z	-.928	-.928	0	%100
51	M30	X	2.434	2.434	0	%100
52	M30	Z	-1.405	-1.405	0	%100
53	M31	X	2.424	2.424	0	%100
54	M31	Z	-1.4	-1.4	0	%100
55	M32	X	2.424	2.424	0	%100
56	M32	Z	-1.4	-1.4	0	%100
57	M33	X	2.233	2.233	0	%100
58	M33	Z	-1.289	-1.289	0	%100
59	M34	X	2.233	2.233	0	%100
60	M34	Z	-1.289	-1.289	0	%100
61	M35	X	2.303	2.303	0	%100
62	M35	Z	-1.33	-1.33	0	%100
63	M36	X	2.434	2.434	0	%100
64	M36	Z	-1.405	-1.405	0	%100
65	MP1A	X	3.073	3.073	0	%100
66	MP1A	Z	-1.774	-1.774	0	%100
67	MP3A	X	3.073	3.073	0	%100
68	MP3A	Z	-1.774	-1.774	0	%100
69	MP5A	X	3.073	3.073	0	%100
70	MP5A	Z	-1.774	-1.774	0	%100
71	MP2A	X	3.073	3.073	0	%100
72	MP2A	Z	-1.774	-1.774	0	%100
73	MP4A	X	3.073	3.073	0	%100
74	MP4A	Z	-1.774	-1.774	0	%100
75	M50	X	3.057	3.057	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[in,%]	End Location[in,%]
76	M50	Z	-1.765	-1.765	0	%100
77	M53	X	3.073	3.073	0	%100
78	M53	Z	-1.774	-1.774	0	%100
79	M56	X	3.073	3.073	0	%100
80	M56	Z	-1.774	-1.774	0	%100
81	M59	X	3.073	3.073	0	%100
82	M59	Z	-1.774	-1.774	0	%100
83	M68	X	1.147	1.147	0	%100
84	M68	Z	-.662	-.662	0	%100
85	M69	X	1.147	1.147	0	%100
86	M69	Z	-.662	-.662	0	%100
87	M70	X	1.147	1.147	0	%100
88	M70	Z	-.662	-.662	0	%100
89	M71	X	1.147	1.147	0	%100
90	M71	Z	-.662	-.662	0	%100
91	M72	X	2.472	2.472	0	%100
92	M72	Z	-1.427	-1.427	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[in,%]	End Location[in,%]
1	M5	X	.667	.667	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.667	.667	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.667	.667	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.667	.667	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	1.808	1.808	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	1.808	1.808	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	1.808	1.808	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	1.808	1.808	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	3.286	3.286	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	2.386	2.386	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.286	3.286	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.386	2.386	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	3.286	3.286	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	3.286	3.286	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	3.286	3.286	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	2.578	2.578	0	%100
36	M22	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
37	M23	X	2.578	2.578	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	2.659	2.659	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	3.286	3.286	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	3.286	3.286	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	2.386	2.386	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	3.286	3.286	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	2.386	2.386	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	3.286	3.286	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	3.286	3.286	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	3.286	3.286	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	2.578	2.578	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	2.578	2.578	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	2.659	2.659	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	3.286	3.286	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	3.549	3.549	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	3.549	3.549	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	3.549	3.549	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	3.549	3.549	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	3.549	3.549	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	2.622	2.622	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	3.549	3.549	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	3.549	3.549	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	3.549	3.549	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	.801	.801	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	.801	.801	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	.801	.801	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	.801	.801	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	2.854	2.854	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	1.063	1.063	0	%100
2	M5	Z	.614	.614	0	%100
3	M6	X	.081	.081	0	%100
4	M6	Z	.047	.047	0	%100
5	M7	X	.85	.85	0	%100
6	M7	Z	.491	.491	0	%100
7	M8	X	1.063	1.063	0	%100
8	M8	Z	.614	.614	0	%100
9	M9	X	.081	.081	0	%100
10	M9	Z	.047	.047	0	%100
11	M10	X	.85	.85	0	%100
12	M10	Z	.491	.491	0	%100
13	M11	X	2.882	2.882	0	%100
14	M11	Z	1.664	1.664	0	%100
15	M12	X	.221	.221	0	%100
16	M12	Z	.127	.127	0	%100
17	M13	X	2.882	2.882	0	%100
18	M13	Z	1.664	1.664	0	%100
19	M14	X	.221	.221	0	%100
20	M14	Z	.127	.127	0	%100
21	M15	X	2.424	2.424	0	%100
22	M15	Z	1.4	1.4	0	%100
23	M16	X	1.607	1.607	0	%100
24	M16	Z	.928	.928	0	%100
25	M17	X	2.424	2.424	0	%100
26	M17	Z	1.4	1.4	0	%100
27	M18	X	1.607	1.607	0	%100
28	M18	Z	.928	.928	0	%100
29	M19	X	2.434	2.434	0	%100
30	M19	Z	1.405	1.405	0	%100
31	M20	X	2.424	2.424	0	%100
32	M20	Z	1.4	1.4	0	%100
33	M21	X	2.424	2.424	0	%100
34	M21	Z	1.4	1.4	0	%100
35	M22	X	2.233	2.233	0	%100
36	M22	Z	1.289	1.289	0	%100
37	M23	X	2.233	2.233	0	%100
38	M23	Z	1.289	1.289	0	%100
39	M24	X	2.303	2.303	0	%100
40	M24	Z	1.33	1.33	0	%100
41	M25	X	2.434	2.434	0	%100
42	M25	Z	1.405	1.405	0	%100
43	M26	X	2.424	2.424	0	%100
44	M26	Z	1.4	1.4	0	%100
45	M27	X	2.517	2.517	0	%100
46	M27	Z	1.453	1.453	0	%100
47	M28	X	2.424	2.424	0	%100
48	M28	Z	1.4	1.4	0	%100
49	M29	X	2.517	2.517	0	%100
50	M29	Z	1.453	1.453	0	%100
51	M30	X	2.434	2.434	0	%100
52	M30	Z	1.405	1.405	0	%100
53	M31	X	2.424	2.424	0	%100
54	M31	Z	1.4	1.4	0	%100
55	M32	X	2.424	2.424	0	%100
56	M32	Z	1.4	1.4	0	%100
57	M33	X	2.233	2.233	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[in,%]	End Location[in,%]
58	M33	Z	1.289	1.289	0	%100
59	M34	X	2.233	2.233	0	%100
60	M34	Z	1.289	1.289	0	%100
61	M35	X	2.303	2.303	0	%100
62	M35	Z	1.33	1.33	0	%100
63	M36	X	2.434	2.434	0	%100
64	M36	Z	1.405	1.405	0	%100
65	MP1A	X	3.073	3.073	0	%100
66	MP1A	Z	1.774	1.774	0	%100
67	MP3A	X	3.073	3.073	0	%100
68	MP3A	Z	1.774	1.774	0	%100
69	MP5A	X	3.073	3.073	0	%100
70	MP5A	Z	1.774	1.774	0	%100
71	MP2A	X	3.073	3.073	0	%100
72	MP2A	Z	1.774	1.774	0	%100
73	MP4A	X	3.073	3.073	0	%100
74	MP4A	Z	1.774	1.774	0	%100
75	M50	X	.743	.743	0	%100
76	M50	Z	.429	.429	0	%100
77	M53	X	3.073	3.073	0	%100
78	M53	Z	1.774	1.774	0	%100
79	M56	X	3.073	3.073	0	%100
80	M56	Z	1.774	1.774	0	%100
81	M59	X	3.073	3.073	0	%100
82	M59	Z	1.774	1.774	0	%100
83	M68	X	.138	.138	0	%100
84	M68	Z	.08	.08	0	%100
85	M69	X	.138	.138	0	%100
86	M69	Z	.08	.08	0	%100
87	M70	X	.138	.138	0	%100
88	M70	Z	.08	.08	0	%100
89	M71	X	.138	.138	0	%100
90	M71	Z	.08	.08	0	%100
91	M72	X	2.472	2.472	0	%100
92	M72	Z	1.427	1.427	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[in,%]	End Location[in,%]
1	M5	X	.608	.608	0	%100
2	M5	Z	1.052	1.052	0	%100
3	M6	X	.041	.041	0	%100
4	M6	Z	.071	.071	0	%100
5	M7	X	1.472	1.472	0	%100
6	M7	Z	2.55	2.55	0	%100
7	M8	X	.608	.608	0	%100
8	M8	Z	1.052	1.052	0	%100
9	M9	X	.041	.041	0	%100
10	M9	Z	.071	.071	0	%100
11	M10	X	1.472	1.472	0	%100
12	M10	Z	2.55	2.55	0	%100
13	M11	X	1.647	1.647	0	%100
14	M11	Z	2.853	2.853	0	%100
15	M12	X	.111	.111	0	%100
16	M12	Z	.191	.191	0	%100
17	M13	X	1.647	1.647	0	%100
18	M13	Z	2.853	2.853	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[in,%]	End Location[in,%]
19	M14	X	.111	.111	0	%100
20	M14	Z	.191	.191	0	%100
21	M15	X	.913	.913	0	%100
22	M15	Z	1.581	1.581	0	%100
23	M16	X	.922	.922	0	%100
24	M16	Z	1.597	1.597	0	%100
25	M17	X	.913	.913	0	%100
26	M17	Z	1.581	1.581	0	%100
27	M18	X	.922	.922	0	%100
28	M18	Z	1.597	1.597	0	%100
29	M19	X	.93	.93	0	%100
30	M19	Z	1.611	1.611	0	%100
31	M20	X	.913	.913	0	%100
32	M20	Z	1.581	1.581	0	%100
33	M21	X	.913	.913	0	%100
34	M21	Z	1.581	1.581	0	%100
35	M22	X	1.289	1.289	0	%100
36	M22	Z	2.233	2.233	0	%100
37	M23	X	1.289	1.289	0	%100
38	M23	Z	2.233	2.233	0	%100
39	M24	X	1.33	1.33	0	%100
40	M24	Z	2.303	2.303	0	%100
41	M25	X	.93	.93	0	%100
42	M25	Z	1.611	1.611	0	%100
43	M26	X	.913	.913	0	%100
44	M26	Z	1.581	1.581	0	%100
45	M27	X	1.447	1.447	0	%100
46	M27	Z	2.507	2.507	0	%100
47	M28	X	.913	.913	0	%100
48	M28	Z	1.581	1.581	0	%100
49	M29	X	1.447	1.447	0	%100
50	M29	Z	2.507	2.507	0	%100
51	M30	X	.93	.93	0	%100
52	M30	Z	1.611	1.611	0	%100
53	M31	X	.913	.913	0	%100
54	M31	Z	1.581	1.581	0	%100
55	M32	X	.913	.913	0	%100
56	M32	Z	1.581	1.581	0	%100
57	M33	X	1.289	1.289	0	%100
58	M33	Z	2.233	2.233	0	%100
59	M34	X	1.289	1.289	0	%100
60	M34	Z	2.233	2.233	0	%100
61	M35	X	1.33	1.33	0	%100
62	M35	Z	2.303	2.303	0	%100
63	M36	X	.93	.93	0	%100
64	M36	Z	1.611	1.611	0	%100
65	MP1A	X	1.774	1.774	0	%100
66	MP1A	Z	3.073	3.073	0	%100
67	MP3A	X	1.774	1.774	0	%100
68	MP3A	Z	3.073	3.073	0	%100
69	MP5A	X	1.774	1.774	0	%100
70	MP5A	Z	3.073	3.073	0	%100
71	MP2A	X	1.774	1.774	0	%100
72	MP2A	Z	3.073	3.073	0	%100
73	MP4A	X	1.774	1.774	0	%100
74	MP4A	Z	3.073	3.073	0	%100
75	M50	X	.00012	.00012	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[in,%]	End Location[in,%]
76	M50	Z	.000208	.000208	0	%100
77	M53	X	1.774	1.774	0	%100
78	M53	Z	3.073	3.073	0	%100
79	M56	X	1.774	1.774	0	%100
80	M56	Z	3.073	3.073	0	%100
81	M59	X	1.774	1.774	0	%100
82	M59	Z	3.073	3.073	0	%100
83	M68	X	.021	.021	0	%100
84	M68	Z	.036	.036	0	%100
85	M69	X	.021	.021	0	%100
86	M69	Z	.036	.036	0	%100
87	M70	X	.021	.021	0	%100
88	M70	Z	.036	.036	0	%100
89	M71	X	.021	.021	0	%100
90	M71	Z	.036	.036	0	%100
91	M72	X	1.427	1.427	0	%100
92	M72	Z	2.472	2.472	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	.642	.642	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.642	.642	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	3.925	3.925	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.642	.642	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.642	.642	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	3.925	3.925	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.741	1.741	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	1.741	1.741	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	1.741	1.741	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	1.741	1.741	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.339	1.339	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	2.363	2.363	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.339	1.339	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	2.363	2.363	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.385	1.385	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.339	1.339	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	1.339	1.339	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	2.578	2.578	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	2.578	2.578	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	2.659	2.659	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	1.385	1.385	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.339	1.339	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	2.363	2.363	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.339	1.339	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	2.363	2.363	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	1.385	1.385	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.339	1.339	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.339	1.339	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	2.578	2.578	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	2.578	2.578	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	2.659	2.659	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	1.385	1.385	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	3.549	3.549	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	3.549	3.549	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	3.549	3.549	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	3.549	3.549	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	3.549	3.549	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	.908	.908	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	3.549	3.549	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	3.549	3.549	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	3.549	3.549	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	.564	.564	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	.564	.564	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	.564	.564	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	.564	.564	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	2.854	2.854	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[in,%]	End Location[in,%]
1	M5	X	-.041	-.041	0	%100
2	M5	Z	.071	.071	0	%100
3	M6	X	-.608	-.608	0	%100
4	M6	Z	1.052	1.052	0	%100
5	M7	X	-1.472	-1.472	0	%100
6	M7	Z	2.55	2.55	0	%100
7	M8	X	-.041	-.041	0	%100
8	M8	Z	.071	.071	0	%100
9	M9	X	-.608	-.608	0	%100
10	M9	Z	1.052	1.052	0	%100
11	M10	X	-1.472	-1.472	0	%100
12	M10	Z	2.55	2.55	0	%100
13	M11	X	-.111	-.111	0	%100
14	M11	Z	.191	.191	0	%100
15	M12	X	-1.647	-1.647	0	%100
16	M12	Z	2.853	2.853	0	%100
17	M13	X	-.111	-.111	0	%100
18	M13	Z	.191	.191	0	%100
19	M14	X	-1.647	-1.647	0	%100
20	M14	Z	2.853	2.853	0	%100
21	M15	X	-.913	-.913	0	%100
22	M15	Z	1.581	1.581	0	%100
23	M16	X	-1.447	-1.447	0	%100
24	M16	Z	2.507	2.507	0	%100
25	M17	X	-.913	-.913	0	%100
26	M17	Z	1.581	1.581	0	%100
27	M18	X	-1.447	-1.447	0	%100
28	M18	Z	2.507	2.507	0	%100
29	M19	X	-.93	-.93	0	%100
30	M19	Z	1.611	1.611	0	%100
31	M20	X	-.913	-.913	0	%100
32	M20	Z	1.581	1.581	0	%100
33	M21	X	-.913	-.913	0	%100
34	M21	Z	1.581	1.581	0	%100
35	M22	X	-1.289	-1.289	0	%100
36	M22	Z	2.233	2.233	0	%100
37	M23	X	-1.289	-1.289	0	%100
38	M23	Z	2.233	2.233	0	%100
39	M24	X	-1.33	-1.33	0	%100
40	M24	Z	2.303	2.303	0	%100
41	M25	X	-.93	-.93	0	%100
42	M25	Z	1.611	1.611	0	%100
43	M26	X	-.913	-.913	0	%100
44	M26	Z	1.581	1.581	0	%100
45	M27	X	-.922	-.922	0	%100
46	M27	Z	1.597	1.597	0	%100
47	M28	X	-.913	-.913	0	%100
48	M28	Z	1.581	1.581	0	%100
49	M29	X	-.922	-.922	0	%100
50	M29	Z	1.597	1.597	0	%100
51	M30	X	-.93	-.93	0	%100
52	M30	Z	1.611	1.611	0	%100
53	M31	X	-.913	-.913	0	%100
54	M31	Z	1.581	1.581	0	%100
55	M32	X	-.913	-.913	0	%100
56	M32	Z	1.581	1.581	0	%100
57	M33	X	-1.289	-1.289	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[in,%]	End Location[in,%]
58	M33	Z	2.233	2.233	0	%100
59	M34	X	-1.289	-1.289	0	%100
60	M34	Z	2.233	2.233	0	%100
61	M35	X	-1.33	-1.33	0	%100
62	M35	Z	2.303	2.303	0	%100
63	M36	X	-.93	-.93	0	%100
64	M36	Z	1.611	1.611	0	%100
65	MP1A	X	-1.774	-1.774	0	%100
66	MP1A	Z	3.073	3.073	0	%100
67	MP3A	X	-1.774	-1.774	0	%100
68	MP3A	Z	3.073	3.073	0	%100
69	MP5A	X	-1.774	-1.774	0	%100
70	MP5A	Z	3.073	3.073	0	%100
71	MP2A	X	-1.774	-1.774	0	%100
72	MP2A	Z	3.073	3.073	0	%100
73	MP4A	X	-1.774	-1.774	0	%100
74	MP4A	Z	3.073	3.073	0	%100
75	M50	X	-1.336	-1.336	0	%100
76	M50	Z	2.314	2.314	0	%100
77	M53	X	-1.774	-1.774	0	%100
78	M53	Z	3.073	3.073	0	%100
79	M56	X	-1.774	-1.774	0	%100
80	M56	Z	3.073	3.073	0	%100
81	M59	X	-1.774	-1.774	0	%100
82	M59	Z	3.073	3.073	0	%100
83	M68	X	-.603	-.603	0	%100
84	M68	Z	1.044	1.044	0	%100
85	M69	X	-.603	-.603	0	%100
86	M69	Z	1.044	1.044	0	%100
87	M70	X	-.603	-.603	0	%100
88	M70	Z	1.044	1.044	0	%100
89	M71	X	-.603	-.603	0	%100
90	M71	Z	1.044	1.044	0	%100
91	M72	X	-1.427	-1.427	0	%100
92	M72	Z	2.472	2.472	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[in,%]	End Location[in,%]
1	M5	X	-.081	-.081	0	%100
2	M5	Z	.047	.047	0	%100
3	M6	X	-1.063	-1.063	0	%100
4	M6	Z	.614	.614	0	%100
5	M7	X	-.85	-.85	0	%100
6	M7	Z	.491	.491	0	%100
7	M8	X	-.081	-.081	0	%100
8	M8	Z	.047	.047	0	%100
9	M9	X	-1.063	-1.063	0	%100
10	M9	Z	.614	.614	0	%100
11	M10	X	-.85	-.85	0	%100
12	M10	Z	.491	.491	0	%100
13	M11	X	-.221	-.221	0	%100
14	M11	Z	.127	.127	0	%100
15	M12	X	-2.882	-2.882	0	%100
16	M12	Z	1.664	1.664	0	%100
17	M13	X	-.221	-.221	0	%100
18	M13	Z	.127	.127	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[in,%]	End Location[in,%]
19	M14	X	-2.882	-2.882	0	%100
20	M14	Z	1.664	1.664	0	%100
21	M15	X	-2.424	-2.424	0	%100
22	M15	Z	1.4	1.4	0	%100
23	M16	X	-2.517	-2.517	0	%100
24	M16	Z	1.453	1.453	0	%100
25	M17	X	-2.424	-2.424	0	%100
26	M17	Z	1.4	1.4	0	%100
27	M18	X	-2.517	-2.517	0	%100
28	M18	Z	1.453	1.453	0	%100
29	M19	X	-2.434	-2.434	0	%100
30	M19	Z	1.405	1.405	0	%100
31	M20	X	-2.424	-2.424	0	%100
32	M20	Z	1.4	1.4	0	%100
33	M21	X	-2.424	-2.424	0	%100
34	M21	Z	1.4	1.4	0	%100
35	M22	X	-2.233	-2.233	0	%100
36	M22	Z	1.289	1.289	0	%100
37	M23	X	-2.233	-2.233	0	%100
38	M23	Z	1.289	1.289	0	%100
39	M24	X	-2.303	-2.303	0	%100
40	M24	Z	1.33	1.33	0	%100
41	M25	X	-2.434	-2.434	0	%100
42	M25	Z	1.405	1.405	0	%100
43	M26	X	-2.424	-2.424	0	%100
44	M26	Z	1.4	1.4	0	%100
45	M27	X	-1.607	-1.607	0	%100
46	M27	Z	.928	.928	0	%100
47	M28	X	-2.424	-2.424	0	%100
48	M28	Z	1.4	1.4	0	%100
49	M29	X	-1.607	-1.607	0	%100
50	M29	Z	.928	.928	0	%100
51	M30	X	-2.434	-2.434	0	%100
52	M30	Z	1.405	1.405	0	%100
53	M31	X	-2.424	-2.424	0	%100
54	M31	Z	1.4	1.4	0	%100
55	M32	X	-2.424	-2.424	0	%100
56	M32	Z	1.4	1.4	0	%100
57	M33	X	-2.233	-2.233	0	%100
58	M33	Z	1.289	1.289	0	%100
59	M34	X	-2.233	-2.233	0	%100
60	M34	Z	1.289	1.289	0	%100
61	M35	X	-2.303	-2.303	0	%100
62	M35	Z	1.33	1.33	0	%100
63	M36	X	-2.434	-2.434	0	%100
64	M36	Z	1.405	1.405	0	%100
65	MP1A	X	-3.073	-3.073	0	%100
66	MP1A	Z	1.774	1.774	0	%100
67	MP3A	X	-3.073	-3.073	0	%100
68	MP3A	Z	1.774	1.774	0	%100
69	MP5A	X	-3.073	-3.073	0	%100
70	MP5A	Z	1.774	1.774	0	%100
71	MP2A	X	-3.073	-3.073	0	%100
72	MP2A	Z	1.774	1.774	0	%100
73	MP4A	X	-3.073	-3.073	0	%100
74	MP4A	Z	1.774	1.774	0	%100
75	M50	X	-3.057	-3.057	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[in,%]	End Location[in,%]
76	M50	Z	1.765	1.765	0	%100
77	M53	X	-3.073	-3.073	0	%100
78	M53	Z	1.774	1.774	0	%100
79	M56	X	-3.073	-3.073	0	%100
80	M56	Z	1.774	1.774	0	%100
81	M59	X	-3.073	-3.073	0	%100
82	M59	Z	1.774	1.774	0	%100
83	M68	X	-1.147	-1.147	0	%100
84	M68	Z	.662	.662	0	%100
85	M69	X	-1.147	-1.147	0	%100
86	M69	Z	.662	.662	0	%100
87	M70	X	-1.147	-1.147	0	%100
88	M70	Z	.662	.662	0	%100
89	M71	X	-1.147	-1.147	0	%100
90	M71	Z	.662	.662	0	%100
91	M72	X	-2.472	-2.472	0	%100
92	M72	Z	1.427	1.427	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[in,%]	End Location[in,%]
1	M5	X	-.667	-.667	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.667	-.667	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.667	-.667	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.667	-.667	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-1.808	-1.808	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-1.808	-1.808	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-1.808	-1.808	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-1.808	-1.808	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-3.286	-3.286	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-2.386	-2.386	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.286	-3.286	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.386	-2.386	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-3.286	-3.286	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-3.286	-3.286	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-3.286	-3.286	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-2.578	-2.578	0	%100
36	M22	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[in,%]	End Location[in,%]
37	M23	X	-2.578	-2.578	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-2.659	-2.659	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-3.286	-3.286	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-3.286	-3.286	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-2.386	-2.386	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-3.286	-3.286	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-2.386	-2.386	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-3.286	-3.286	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-3.286	-3.286	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-3.286	-3.286	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-2.578	-2.578	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-2.578	-2.578	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-2.659	-2.659	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-3.286	-3.286	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-3.549	-3.549	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	-3.549	-3.549	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	-3.549	-3.549	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	-3.549	-3.549	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	-3.549	-3.549	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	-2.622	-2.622	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	-3.549	-3.549	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	-3.549	-3.549	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	-3.549	-3.549	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	-.801	-.801	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	-.801	-.801	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	-.801	-.801	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	-.801	-.801	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	-2.854	-2.854	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	-1.063	-1.063	0	%100
2	M5	Z	-.614	-.614	0	%100
3	M6	X	-.081	-.081	0	%100
4	M6	Z	-.047	-.047	0	%100
5	M7	X	-.85	-.85	0	%100
6	M7	Z	-.491	-.491	0	%100
7	M8	X	-1.063	-1.063	0	%100
8	M8	Z	-.614	-.614	0	%100
9	M9	X	-.081	-.081	0	%100
10	M9	Z	-.047	-.047	0	%100
11	M10	X	-.85	-.85	0	%100
12	M10	Z	-.491	-.491	0	%100
13	M11	X	-2.882	-2.882	0	%100
14	M11	Z	-1.664	-1.664	0	%100
15	M12	X	-.221	-.221	0	%100
16	M12	Z	-.127	-.127	0	%100
17	M13	X	-2.882	-2.882	0	%100
18	M13	Z	-1.664	-1.664	0	%100
19	M14	X	-.221	-.221	0	%100
20	M14	Z	-.127	-.127	0	%100
21	M15	X	-2.424	-2.424	0	%100
22	M15	Z	-1.4	-1.4	0	%100
23	M16	X	-1.607	-1.607	0	%100
24	M16	Z	-.928	-.928	0	%100
25	M17	X	-2.424	-2.424	0	%100
26	M17	Z	-1.4	-1.4	0	%100
27	M18	X	-1.607	-1.607	0	%100
28	M18	Z	-.928	-.928	0	%100
29	M19	X	-2.434	-2.434	0	%100
30	M19	Z	-1.405	-1.405	0	%100
31	M20	X	-2.424	-2.424	0	%100
32	M20	Z	-1.4	-1.4	0	%100
33	M21	X	-2.424	-2.424	0	%100
34	M21	Z	-1.4	-1.4	0	%100
35	M22	X	-2.233	-2.233	0	%100
36	M22	Z	-1.289	-1.289	0	%100
37	M23	X	-2.233	-2.233	0	%100
38	M23	Z	-1.289	-1.289	0	%100
39	M24	X	-2.303	-2.303	0	%100
40	M24	Z	-1.33	-1.33	0	%100
41	M25	X	-2.434	-2.434	0	%100
42	M25	Z	-1.405	-1.405	0	%100
43	M26	X	-2.424	-2.424	0	%100
44	M26	Z	-1.4	-1.4	0	%100
45	M27	X	-2.517	-2.517	0	%100
46	M27	Z	-1.453	-1.453	0	%100
47	M28	X	-2.424	-2.424	0	%100
48	M28	Z	-1.4	-1.4	0	%100
49	M29	X	-2.517	-2.517	0	%100
50	M29	Z	-1.453	-1.453	0	%100
51	M30	X	-2.434	-2.434	0	%100
52	M30	Z	-1.405	-1.405	0	%100
53	M31	X	-2.424	-2.424	0	%100
54	M31	Z	-1.4	-1.4	0	%100
55	M32	X	-2.424	-2.424	0	%100
56	M32	Z	-1.4	-1.4	0	%100
57	M33	X	-2.233	-2.233	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[in,%]	End Location[in,%]
58	M33	Z	-1.289	-1.289	0	%100
59	M34	X	-2.233	-2.233	0	%100
60	M34	Z	-1.289	-1.289	0	%100
61	M35	X	-2.303	-2.303	0	%100
62	M35	Z	-1.33	-1.33	0	%100
63	M36	X	-2.434	-2.434	0	%100
64	M36	Z	-1.405	-1.405	0	%100
65	MP1A	X	-3.073	-3.073	0	%100
66	MP1A	Z	-1.774	-1.774	0	%100
67	MP3A	X	-3.073	-3.073	0	%100
68	MP3A	Z	-1.774	-1.774	0	%100
69	MP5A	X	-3.073	-3.073	0	%100
70	MP5A	Z	-1.774	-1.774	0	%100
71	MP2A	X	-3.073	-3.073	0	%100
72	MP2A	Z	-1.774	-1.774	0	%100
73	MP4A	X	-3.073	-3.073	0	%100
74	MP4A	Z	-1.774	-1.774	0	%100
75	M50	X	-.743	-.743	0	%100
76	M50	Z	-.429	-.429	0	%100
77	M53	X	-3.073	-3.073	0	%100
78	M53	Z	-1.774	-1.774	0	%100
79	M56	X	-3.073	-3.073	0	%100
80	M56	Z	-1.774	-1.774	0	%100
81	M59	X	-3.073	-3.073	0	%100
82	M59	Z	-1.774	-1.774	0	%100
83	M68	X	-.138	-.138	0	%100
84	M68	Z	-.08	-.08	0	%100
85	M69	X	-.138	-.138	0	%100
86	M69	Z	-.08	-.08	0	%100
87	M70	X	-.138	-.138	0	%100
88	M70	Z	-.08	-.08	0	%100
89	M71	X	-.138	-.138	0	%100
90	M71	Z	-.08	-.08	0	%100
91	M72	X	-2.472	-2.472	0	%100
92	M72	Z	-1.427	-1.427	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[in,%]	End Location[in,%]
1	M5	X	-.608	-.608	0	%100
2	M5	Z	-1.052	-1.052	0	%100
3	M6	X	-.041	-.041	0	%100
4	M6	Z	-.071	-.071	0	%100
5	M7	X	-1.472	-1.472	0	%100
6	M7	Z	-2.55	-2.55	0	%100
7	M8	X	-.608	-.608	0	%100
8	M8	Z	-1.052	-1.052	0	%100
9	M9	X	-.041	-.041	0	%100
10	M9	Z	-.071	-.071	0	%100
11	M10	X	-1.472	-1.472	0	%100
12	M10	Z	-2.55	-2.55	0	%100
13	M11	X	-1.647	-1.647	0	%100
14	M11	Z	-2.853	-2.853	0	%100
15	M12	X	-.111	-.111	0	%100
16	M12	Z	-.191	-.191	0	%100
17	M13	X	-1.647	-1.647	0	%100
18	M13	Z	-2.853	-2.853	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[in,%]	End Location[in,%]
19	M14	X	-.111	-.111	0	%100
20	M14	Z	-.191	-.191	0	%100
21	M15	X	-.913	-.913	0	%100
22	M15	Z	-1.581	-1.581	0	%100
23	M16	X	-.922	-.922	0	%100
24	M16	Z	-1.597	-1.597	0	%100
25	M17	X	-.913	-.913	0	%100
26	M17	Z	-1.581	-1.581	0	%100
27	M18	X	-.922	-.922	0	%100
28	M18	Z	-1.597	-1.597	0	%100
29	M19	X	-.93	-.93	0	%100
30	M19	Z	-1.611	-1.611	0	%100
31	M20	X	-.913	-.913	0	%100
32	M20	Z	-1.581	-1.581	0	%100
33	M21	X	-.913	-.913	0	%100
34	M21	Z	-1.581	-1.581	0	%100
35	M22	X	-1.289	-1.289	0	%100
36	M22	Z	-2.233	-2.233	0	%100
37	M23	X	-1.289	-1.289	0	%100
38	M23	Z	-2.233	-2.233	0	%100
39	M24	X	-1.33	-1.33	0	%100
40	M24	Z	-2.303	-2.303	0	%100
41	M25	X	-.93	-.93	0	%100
42	M25	Z	-1.611	-1.611	0	%100
43	M26	X	-.913	-.913	0	%100
44	M26	Z	-1.581	-1.581	0	%100
45	M27	X	-1.447	-1.447	0	%100
46	M27	Z	-2.507	-2.507	0	%100
47	M28	X	-.913	-.913	0	%100
48	M28	Z	-1.581	-1.581	0	%100
49	M29	X	-1.447	-1.447	0	%100
50	M29	Z	-2.507	-2.507	0	%100
51	M30	X	-.93	-.93	0	%100
52	M30	Z	-1.611	-1.611	0	%100
53	M31	X	-.913	-.913	0	%100
54	M31	Z	-1.581	-1.581	0	%100
55	M32	X	-.913	-.913	0	%100
56	M32	Z	-1.581	-1.581	0	%100
57	M33	X	-1.289	-1.289	0	%100
58	M33	Z	-2.233	-2.233	0	%100
59	M34	X	-1.289	-1.289	0	%100
60	M34	Z	-2.233	-2.233	0	%100
61	M35	X	-1.33	-1.33	0	%100
62	M35	Z	-2.303	-2.303	0	%100
63	M36	X	-.93	-.93	0	%100
64	M36	Z	-1.611	-1.611	0	%100
65	MP1A	X	-1.774	-1.774	0	%100
66	MP1A	Z	-3.073	-3.073	0	%100
67	MP3A	X	-1.774	-1.774	0	%100
68	MP3A	Z	-3.073	-3.073	0	%100
69	MP5A	X	-1.774	-1.774	0	%100
70	MP5A	Z	-3.073	-3.073	0	%100
71	MP2A	X	-1.774	-1.774	0	%100
72	MP2A	Z	-3.073	-3.073	0	%100
73	MP4A	X	-1.774	-1.774	0	%100
74	MP4A	Z	-3.073	-3.073	0	%100
75	M50	X	-.00012	-.00012	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[in,%]	End Location[in,%]
76	M50	Z	-.000208	-.000208	0	%100
77	M53	X	-1.774	-1.774	0	%100
78	M53	Z	-3.073	-3.073	0	%100
79	M56	X	-1.774	-1.774	0	%100
80	M56	Z	-3.073	-3.073	0	%100
81	M59	X	-1.774	-1.774	0	%100
82	M59	Z	-3.073	-3.073	0	%100
83	M68	X	-.021	-.021	0	%100
84	M68	Z	-.036	-.036	0	%100
85	M69	X	-.021	-.021	0	%100
86	M69	Z	-.036	-.036	0	%100
87	M70	X	-.021	-.021	0	%100
88	M70	Z	-.036	-.036	0	%100
89	M71	X	-.021	-.021	0	%100
90	M71	Z	-.036	-.036	0	%100
91	M72	X	-1.427	-1.427	0	%100
92	M72	Z	-2.472	-2.472	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	-.05	-.05	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.05	-.05	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.779	-.779	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.05	-.05	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.05	-.05	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-.779	-.779	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.316	-.316	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.316	-.316	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.316	-.316	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-.316	-.316	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-.112	-.112	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.4	-.4	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.112	-.112	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.4	-.4	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.129	-.129	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-.112	-.112	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.112	-.112	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-.432	-.432	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	-.432	-.432	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-.481	-.481	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.129	-.129	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-.112	-.112	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-.4	-.4	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-.112	-.112	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-.4	-.4	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-.129	-.129	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-.112	-.112	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-.112	-.112	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-.432	-.432	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-.432	-.432	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-.481	-.481	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-.129	-.129	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-.644	-.644	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	-.644	-.644	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-.644	-.644	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	-.644	-.644	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-.644	-.644	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-.164	-.164	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	-.644	-.644	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	-.644	-.644	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	-.644	-.644	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	-.05	-.05	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-.05	-.05	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	-.05	-.05	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	-.05	-.05	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	-.516	-.516	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[in,%]	End Location[in,%]
1	M5	X	.003	.003	0	%100
2	M5	Z	-.005	-.005	0	%100
3	M6	X	.047	.047	0	%100
4	M6	Z	-.082	-.082	0	%100
5	M7	X	.292	.292	0	%100
6	M7	Z	-.506	-.506	0	%100
7	M8	X	.003	.003	0	%100
8	M8	Z	-.005	-.005	0	%100
9	M9	X	.047	.047	0	%100
10	M9	Z	-.082	-.082	0	%100
11	M10	X	.292	.292	0	%100
12	M10	Z	-.506	-.506	0	%100
13	M11	X	.02	.02	0	%100
14	M11	Z	-.035	-.035	0	%100
15	M12	X	.299	.299	0	%100
16	M12	Z	-.518	-.518	0	%100
17	M13	X	.02	.02	0	%100
18	M13	Z	-.035	-.035	0	%100
19	M14	X	.299	.299	0	%100
20	M14	Z	-.518	-.518	0	%100
21	M15	X	.144	.144	0	%100
22	M15	Z	-.249	-.249	0	%100
23	M16	X	.245	.245	0	%100
24	M16	Z	-.424	-.424	0	%100
25	M17	X	.144	.144	0	%100
26	M17	Z	-.249	-.249	0	%100
27	M18	X	.245	.245	0	%100
28	M18	Z	-.424	-.424	0	%100
29	M19	X	.15	.15	0	%100
30	M19	Z	-.26	-.26	0	%100
31	M20	X	.144	.144	0	%100
32	M20	Z	-.249	-.249	0	%100
33	M21	X	.144	.144	0	%100
34	M21	Z	-.249	-.249	0	%100
35	M22	X	.216	.216	0	%100
36	M22	Z	-.374	-.374	0	%100
37	M23	X	.216	.216	0	%100
38	M23	Z	-.374	-.374	0	%100
39	M24	X	.241	.241	0	%100
40	M24	Z	-.417	-.417	0	%100
41	M25	X	.15	.15	0	%100
42	M25	Z	-.26	-.26	0	%100
43	M26	X	.144	.144	0	%100
44	M26	Z	-.249	-.249	0	%100
45	M27	X	.156	.156	0	%100
46	M27	Z	-.27	-.27	0	%100
47	M28	X	.144	.144	0	%100
48	M28	Z	-.249	-.249	0	%100
49	M29	X	.156	.156	0	%100
50	M29	Z	-.27	-.27	0	%100
51	M30	X	.15	.15	0	%100
52	M30	Z	-.26	-.26	0	%100
53	M31	X	.144	.144	0	%100
54	M31	Z	-.249	-.249	0	%100
55	M32	X	.144	.144	0	%100
56	M32	Z	-.249	-.249	0	%100
57	M33	X	.216	.216	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[in,%]	End Location[in,%]
58	M33	Z	-.374	-.374	0	%100
59	M34	X	.216	.216	0	%100
60	M34	Z	-.374	-.374	0	%100
61	M35	X	.241	.241	0	%100
62	M35	Z	-.417	-.417	0	%100
63	M36	X	.15	.15	0	%100
64	M36	Z	-.26	-.26	0	%100
65	MP1A	X	.322	.322	0	%100
66	MP1A	Z	-.558	-.558	0	%100
67	MP3A	X	.322	.322	0	%100
68	MP3A	Z	-.558	-.558	0	%100
69	MP5A	X	.322	.322	0	%100
70	MP5A	Z	-.558	-.558	0	%100
71	MP2A	X	.322	.322	0	%100
72	MP2A	Z	-.558	-.558	0	%100
73	MP4A	X	.322	.322	0	%100
74	MP4A	Z	-.558	-.558	0	%100
75	M50	X	.242	.242	0	%100
76	M50	Z	-.418	-.418	0	%100
77	M53	X	.322	.322	0	%100
78	M53	Z	-.558	-.558	0	%100
79	M56	X	.322	.322	0	%100
80	M56	Z	-.558	-.558	0	%100
81	M59	X	.322	.322	0	%100
82	M59	Z	-.558	-.558	0	%100
83	M68	X	.053	.053	0	%100
84	M68	Z	-.093	-.093	0	%100
85	M69	X	.053	.053	0	%100
86	M69	Z	-.093	-.093	0	%100
87	M70	X	.053	.053	0	%100
88	M70	Z	-.093	-.093	0	%100
89	M71	X	.053	.053	0	%100
90	M71	Z	-.093	-.093	0	%100
91	M72	X	.258	.258	0	%100
92	M72	Z	-.447	-.447	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[in,%]	End Location[in,%]
1	M5	X	.006	.006	0	%100
2	M5	Z	-.004	-.004	0	%100
3	M6	X	.083	.083	0	%100
4	M6	Z	-.048	-.048	0	%100
5	M7	X	.169	.169	0	%100
6	M7	Z	-.097	-.097	0	%100
7	M8	X	.006	.006	0	%100
8	M8	Z	-.004	-.004	0	%100
9	M9	X	.083	.083	0	%100
10	M9	Z	-.048	-.048	0	%100
11	M10	X	.169	.169	0	%100
12	M10	Z	-.097	-.097	0	%100
13	M11	X	.04	.04	0	%100
14	M11	Z	-.023	-.023	0	%100
15	M12	X	.523	.523	0	%100
16	M12	Z	-.302	-.302	0	%100
17	M13	X	.04	.04	0	%100
18	M13	Z	-.023	-.023	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[in,%]	End Location[in,%]
19	M14	X	.523	.523	0	%100
20	M14	Z	-.302	-.302	0	%100
21	M15	X	.553	.553	0	%100
22	M15	Z	-.319	-.319	0	%100
23	M16	X	.426	.426	0	%100
24	M16	Z	-.246	-.246	0	%100
25	M17	X	.553	.553	0	%100
26	M17	Z	-.319	-.319	0	%100
27	M18	X	.426	.426	0	%100
28	M18	Z	-.246	-.246	0	%100
29	M19	X	.556	.556	0	%100
30	M19	Z	-.321	-.321	0	%100
31	M20	X	.553	.553	0	%100
32	M20	Z	-.319	-.319	0	%100
33	M21	X	.553	.553	0	%100
34	M21	Z	-.319	-.319	0	%100
35	M22	X	.374	.374	0	%100
36	M22	Z	-.216	-.216	0	%100
37	M23	X	.374	.374	0	%100
38	M23	Z	-.216	-.216	0	%100
39	M24	X	.417	.417	0	%100
40	M24	Z	-.241	-.241	0	%100
41	M25	X	.556	.556	0	%100
42	M25	Z	-.321	-.321	0	%100
43	M26	X	.553	.553	0	%100
44	M26	Z	-.319	-.319	0	%100
45	M27	X	.272	.272	0	%100
46	M27	Z	-.157	-.157	0	%100
47	M28	X	.553	.553	0	%100
48	M28	Z	-.319	-.319	0	%100
49	M29	X	.272	.272	0	%100
50	M29	Z	-.157	-.157	0	%100
51	M30	X	.556	.556	0	%100
52	M30	Z	-.321	-.321	0	%100
53	M31	X	.553	.553	0	%100
54	M31	Z	-.319	-.319	0	%100
55	M32	X	.553	.553	0	%100
56	M32	Z	-.319	-.319	0	%100
57	M33	X	.374	.374	0	%100
58	M33	Z	-.216	-.216	0	%100
59	M34	X	.374	.374	0	%100
60	M34	Z	-.216	-.216	0	%100
61	M35	X	.417	.417	0	%100
62	M35	Z	-.241	-.241	0	%100
63	M36	X	.556	.556	0	%100
64	M36	Z	-.321	-.321	0	%100
65	MP1A	X	.558	.558	0	%100
66	MP1A	Z	-.322	-.322	0	%100
67	MP3A	X	.558	.558	0	%100
68	MP3A	Z	-.322	-.322	0	%100
69	MP5A	X	.558	.558	0	%100
70	MP5A	Z	-.322	-.322	0	%100
71	MP2A	X	.558	.558	0	%100
72	MP2A	Z	-.322	-.322	0	%100
73	MP4A	X	.558	.558	0	%100
74	MP4A	Z	-.322	-.322	0	%100
75	M50	X	.553	.553	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[in,%]	End Location[in,%]
76	M50	Z	-.319	-.319	0	%100
77	M53	X	.558	.558	0	%100
78	M53	Z	-.322	-.322	0	%100
79	M56	X	.558	.558	0	%100
80	M56	Z	-.322	-.322	0	%100
81	M59	X	.558	.558	0	%100
82	M59	Z	-.322	-.322	0	%100
83	M68	X	.102	.102	0	%100
84	M68	Z	-.059	-.059	0	%100
85	M69	X	.102	.102	0	%100
86	M69	Z	-.059	-.059	0	%100
87	M70	X	.102	.102	0	%100
88	M70	Z	-.059	-.059	0	%100
89	M71	X	.102	.102	0	%100
90	M71	Z	-.059	-.059	0	%100
91	M72	X	.447	.447	0	%100
92	M72	Z	-.258	-.258	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[in,%]	End Location[in,%]
1	M5	X	.052	.052	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.052	.052	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.052	.052	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.052	.052	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.328	.328	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.328	.328	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.328	.328	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.328	.328	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	.813	.813	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.404	.404	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.813	.813	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.404	.404	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.813	.813	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.813	.813	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.813	.813	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	.432	.432	0	%100
36	M22	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[in,%]	End Location[in,%]
37	M23	X	.432	.432	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	.481	.481	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	.813	.813	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	.813	.813	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	.404	.404	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	.813	.813	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	.404	.404	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	.813	.813	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	.813	.813	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	.813	.813	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	.432	.432	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	.432	.432	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	.481	.481	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	.813	.813	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	.644	.644	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	.644	.644	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	.644	.644	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	.644	.644	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	.644	.644	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	.474	.474	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	.644	.644	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	.644	.644	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	.644	.644	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	.071	.071	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	.071	.071	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	.071	.071	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	.071	.071	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	.516	.516	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	.083	.083	0	%100
2	M5	Z	.048	.048	0	%100
3	M6	X	.006	.006	0	%100
4	M6	Z	.004	.004	0	%100
5	M7	X	.169	.169	0	%100
6	M7	Z	.097	.097	0	%100
7	M8	X	.083	.083	0	%100
8	M8	Z	.048	.048	0	%100
9	M9	X	.006	.006	0	%100
10	M9	Z	.004	.004	0	%100
11	M10	X	.169	.169	0	%100
12	M10	Z	.097	.097	0	%100
13	M11	X	.523	.523	0	%100
14	M11	Z	.302	.302	0	%100
15	M12	X	.04	.04	0	%100
16	M12	Z	.023	.023	0	%100
17	M13	X	.523	.523	0	%100
18	M13	Z	.302	.302	0	%100
19	M14	X	.04	.04	0	%100
20	M14	Z	.023	.023	0	%100
21	M15	X	.553	.553	0	%100
22	M15	Z	.319	.319	0	%100
23	M16	X	.272	.272	0	%100
24	M16	Z	.157	.157	0	%100
25	M17	X	.553	.553	0	%100
26	M17	Z	.319	.319	0	%100
27	M18	X	.272	.272	0	%100
28	M18	Z	.157	.157	0	%100
29	M19	X	.556	.556	0	%100
30	M19	Z	.321	.321	0	%100
31	M20	X	.553	.553	0	%100
32	M20	Z	.319	.319	0	%100
33	M21	X	.553	.553	0	%100
34	M21	Z	.319	.319	0	%100
35	M22	X	.374	.374	0	%100
36	M22	Z	.216	.216	0	%100
37	M23	X	.374	.374	0	%100
38	M23	Z	.216	.216	0	%100
39	M24	X	.417	.417	0	%100
40	M24	Z	.241	.241	0	%100
41	M25	X	.556	.556	0	%100
42	M25	Z	.321	.321	0	%100
43	M26	X	.553	.553	0	%100
44	M26	Z	.319	.319	0	%100
45	M27	X	.426	.426	0	%100
46	M27	Z	.246	.246	0	%100
47	M28	X	.553	.553	0	%100
48	M28	Z	.319	.319	0	%100
49	M29	X	.426	.426	0	%100
50	M29	Z	.246	.246	0	%100
51	M30	X	.556	.556	0	%100
52	M30	Z	.321	.321	0	%100
53	M31	X	.553	.553	0	%100
54	M31	Z	.319	.319	0	%100
55	M32	X	.553	.553	0	%100
56	M32	Z	.319	.319	0	%100
57	M33	X	.374	.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M33	Z	.216	.216	0	%100
59	M34	X	.374	.374	0	%100
60	M34	Z	.216	.216	0	%100
61	M35	X	.417	.417	0	%100
62	M35	Z	.241	.241	0	%100
63	M36	X	.556	.556	0	%100
64	M36	Z	.321	.321	0	%100
65	MP1A	X	.558	.558	0	%100
66	MP1A	Z	.322	.322	0	%100
67	MP3A	X	.558	.558	0	%100
68	MP3A	Z	.322	.322	0	%100
69	MP5A	X	.558	.558	0	%100
70	MP5A	Z	.322	.322	0	%100
71	MP2A	X	.558	.558	0	%100
72	MP2A	Z	.322	.322	0	%100
73	MP4A	X	.558	.558	0	%100
74	MP4A	Z	.322	.322	0	%100
75	M50	X	.134	.134	0	%100
76	M50	Z	.077	.077	0	%100
77	M53	X	.558	.558	0	%100
78	M53	Z	.322	.322	0	%100
79	M56	X	.558	.558	0	%100
80	M56	Z	.322	.322	0	%100
81	M59	X	.558	.558	0	%100
82	M59	Z	.322	.322	0	%100
83	M68	X	.012	.012	0	%100
84	M68	Z	.007	.007	0	%100
85	M69	X	.012	.012	0	%100
86	M69	Z	.007	.007	0	%100
87	M70	X	.012	.012	0	%100
88	M70	Z	.007	.007	0	%100
89	M71	X	.012	.012	0	%100
90	M71	Z	.007	.007	0	%100
91	M72	X	.447	.447	0	%100
92	M72	Z	.258	.258	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[in,%]	End Location[in,%]
1	M5	X	.047	.047	0	%100
2	M5	Z	.082	.082	0	%100
3	M6	X	.003	.003	0	%100
4	M6	Z	.005	.005	0	%100
5	M7	X	.292	.292	0	%100
6	M7	Z	.506	.506	0	%100
7	M8	X	.047	.047	0	%100
8	M8	Z	.082	.082	0	%100
9	M9	X	.003	.003	0	%100
10	M9	Z	.005	.005	0	%100
11	M10	X	.292	.292	0	%100
12	M10	Z	.506	.506	0	%100
13	M11	X	.299	.299	0	%100
14	M11	Z	.518	.518	0	%100
15	M12	X	.02	.02	0	%100
16	M12	Z	.035	.035	0	%100
17	M13	X	.299	.299	0	%100
18	M13	Z	.518	.518	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[in,%]	End Location[in,%]
19	M14	X	.02	.02	0	%100
20	M14	Z	.035	.035	0	%100
21	M15	X	.144	.144	0	%100
22	M15	Z	.249	.249	0	%100
23	M16	X	.156	.156	0	%100
24	M16	Z	.27	.27	0	%100
25	M17	X	.144	.144	0	%100
26	M17	Z	.249	.249	0	%100
27	M18	X	.156	.156	0	%100
28	M18	Z	.27	.27	0	%100
29	M19	X	.15	.15	0	%100
30	M19	Z	.26	.26	0	%100
31	M20	X	.144	.144	0	%100
32	M20	Z	.249	.249	0	%100
33	M21	X	.144	.144	0	%100
34	M21	Z	.249	.249	0	%100
35	M22	X	.216	.216	0	%100
36	M22	Z	.374	.374	0	%100
37	M23	X	.216	.216	0	%100
38	M23	Z	.374	.374	0	%100
39	M24	X	.241	.241	0	%100
40	M24	Z	.417	.417	0	%100
41	M25	X	.15	.15	0	%100
42	M25	Z	.26	.26	0	%100
43	M26	X	.144	.144	0	%100
44	M26	Z	.249	.249	0	%100
45	M27	X	.245	.245	0	%100
46	M27	Z	.424	.424	0	%100
47	M28	X	.144	.144	0	%100
48	M28	Z	.249	.249	0	%100
49	M29	X	.245	.245	0	%100
50	M29	Z	.424	.424	0	%100
51	M30	X	.15	.15	0	%100
52	M30	Z	.26	.26	0	%100
53	M31	X	.144	.144	0	%100
54	M31	Z	.249	.249	0	%100
55	M32	X	.144	.144	0	%100
56	M32	Z	.249	.249	0	%100
57	M33	X	.216	.216	0	%100
58	M33	Z	.374	.374	0	%100
59	M34	X	.216	.216	0	%100
60	M34	Z	.374	.374	0	%100
61	M35	X	.241	.241	0	%100
62	M35	Z	.417	.417	0	%100
63	M36	X	.15	.15	0	%100
64	M36	Z	.26	.26	0	%100
65	MP1A	X	.322	.322	0	%100
66	MP1A	Z	.558	.558	0	%100
67	MP3A	X	.322	.322	0	%100
68	MP3A	Z	.558	.558	0	%100
69	MP5A	X	.322	.322	0	%100
70	MP5A	Z	.558	.558	0	%100
71	MP2A	X	.322	.322	0	%100
72	MP2A	Z	.558	.558	0	%100
73	MP4A	X	.322	.322	0	%100
74	MP4A	Z	.558	.558	0	%100
75	M50	X	2.2e-5	2.2e-5	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[in,%]	End Location[in,%]
76	M50	Z	3.8e-5	3.8e-5	0	%100
77	M53	X	.322	.322	0	%100
78	M53	Z	.558	.558	0	%100
79	M56	X	.322	.322	0	%100
80	M56	Z	.558	.558	0	%100
81	M59	X	.322	.322	0	%100
82	M59	Z	.558	.558	0	%100
83	M68	X	.002	.002	0	%100
84	M68	Z	.003	.003	0	%100
85	M69	X	.002	.002	0	%100
86	M69	Z	.003	.003	0	%100
87	M70	X	.002	.002	0	%100
88	M70	Z	.003	.003	0	%100
89	M71	X	.002	.002	0	%100
90	M71	Z	.003	.003	0	%100
91	M72	X	.258	.258	0	%100
92	M72	Z	.447	.447	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[in,%]	End Location[in,%]
1	M5	X	0	0	0	%100
2	M5	Z	.05	.05	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.05	.05	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	.779	.779	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.05	.05	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.05	.05	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	.779	.779	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.316	.316	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.316	.316	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.316	.316	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	.316	.316	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.112	.112	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.4	.4	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.112	.112	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.4	.4	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.129	.129	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.112	.112	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.112	.112	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	.432	.432	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[in,%]	End Location[in,%]
37	M23	X	0	0	0	%100
38	M23	Z	.432	.432	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	.481	.481	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.129	.129	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	.112	.112	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	.4	.4	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	.112	.112	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	.4	.4	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	.129	.129	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	.112	.112	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	.112	.112	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	.432	.432	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	.432	.432	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	.481	.481	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	.129	.129	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	.644	.644	0	%100
67	MP3A	X	0	0	0	%100
68	MP3A	Z	.644	.644	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	.644	.644	0	%100
71	MP2A	X	0	0	0	%100
72	MP2A	Z	.644	.644	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	.644	.644	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	.164	.164	0	%100
77	M53	X	0	0	0	%100
78	M53	Z	.644	.644	0	%100
79	M56	X	0	0	0	%100
80	M56	Z	.644	.644	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	.644	.644	0	%100
83	M68	X	0	0	0	%100
84	M68	Z	.05	.05	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	.05	.05	0	%100
87	M70	X	0	0	0	%100
88	M70	Z	.05	.05	0	%100
89	M71	X	0	0	0	%100
90	M71	Z	.05	.05	0	%100
91	M72	X	0	0	0	%100
92	M72	Z	.516	.516	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[in,%]	End Location[in,%]
1	M5	X	-.003	-.003	0	%100
2	M5	Z	.005	.005	0	%100
3	M6	X	-.047	-.047	0	%100
4	M6	Z	.082	.082	0	%100
5	M7	X	-.292	-.292	0	%100
6	M7	Z	.506	.506	0	%100
7	M8	X	-.003	-.003	0	%100
8	M8	Z	.005	.005	0	%100
9	M9	X	-.047	-.047	0	%100
10	M9	Z	.082	.082	0	%100
11	M10	X	-.292	-.292	0	%100
12	M10	Z	.506	.506	0	%100
13	M11	X	-.02	-.02	0	%100
14	M11	Z	.035	.035	0	%100
15	M12	X	-.299	-.299	0	%100
16	M12	Z	.518	.518	0	%100
17	M13	X	-.02	-.02	0	%100
18	M13	Z	.035	.035	0	%100
19	M14	X	-.299	-.299	0	%100
20	M14	Z	.518	.518	0	%100
21	M15	X	-.144	-.144	0	%100
22	M15	Z	.249	.249	0	%100
23	M16	X	-.245	-.245	0	%100
24	M16	Z	.424	.424	0	%100
25	M17	X	-.144	-.144	0	%100
26	M17	Z	.249	.249	0	%100
27	M18	X	-.245	-.245	0	%100
28	M18	Z	.424	.424	0	%100
29	M19	X	-.15	-.15	0	%100
30	M19	Z	.26	.26	0	%100
31	M20	X	-.144	-.144	0	%100
32	M20	Z	.249	.249	0	%100
33	M21	X	-.144	-.144	0	%100
34	M21	Z	.249	.249	0	%100
35	M22	X	-.216	-.216	0	%100
36	M22	Z	.374	.374	0	%100
37	M23	X	-.216	-.216	0	%100
38	M23	Z	.374	.374	0	%100
39	M24	X	-.241	-.241	0	%100
40	M24	Z	.417	.417	0	%100
41	M25	X	-.15	-.15	0	%100
42	M25	Z	.26	.26	0	%100
43	M26	X	-.144	-.144	0	%100
44	M26	Z	.249	.249	0	%100
45	M27	X	-.156	-.156	0	%100
46	M27	Z	.27	.27	0	%100
47	M28	X	-.144	-.144	0	%100
48	M28	Z	.249	.249	0	%100
49	M29	X	-.156	-.156	0	%100
50	M29	Z	.27	.27	0	%100
51	M30	X	-.15	-.15	0	%100
52	M30	Z	.26	.26	0	%100
53	M31	X	-.144	-.144	0	%100
54	M31	Z	.249	.249	0	%100
55	M32	X	-.144	-.144	0	%100
56	M32	Z	.249	.249	0	%100
57	M33	X	-.216	-.216	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[in,%]	End Location[in,%]
58	M33	Z	.374	.374	0	%100
59	M34	X	-.216	-.216	0	%100
60	M34	Z	.374	.374	0	%100
61	M35	X	-.241	-.241	0	%100
62	M35	Z	.417	.417	0	%100
63	M36	X	-.15	-.15	0	%100
64	M36	Z	.26	.26	0	%100
65	MP1A	X	-.322	-.322	0	%100
66	MP1A	Z	.558	.558	0	%100
67	MP3A	X	-.322	-.322	0	%100
68	MP3A	Z	.558	.558	0	%100
69	MP5A	X	-.322	-.322	0	%100
70	MP5A	Z	.558	.558	0	%100
71	MP2A	X	-.322	-.322	0	%100
72	MP2A	Z	.558	.558	0	%100
73	MP4A	X	-.322	-.322	0	%100
74	MP4A	Z	.558	.558	0	%100
75	M50	X	-.242	-.242	0	%100
76	M50	Z	.418	.418	0	%100
77	M53	X	-.322	-.322	0	%100
78	M53	Z	.558	.558	0	%100
79	M56	X	-.322	-.322	0	%100
80	M56	Z	.558	.558	0	%100
81	M59	X	-.322	-.322	0	%100
82	M59	Z	.558	.558	0	%100
83	M68	X	-.053	-.053	0	%100
84	M68	Z	.093	.093	0	%100
85	M69	X	-.053	-.053	0	%100
86	M69	Z	.093	.093	0	%100
87	M70	X	-.053	-.053	0	%100
88	M70	Z	.093	.093	0	%100
89	M71	X	-.053	-.053	0	%100
90	M71	Z	.093	.093	0	%100
91	M72	X	-.258	-.258	0	%100
92	M72	Z	.447	.447	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[in,%]	End Location[in,%]
1	M5	X	-.006	-.006	0	%100
2	M5	Z	.004	.004	0	%100
3	M6	X	-.083	-.083	0	%100
4	M6	Z	.048	.048	0	%100
5	M7	X	-.169	-.169	0	%100
6	M7	Z	.097	.097	0	%100
7	M8	X	-.006	-.006	0	%100
8	M8	Z	.004	.004	0	%100
9	M9	X	-.083	-.083	0	%100
10	M9	Z	.048	.048	0	%100
11	M10	X	-.169	-.169	0	%100
12	M10	Z	.097	.097	0	%100
13	M11	X	-.04	-.04	0	%100
14	M11	Z	.023	.023	0	%100
15	M12	X	-.523	-.523	0	%100
16	M12	Z	.302	.302	0	%100
17	M13	X	-.04	-.04	0	%100
18	M13	Z	.023	.023	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[in,%]	End Location[in,%]
19	M14	X	-.523	-.523	0	%100
20	M14	Z	.302	.302	0	%100
21	M15	X	-.553	-.553	0	%100
22	M15	Z	.319	.319	0	%100
23	M16	X	-.426	-.426	0	%100
24	M16	Z	.246	.246	0	%100
25	M17	X	-.553	-.553	0	%100
26	M17	Z	.319	.319	0	%100
27	M18	X	-.426	-.426	0	%100
28	M18	Z	.246	.246	0	%100
29	M19	X	-.556	-.556	0	%100
30	M19	Z	.321	.321	0	%100
31	M20	X	-.553	-.553	0	%100
32	M20	Z	.319	.319	0	%100
33	M21	X	-.553	-.553	0	%100
34	M21	Z	.319	.319	0	%100
35	M22	X	-.374	-.374	0	%100
36	M22	Z	.216	.216	0	%100
37	M23	X	-.374	-.374	0	%100
38	M23	Z	.216	.216	0	%100
39	M24	X	-.417	-.417	0	%100
40	M24	Z	.241	.241	0	%100
41	M25	X	-.556	-.556	0	%100
42	M25	Z	.321	.321	0	%100
43	M26	X	-.553	-.553	0	%100
44	M26	Z	.319	.319	0	%100
45	M27	X	-.272	-.272	0	%100
46	M27	Z	.157	.157	0	%100
47	M28	X	-.553	-.553	0	%100
48	M28	Z	.319	.319	0	%100
49	M29	X	-.272	-.272	0	%100
50	M29	Z	.157	.157	0	%100
51	M30	X	-.556	-.556	0	%100
52	M30	Z	.321	.321	0	%100
53	M31	X	-.553	-.553	0	%100
54	M31	Z	.319	.319	0	%100
55	M32	X	-.553	-.553	0	%100
56	M32	Z	.319	.319	0	%100
57	M33	X	-.374	-.374	0	%100
58	M33	Z	.216	.216	0	%100
59	M34	X	-.374	-.374	0	%100
60	M34	Z	.216	.216	0	%100
61	M35	X	-.417	-.417	0	%100
62	M35	Z	.241	.241	0	%100
63	M36	X	-.556	-.556	0	%100
64	M36	Z	.321	.321	0	%100
65	MP1A	X	-.558	-.558	0	%100
66	MP1A	Z	.322	.322	0	%100
67	MP3A	X	-.558	-.558	0	%100
68	MP3A	Z	.322	.322	0	%100
69	MP5A	X	-.558	-.558	0	%100
70	MP5A	Z	.322	.322	0	%100
71	MP2A	X	-.558	-.558	0	%100
72	MP2A	Z	.322	.322	0	%100
73	MP4A	X	-.558	-.558	0	%100
74	MP4A	Z	.322	.322	0	%100
75	M50	X	-.553	-.553	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[in,%]	End Location[in,%]
76	M50	Z	.319	.319	0	%100
77	M53	X	-.558	-.558	0	%100
78	M53	Z	.322	.322	0	%100
79	M56	X	-.558	-.558	0	%100
80	M56	Z	.322	.322	0	%100
81	M59	X	-.558	-.558	0	%100
82	M59	Z	.322	.322	0	%100
83	M68	X	-.102	-.102	0	%100
84	M68	Z	.059	.059	0	%100
85	M69	X	-.102	-.102	0	%100
86	M69	Z	.059	.059	0	%100
87	M70	X	-.102	-.102	0	%100
88	M70	Z	.059	.059	0	%100
89	M71	X	-.102	-.102	0	%100
90	M71	Z	.059	.059	0	%100
91	M72	X	-.447	-.447	0	%100
92	M72	Z	.258	.258	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[in,%]	End Location[in,%]
1	M5	X	-.052	-.052	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.052	-.052	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.052	-.052	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.052	-.052	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.328	-.328	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.328	-.328	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-.328	-.328	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.328	-.328	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-.813	-.813	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.404	-.404	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.813	-.813	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.404	-.404	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.813	-.813	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.813	-.813	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.813	-.813	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-.432	-.432	0	%100
36	M22	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
37	M23	X	-.432	-.432	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-.481	-.481	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.813	-.813	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-.813	-.813	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-.404	-.404	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-.813	-.813	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-.404	-.404	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-.813	-.813	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-.813	-.813	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-.813	-.813	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-.432	-.432	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-.432	-.432	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-.481	-.481	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-.813	-.813	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-.644	-.644	0	%100
66	MP1A	Z	0	0	0	%100
67	MP3A	X	-.644	-.644	0	%100
68	MP3A	Z	0	0	0	%100
69	MP5A	X	-.644	-.644	0	%100
70	MP5A	Z	0	0	0	%100
71	MP2A	X	-.644	-.644	0	%100
72	MP2A	Z	0	0	0	%100
73	MP4A	X	-.644	-.644	0	%100
74	MP4A	Z	0	0	0	%100
75	M50	X	-.474	-.474	0	%100
76	M50	Z	0	0	0	%100
77	M53	X	-.644	-.644	0	%100
78	M53	Z	0	0	0	%100
79	M56	X	-.644	-.644	0	%100
80	M56	Z	0	0	0	%100
81	M59	X	-.644	-.644	0	%100
82	M59	Z	0	0	0	%100
83	M68	X	-.071	-.071	0	%100
84	M68	Z	0	0	0	%100
85	M69	X	-.071	-.071	0	%100
86	M69	Z	0	0	0	%100
87	M70	X	-.071	-.071	0	%100
88	M70	Z	0	0	0	%100
89	M71	X	-.071	-.071	0	%100
90	M71	Z	0	0	0	%100
91	M72	X	-.516	-.516	0	%100
92	M72	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[in,%]	End Location[in,%]
1	M5	X	-.083	-.083	0	%100
2	M5	Z	-.048	-.048	0	%100
3	M6	X	-.006	-.006	0	%100
4	M6	Z	-.004	-.004	0	%100
5	M7	X	-.169	-.169	0	%100
6	M7	Z	-.097	-.097	0	%100
7	M8	X	-.083	-.083	0	%100
8	M8	Z	-.048	-.048	0	%100
9	M9	X	-.006	-.006	0	%100
10	M9	Z	-.004	-.004	0	%100
11	M10	X	-.169	-.169	0	%100
12	M10	Z	-.097	-.097	0	%100
13	M11	X	-.523	-.523	0	%100
14	M11	Z	-.302	-.302	0	%100
15	M12	X	-.04	-.04	0	%100
16	M12	Z	-.023	-.023	0	%100
17	M13	X	-.523	-.523	0	%100
18	M13	Z	-.302	-.302	0	%100
19	M14	X	-.04	-.04	0	%100
20	M14	Z	-.023	-.023	0	%100
21	M15	X	-.553	-.553	0	%100
22	M15	Z	-.319	-.319	0	%100
23	M16	X	-.272	-.272	0	%100
24	M16	Z	-.157	-.157	0	%100
25	M17	X	-.553	-.553	0	%100
26	M17	Z	-.319	-.319	0	%100
27	M18	X	-.272	-.272	0	%100
28	M18	Z	-.157	-.157	0	%100
29	M19	X	-.556	-.556	0	%100
30	M19	Z	-.321	-.321	0	%100
31	M20	X	-.553	-.553	0	%100
32	M20	Z	-.319	-.319	0	%100
33	M21	X	-.553	-.553	0	%100
34	M21	Z	-.319	-.319	0	%100
35	M22	X	-.374	-.374	0	%100
36	M22	Z	-.216	-.216	0	%100
37	M23	X	-.374	-.374	0	%100
38	M23	Z	-.216	-.216	0	%100
39	M24	X	-.417	-.417	0	%100
40	M24	Z	-.241	-.241	0	%100
41	M25	X	-.556	-.556	0	%100
42	M25	Z	-.321	-.321	0	%100
43	M26	X	-.553	-.553	0	%100
44	M26	Z	-.319	-.319	0	%100
45	M27	X	-.426	-.426	0	%100
46	M27	Z	-.246	-.246	0	%100
47	M28	X	-.553	-.553	0	%100
48	M28	Z	-.319	-.319	0	%100
49	M29	X	-.426	-.426	0	%100
50	M29	Z	-.246	-.246	0	%100
51	M30	X	-.556	-.556	0	%100
52	M30	Z	-.321	-.321	0	%100
53	M31	X	-.553	-.553	0	%100
54	M31	Z	-.319	-.319	0	%100
55	M32	X	-.553	-.553	0	%100
56	M32	Z	-.319	-.319	0	%100
57	M33	X	-.374	-.374	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[in,%]	End Location[in,%]
58	M33	Z	-.216	-.216	0	%100
59	M34	X	-.374	-.374	0	%100
60	M34	Z	-.216	-.216	0	%100
61	M35	X	-.417	-.417	0	%100
62	M35	Z	-.241	-.241	0	%100
63	M36	X	-.556	-.556	0	%100
64	M36	Z	-.321	-.321	0	%100
65	MP1A	X	-.558	-.558	0	%100
66	MP1A	Z	-.322	-.322	0	%100
67	MP3A	X	-.558	-.558	0	%100
68	MP3A	Z	-.322	-.322	0	%100
69	MP5A	X	-.558	-.558	0	%100
70	MP5A	Z	-.322	-.322	0	%100
71	MP2A	X	-.558	-.558	0	%100
72	MP2A	Z	-.322	-.322	0	%100
73	MP4A	X	-.558	-.558	0	%100
74	MP4A	Z	-.322	-.322	0	%100
75	M50	X	-.134	-.134	0	%100
76	M50	Z	-.077	-.077	0	%100
77	M53	X	-.558	-.558	0	%100
78	M53	Z	-.322	-.322	0	%100
79	M56	X	-.558	-.558	0	%100
80	M56	Z	-.322	-.322	0	%100
81	M59	X	-.558	-.558	0	%100
82	M59	Z	-.322	-.322	0	%100
83	M68	X	-.012	-.012	0	%100
84	M68	Z	-.007	-.007	0	%100
85	M69	X	-.012	-.012	0	%100
86	M69	Z	-.007	-.007	0	%100
87	M70	X	-.012	-.012	0	%100
88	M70	Z	-.007	-.007	0	%100
89	M71	X	-.012	-.012	0	%100
90	M71	Z	-.007	-.007	0	%100
91	M72	X	-.447	-.447	0	%100
92	M72	Z	-.258	-.258	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[in,%]	End Location[in,%]
1	M5	X	-.047	-.047	0	%100
2	M5	Z	-.082	-.082	0	%100
3	M6	X	-.003	-.003	0	%100
4	M6	Z	-.005	-.005	0	%100
5	M7	X	-.292	-.292	0	%100
6	M7	Z	-.506	-.506	0	%100
7	M8	X	-.047	-.047	0	%100
8	M8	Z	-.082	-.082	0	%100
9	M9	X	-.003	-.003	0	%100
10	M9	Z	-.005	-.005	0	%100
11	M10	X	-.292	-.292	0	%100
12	M10	Z	-.506	-.506	0	%100
13	M11	X	-.299	-.299	0	%100
14	M11	Z	-.518	-.518	0	%100
15	M12	X	-.02	-.02	0	%100
16	M12	Z	-.035	-.035	0	%100
17	M13	X	-.299	-.299	0	%100
18	M13	Z	-.518	-.518	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[in,%]	End Location[in,%]
19	M14	X	-.02	-.02	0	%100
20	M14	Z	-.035	-.035	0	%100
21	M15	X	-.144	-.144	0	%100
22	M15	Z	-.249	-.249	0	%100
23	M16	X	-.156	-.156	0	%100
24	M16	Z	-.27	-.27	0	%100
25	M17	X	-.144	-.144	0	%100
26	M17	Z	-.249	-.249	0	%100
27	M18	X	-.156	-.156	0	%100
28	M18	Z	-.27	-.27	0	%100
29	M19	X	-.15	-.15	0	%100
30	M19	Z	-.26	-.26	0	%100
31	M20	X	-.144	-.144	0	%100
32	M20	Z	-.249	-.249	0	%100
33	M21	X	-.144	-.144	0	%100
34	M21	Z	-.249	-.249	0	%100
35	M22	X	-.216	-.216	0	%100
36	M22	Z	-.374	-.374	0	%100
37	M23	X	-.216	-.216	0	%100
38	M23	Z	-.374	-.374	0	%100
39	M24	X	-.241	-.241	0	%100
40	M24	Z	-.417	-.417	0	%100
41	M25	X	-.15	-.15	0	%100
42	M25	Z	-.26	-.26	0	%100
43	M26	X	-.144	-.144	0	%100
44	M26	Z	-.249	-.249	0	%100
45	M27	X	-.245	-.245	0	%100
46	M27	Z	-.424	-.424	0	%100
47	M28	X	-.144	-.144	0	%100
48	M28	Z	-.249	-.249	0	%100
49	M29	X	-.245	-.245	0	%100
50	M29	Z	-.424	-.424	0	%100
51	M30	X	-.15	-.15	0	%100
52	M30	Z	-.26	-.26	0	%100
53	M31	X	-.144	-.144	0	%100
54	M31	Z	-.249	-.249	0	%100
55	M32	X	-.144	-.144	0	%100
56	M32	Z	-.249	-.249	0	%100
57	M33	X	-.216	-.216	0	%100
58	M33	Z	-.374	-.374	0	%100
59	M34	X	-.216	-.216	0	%100
60	M34	Z	-.374	-.374	0	%100
61	M35	X	-.241	-.241	0	%100
62	M35	Z	-.417	-.417	0	%100
63	M36	X	-.15	-.15	0	%100
64	M36	Z	-.26	-.26	0	%100
65	MP1A	X	-.322	-.322	0	%100
66	MP1A	Z	-.558	-.558	0	%100
67	MP3A	X	-.322	-.322	0	%100
68	MP3A	Z	-.558	-.558	0	%100
69	MP5A	X	-.322	-.322	0	%100
70	MP5A	Z	-.558	-.558	0	%100
71	MP2A	X	-.322	-.322	0	%100
72	MP2A	Z	-.558	-.558	0	%100
73	MP4A	X	-.322	-.322	0	%100
74	MP4A	Z	-.558	-.558	0	%100
75	M50	X	-2.2e-5	-2.2e-5	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[in,%]	End Location[in,%]
76	M50	Z	-3.8e-5	-3.8e-5	0	%100
77	M53	X	-.322	-.322	0	%100
78	M53	Z	-.558	-.558	0	%100
79	M56	X	-.322	-.322	0	%100
80	M56	Z	-.558	-.558	0	%100
81	M59	X	-.322	-.322	0	%100
82	M59	Z	-.558	-.558	0	%100
83	M68	X	-.002	-.002	0	%100
84	M68	Z	-.003	-.003	0	%100
85	M69	X	-.002	-.002	0	%100
86	M69	Z	-.003	-.003	0	%100
87	M70	X	-.002	-.002	0	%100
88	M70	Z	-.003	-.003	0	%100
89	M71	X	-.002	-.002	0	%100
90	M71	Z	-.003	-.003	0	%100
91	M72	X	-.258	-.258	0	%100
92	M72	Z	-.447	-.447	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N4	max	1182.863	10	1286.315	21	621.332	2	-.148	11	0	51	.105	29
2		min	-762.606	28	545.618	12	-3695.335	20	-.355	16	0	1	-.014	49
3	N65	max	725.849	34	1088.828	17	3544.742	14	-.127	12	0	51	.095	29
4		min	-1043.802	40	452.702	11	197.615	8	-.301	18	0	1	-.021	49
5	N71	max	904.907	11	108.971	23	1533.376	11	-.058	5	0	51	.115	23
6		min	-905.727	5	29.888	5	-1531.304	5	-.209	23	0	1	.036	5
7	Totals:	max	2183.452	10	2475.696	23	3014.241	1						
8		min	-2183.452	4	1072.227	5	-3014.244	7						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [...	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M5	PL3/8X3	.647	0	21	.084	0	y	49	34985.705	36450	.284	2.279	1...	H1-1b
2	M6	PL3/8X3	.442	0	15	.070	0	y	49	34985.705	36450	.284	2.279	1...	H1-1b
3	M7	PIPE_2.5	.156	46.875	9	.160	39.375		1	10110.272	50715	3.596	3.596	2...	H1-1b
4	M8	PL3/8X3	.570	0	14	.112	0	y	49	34985.705	36450	.284	2.279	1...	H1-1b
5	M9	PL3/8X3	.420	0	17	.071	0	y	49	34985.705	36450	.284	2.279	1...	H1-1b
6	M10	PIPE_2.5	.129	39.375	49	.087	39.375		43	10110.272	50715	3.596	3.596	2...	H1-1b
7	M11	PIPE_2.0	.288	5.937	21	.136	64.57		11	21054.34	32130	1.872	1.872	2...	H1-1b
8	M12	PIPE_2.0	.208	5.937	30	.062	0		28	21054.34	32130	1.872	1.872	2...	H1-1b
9	M13	PIPE_2.0	.280	6.68	15	.162	64.57		5	21054.34	32130	1.872	1.872	1...	H1-1b
10	M14	PIPE_2.0	.227	6.68	27	.089	64.57		29	21054.34	32130	1.872	1.872	2...	H1-1b
11	M15	PL3/8X3	.019	2	29	.046	0	y	49	35791.785	36450	.284	2.279	1...	H1-1b*
12	M16	HSS1.500x.06	.213	22.253	26	.018	45.453		9	5952.309	8958.963	.342	.342	1...	H1-1a
13	M17	PL3/8X3	.033	2	29	.015	0	y	18	35791.785	36450	.284	2.279	1...	H1-1b*
14	M18	HSS1.500x.06	.081	22.727	14	.017	0		3	5952.309	8958.963	.342	.342	1...	H1-1b
15	M19	PL3/8X3	.010	0	2	.024	0	y	42	35791.785	36450	.284	2.279	1...	H1-1b
16	M20	PL3/8X3	.020	2	29	.046	0	y	49	35791.785	36450	.284	2.279	1...	H1-1b*
17	M21	PL3/8X3	.033	2	29	.015	2	y	18	35791.785	36450	.284	2.279	1...	H1-1b*

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [...	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
18	M22	HSS1.500x.06	.094	31	29	.031	0		49	7407.301	8958.963	.342	.342	1....	H1-1b*
19	M23	HSS1.500x.06	.161	31	29	.011	31		18	7407.301	8958.963	.342	.342	1....	H1-1b*
20	M24	PIPE_2.0	.011	0	14	.003	31		6	29659.269	32130	1.872	1.872	1....	H1-1b*
21	M25	PL3/8X3	.010	2	2	.024	2	y	42	35791.785	36450	.284	2.279	1....	H1-1b
22	M26	PL3/8X3	.018	2	13	.043	0	y	49	35791.785	36450	.284	2.279	1....	H1-1b*
23	M27	HSS1.500x.06	.258	22.253	24	.025	45.453		11	5952.309	8958.963	.342	.342	1....	H1-1a
24	M28	PL3/8X3	.034	2	20	.019	0	y	19	35791.785	36450	.284	2.279	1....	H1-1b*
25	M29	HSS1.500x.06	.099	22.727	24	.028	45.453		9	5952.309	8958.963	.342	.342	1....	H1-1b
26	M30	PL3/8X3	.518	0	5	.045	2	z	5	35791.785	36450	.284	2.279	1....	H1-1b
27	M31	PL3/8X3	.019	2	13	.043	0	y	49	35791.785	36450	.284	2.279	1....	H1-1b*
28	M32	PL3/8X3	.034	2	20	.019	2	y	18	35791.785	36450	.284	2.279	1....	H1-1b*
29	M33	HSS1.500x.06	.091	31	13	.029	0		49	7407.301	8958.963	.342	.342	1....	H1-1b*
30	M34	HSS1.500x.06	.166	31	20	.014	31		18	7407.301	8958.963	.342	.342	1....	H1-1b*
31	M35	PIPE_2.0	.661	15.5	11	.099	15.5		11	29659.269	32130	1.872	1.872	1....	H1-1b
32	M36	PL3/8X3	.558	2	11	.044	0	z	5	35791.785	36450	.284	2.279	1....	H1-1b
33	MP1A	PIPE_2.0	.065	15	17	.031	50		9	23808.54	32130	1.872	1.872	1....	H1-1b
34	MP3A	PIPE_2.0	.076	15	11	.022	15		49	20866.733	32130	1.872	1.872	2....	H1-1b
35	MP5A	PIPE_2.0	.217	50	49	.039	15		49	23808.54	32130	1.872	1.872	1....	H1-1b
36	MP2A	PIPE_2.0	.092	32	7	.028	32		6	14916.096	32130	1.872	1.872	4....	H1-1b
37	MP4A	PIPE_2.5	.301	32	7	.079	67		10	30038.461	50715	3.596	3.596	2....	H1-1b
38	M50	PIPE_2.0	.136	0	23	.018	0		49	24228.323	32130	1.872	1.872	2....	H1-1b
39	M53	PIPE_2.0	.077	55.5	49	.024	21		19	20866.733	32130	1.872	1.872	2....	H1-1b
40	M56	PIPE_2.0	.066	18.75	6	.024	18.75		6	20866.733	32130	1.872	1.872	1....	H1-1b
41	M59	PIPE_2.0	.053	32	43	.019	61		49	14916.096	32130	1.872	1.872	3....	H1-1b
42	M68	SR_.5	.063	0	21	.020	0		23	5635.075	6361.74	.053	.053	1....	H1-1b
43	M69	SR_.5	.063	0	21	.020	0		23	5635.075	6361.74	.053	.053	1....	H1-1b
44	M70	SR_.5	.082	0	16	.027	0		17	5635.075	6361.74	.053	.053	1....	H1-1b
45	M71	SR_.5	.082	0	15	.027	0		17	5635.075	6361.74	.053	.053	1....	H1-1b
46	M72	PIPE_2.0	.002	16.292	5	.007	27.979		12	29181.602	32130	1.872	1.872	1....	H1-1b

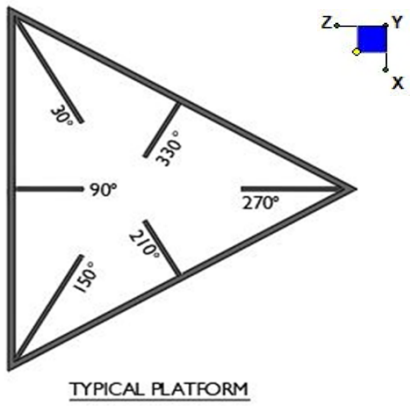
Client:	Verizon Wireless	Date:	8/3/2021
Site Name:	Jewett City CT		
Project No.	20777643A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

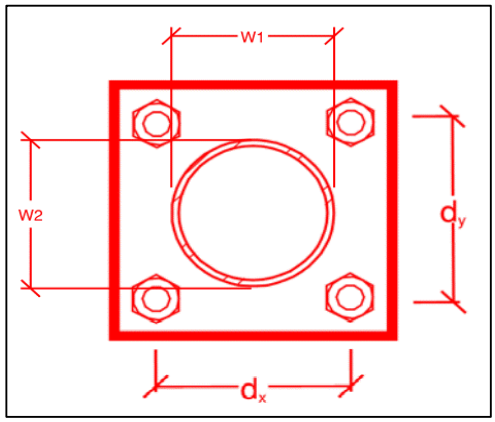
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N4	120
N65	120



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	2
d_x (in) *(Delta X of typ. bolt config. sketch)* :	3
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	2
Bolt Type:	U-Bolt
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	7.1
Required Shear Strength (kips):	3.6
Tensile Strength / bolt (kips):	16.3
Shear Strength / bolt (kips):	9.8
Tensile Capacity Overall:	**21.6%***
Shear Capacity Overall:	**18.5%**



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall replace all mount pipes in position 4 (from left to right from behind the mount) with 96" long P2 1/2 STD mount pipe. Connect to the top and bottom face horizontals with new crossover plates (VZWSMART-MSK1). Install such that the top of the mount pipe is 32" above the top face horizontal.

Contractor shall install the new OVP on the existing equipment pipe on the left standoff (from behind the mount) on the Alpha sector. Install in the center of the pipe.

Contractor shall verify all mount pipe connections have u-bolts and install 1/2" dia. u-bolts at locations without u-bolts.

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: 468232-VZW - Jewett City

Sector: **A**

Structure Type: Self Support

Mount Elev: 157.00

10032620

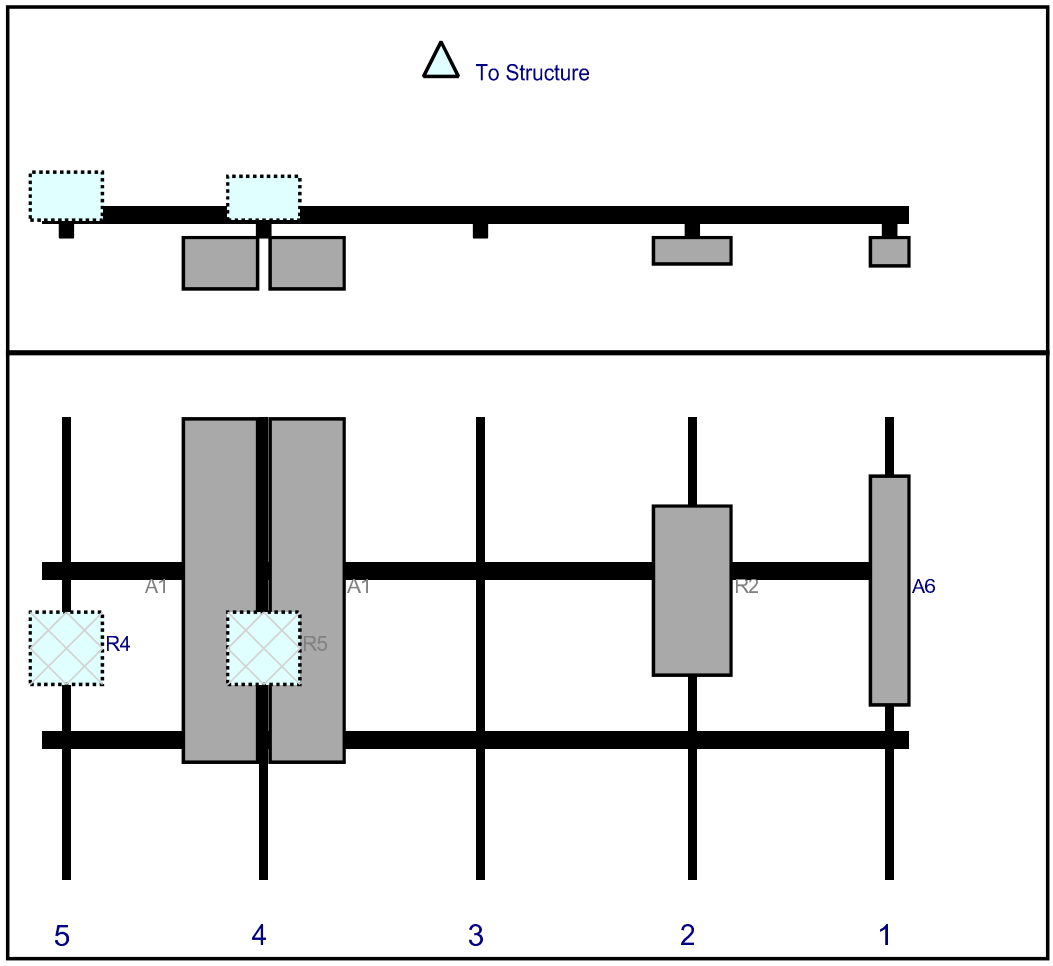
8/2/2021

Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

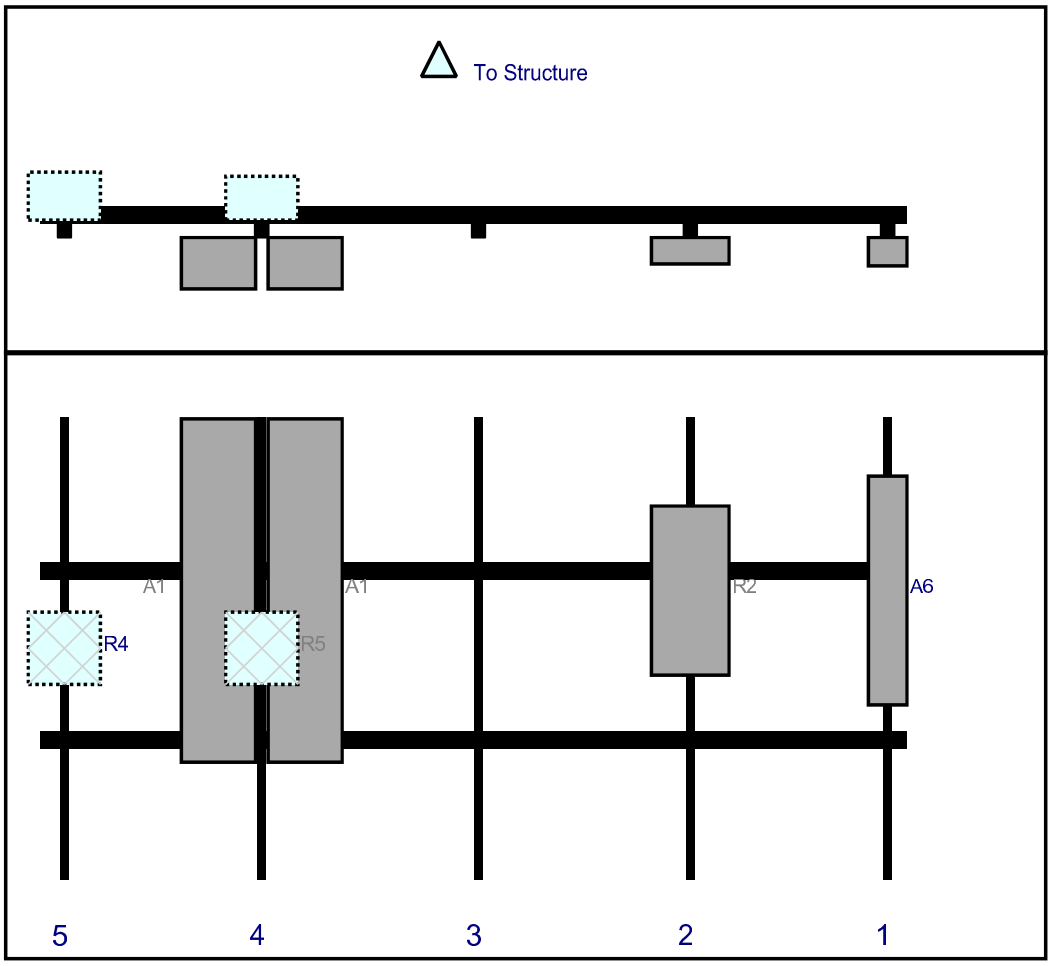


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	BXA-70080-4BF-EDIN-0	47.5	8	176	1	a	Front	36	0	Retained	02/09/2021
R2	MT6407-77A	35.1	16.1	135	2	a	Front	36	0	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	b	Front	36	-9	Added	
R5	RF4440d-13A	15	15	46	4	a	Behind	48	0	Added	
R4	RF4439d-25A	15	15	5	5	a	Behind	48	0	Added	

MASER CONSULTING — CONNECTICUT —

Plan View

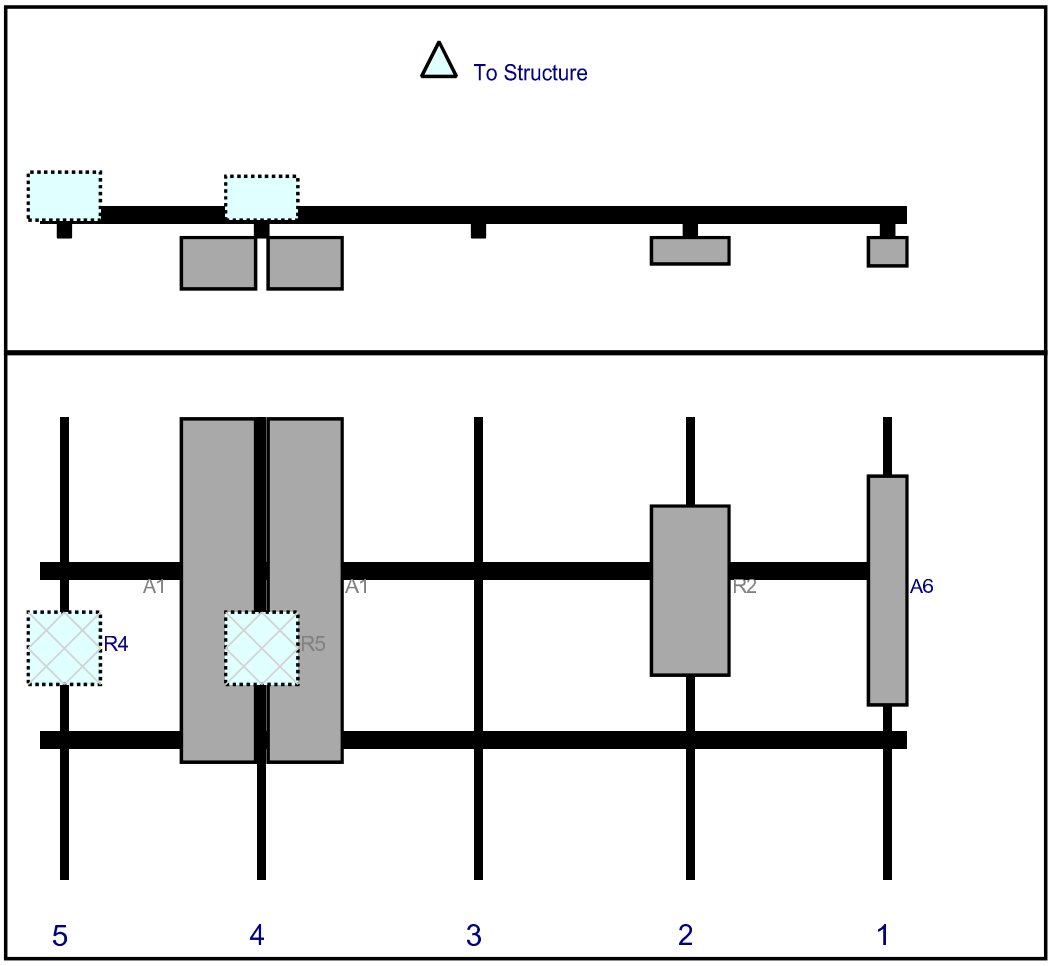
Front View
Looking at Structure



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
A6	BXA-70080-4BF-EDIN-0	47.5	8	176	1	a	Front	36	0	Retained	02/09/2021
R2	MT6407-77A	35.1	16.1	135	2	a	Front	36	0	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	b	Front	36	-9	Added	
R5	RF4440d-13A	15	15	46	4	a	Behind	48	0	Added	
R4	RF4439d-25A	15	15	5	5	a	Behind	48	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	BXA-70080-4BF-EDIN-0	47.5	8	176	1	a	Front	36	0	Retained	02/09/2021
R2	MT6407-77A	35.1	16.1	135	2	a	Front	36	0	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	46	4	b	Front	36	-9	Added	
R5	RF4440d-13A	15	15	46	4	a	Behind	48	0	Added	
R4	RF4439d-25A	15	15	5	5	a	Behind	48	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	468232-VZW / Jewett City
	Site Name:	Jewett City
	Carrier Name:	Verizon Wireless
	Address:	257 Norman Rd Griswold, Connecticut 06351 New London County
	Latitude:	41.601487°
	Longitude:	-71.952853°
Structure Information	Tower Type:	161.5-Ft Self Support
	Mount Type:	15.00-Ft Sector Frame

To Whom It May Concern,

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

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

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

ATTACHMENT 5

3085
ng 38-69-6
ddress 179 NORMAN RD

0050A

Alternate ID N0299800
Class S
Acreage 64

Owner Address NORMAN ERNEST R ETAL
257 NORMAN ROAD
GRISWOLD CT 06351

Summary

ParcelId	3085
Account Number	N0299800
Location Address	179 NORMAN RD
Map-Block-Lot	38 /69 /6
	Dev Lot. 7091
Use Class/Description	7150 UNMANAGED PASTURE
Assessing Neighborhood	0050A
Census Tract	7091
Acreage	64
Utilities	

Owner

NORMAN ERNEST R ETAL
257 NORMAN ROAD
GRISWOLD, CT 06351

Current Appraised Value

	2017	2015
+ Building Value	$0	$0
+ XF Value	$0	$0
+ OB Value	$0	$0
+ Land Value	$149,400	$152,100
+ Special Land Value		
+ Total Appraised Value	$149,400	$152,100
+ Net Appraised Value	$149,400	$152,100
+ Current Assessment	$7,680	$4,600

Assessment History

	2017	2015
+ Building Value	$0	$0
+ OB/Misc	$0	$0
+ Land	$7,680	$4,600
+ Total Assessment	$7,680	$4,600

ATTACHMENT 6

JEWETT CITY

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 10/14/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103 OCT 14 2021 USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Todd Babbitt, First Selectman Town of Griswold 28 Main Street Jewett City, CT 06351				
2.	Mario Tristany, Jr., Town Planner Town of Griswold 28 Main Street Jewett City, CT 06351				
3.	Ernest R. Norman, Et Al 257 Norman Road Griswold, CT 06351				
4.					
5.					
6.					