Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

January 28, 2022

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
129-133 Coppermine Road, Oxford, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Oxford in November of 2001. Cellco's shared use of the tower was approved by the Siting Council ("Council") in January of 2005 (EM-VER-108-041214). A copy of the Town's approval and Council's EM-VER-108-041214 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing twelve (9) existing antennas and installing (3) new Samsung MT6407-77A antennas and six (3) new NNH4-65C-R6 antennas on its existing antenna platform. 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 the specifications for Cellco's new antennas and RRHs are included in Attachment 2.

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

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 its existing antenna platform.

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

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

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

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

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

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials 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:
George Temple, Oxford First Selectman
Steven Macary, Zoning Enforcement Officer
Karla Hanna, Verizon Wireless

ATTACHMENT 1

TOWN OF OXFORD
BUILDING DEPARTMENT PERMIT APPLICATION

Permit #: B01-309 Date: 11/13/01 // Receipt #: _____ Date: _____

This Building Permit is issued pursuant to Section 114.0 of the Basic Building Code of the State of Connecticut and is subject to the provisions thereof.
It is issued on the basis of the application described below and is valid only for the work indicated in Item #3.
All Town Planning and Zoning and Inland Wetland Regulations must be complied with.

To be filled out by Tax Collector Only

All Property Taxes Are Current: Yes / No Date 3/21/00 Initials KMEG N/A - Town Owned - NO Taxes due

To be filled out in Assessor's Office

Street Address 133 Coppermine Rd Map 12 Block 57 Lot 17 Initials J.S.

To be filled in by Applicant
(please print)

Signature of Applicant

1) Name of Property Owner TOWN OF OXFORD
Address of Property Owner 486 OXFORD RD. Phone 203-888-2543

2) Name of Applicant NEXTEL COMMUNICATIONS
Address of Applicant 100 CORPORATE PLACE ROCKY HILL, CT. 06067 Phone 860-513-5426

3) Permit Use SEE ATTACHED SHEET Cell Tower Square Foot ~~Living Area~~ SHELTER 200 sq-ft.
4) Contractor's Registration # _____

To be filled out by Inland Wetland Enforcement Officer Only

Permit # _____ Date of Approval 3-28-00 Initials _____

To be filled out by P.D.D.H.

Permit # _____ Date of Approval 3-28-00 Initials SK

To be filled out by Zoning Enforcement Officer Only Town Meeting Approved

Permit # _____ Date of Approval _____ Initials PTS

To be filled out by Building Official Only

Est. Cost $ 120,000.00

Complete Set of Blueprints (necessary with application) _____

Fee $ 877.20

Type of Work: Residential _____ Commercial ✓ Industrial _____

Miscellaneous Information: Footing Size _____ Rafter Size _____ # of Baths _____
Footing Drain _____ # of Bedrooms _____
See Plans. Wall Size _____ Garage Sq. Footage _____

Joist Span: Floor _____ Ceiling _____ **Wall Studs:** Interior _____ Exterior _____ **Insulation:** Wall _____ Ceiling _____ Floor _____

Swimming Pool Size _____ AG / IG Deck Size _____

Neither the Town of Oxford nor any authorized agent assumes any responsibility for the construction or maintenance of any facility built under this permit.

C/O Approval Date: 11/19/01 Building Official Initials _____ Date 11/19/01

THIS BUILDING MUST NOT BE OCCUPIED
UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN OBTAINED.

White - Building Department / Yellow - Assessor / Pink - Applicant

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

January 25, 2005

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

RE: **EM-VER-108-041214** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Coppermine Road, Oxford, Connecticut.

Dear Attorney Baldwin:

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

The proposed modifications are to be implemented as specified here and in your notice dated December 14, 2004, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable August A. Palmer, First Selectman, Town of Oxford
Vincent Vizzo, Planning & Zoning Chairman, Town of Oxford
Thomas F. Flynn III, Nextel Communications, Inc.
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP
Michele G. Briggs, The New Cingular Wireless PCS, LLC

G:\...\oxford\dd012405.doc

CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY UPGRADE

OXFORD SW CT
129-133 COPPERMINE RD
OXFORD, CT 06478

PROJECT SUMMARY

1. THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:

A. AT THE EXISTING MONOPOLE MOUNTED ANTENNA SECTORS:

- REMOVE (3) EXISTING ANTEL – BXA-70063-6CF ANTENNAS.
- REMOVE (3) EXISTING AMPHENOL – BXA-171063-12BF ANTENNAS.
- REMOVE (2) EXISTING ANTEL – LPA-80063-4CF-EDIN ANTENNAS.
- REMOVE (4) EXISTING DBP – DBP44G65A-XY ANTENNAS ANTENNAS.
- REMOVE (2) EXISTING 1-5/8" COAXIAL CABLES.
- REMOVE (6) EXISTING RFS – FD9R6004/2C-3L DIPLEXERS.
- REMOVE (3) EXISTING COMMSCOPE – CBC7823T-DS-43 TRIPLEXER.
- RETAIN (10) EXISTING COAXIAL CABLES.
- INSTALL (3) COMMSCOPE – NHH4-65C-R6 ANTENNAS.
- INSTALL (3) SAMSUNG – MT6407-77A ALL-IN-ONE ANTENNA/ RRUs.
- INSTALL (3) SAMSUNG – B2/B66A RRH-BR049 RRUs.
- INSTALL (3) SAMSUNG – B5/B13 RRH-BR04C RRUs.
- INSTALL (2) 6x12 HYBRID CABLES.
- INSTALL (1) OVP-12 BOX.

B. AT THE EXISTING VERIZON WIRELESS EQUIPMENT SHELTER:

- REMOVE (3) EXISTING NOKIA – UHBA B13 RRH 4x30.

PROJECT INFORMATION

SITE NAME:	OXFORD SW CT
SITE ADDRESS:	129-133 COPPERMINE RD OXFORD, CT 06478
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT PERSON:	WALTER CHARCZNSKI (CONSTRUCTION MANAGER) VERIZON WIRELESS (860) 306-1806
ENGINEER:	CENTEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT. 06405 (203) 488-0580
PROJECT COORDINATES:	LATITUDE: 41°-23'-17.0016"N LONGITUDE: 73°-10'-19.9992"W COORDINATES REFERENCED FROM VERIZON WIRELESS RFDS DATED (08/08/2021).

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
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N-1	NOTES AND SPECIFICATIONS	0
B-1	RF BILL OF MATERIALS	0
C-1	PROPOSED COMPOUND PLAN AND ELEVATION	0
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	0
C-3	RF DETAILS	0
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	0

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES, 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE, AND LOCAL CODES.
2. SHOULD ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
3. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
4. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
5. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, AND ALL TRADES AS APPLICABLE PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
7. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
8. LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING BUILDING'S/PROPERTY'S OPERATIONS, COORDINATE WORK WITH BUILDING/PROPERTY OWNER.
10. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
11. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
12. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
13. ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
15. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
16. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
17. COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB- CONTRACTORS FOR ANY CONDITION PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
19. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED PRIOR TO ANY EXCAVATION WORK. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.

SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE, WALLINGFORD, CONNECTICUT **TO:** 129-133 COPPERMINE RD, OXFORD, CT 06478

1.	START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD.	0.18 MI
2.	TURN RIGHT ONTO BARNES INDUSTRIAL RD.	0.11 MI
3.	TAKE THE 1ST LEFT ONTO CT-68.	0.35 MI
4.	TURN RIGHT ONTO RAMP.	0.17 MI
5.	TURN RIGHT ONTO N COLONY RD/US-5 N.	0.39 MI
6.	MERGE ONTO CT-15 S VIA THE RAMP ON THE LEFT.	18.11 MI
7.	MERGE ONTO CT-34 W VIA EXIT 58 TOWARD DERBY.	3.17 MI
8.	TURN LEFT ONTO MAIN ST/CT-34. CONTINUE TO FOLLOW CT-34.	7.14 MI
9.	TURN RIGHT ONTO COPPERMINE RD.	0.30 MI
10.	129-133 COPPERMINE RD, OXFORD, CT 06478-1780, 129-133 COPPERMINE RD IS ON SERVICE ROAD ON THE RIGHT.	

VICINITY MAP

SCALE: 1" = 1000'

Celtco Partnership d/b/a Verizon Wireless

OXFORD SW CT

129-133 COPPERMINE RD
OXFORD, CT 06478

DATE: 09/16/21
SCALE: AS NOTED
JOB NO. 21007.24

TITLE SHEET

T-1

Sheet No. 1 of 7

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	09/16/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
0	01/07/22	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

NOTES AND SPECIFICATIONS

DESIGN BASIS:

GOVERNING CODE: 2015 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2018 CT STATE BUILDING CODE AND AMENDMENTS.

1. DESIGN CRITERIA:

- RISK CATEGORY: II (BASED ON TABLE 1604.5 OF THE 2015 IBC)
- NOMINAL DESIGN SPEED (TOWER): 97 MPH (Vasd) (EXPOSURE B/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10) PER 2015 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2018 CONNECTICUT STATE BUILDING CODE.
- SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
2. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
3. BEFORE BEGINNING THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH INVESTIGATIONS CONCERNING PHYSICAL CONDITIONS (SURFACE AND SUBSURFACE) AT OR CONTIGUOUS TO THE SITE WHICH MAY AFFECT PERFORMANCE AND COST OF THE WORK.
4. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST EXISTING FIELD CONDITIONS.
5. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
6. ALL DIMENSIONS, ELEVATIONS, AND OTHER REFERENCES TO EXISTING STRUCTURES, SURFACE, AND SUBSURFACE CONDITIONS ARE APPROXIMATE. NO GUARANTEE IS MADE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, ANGLES WITH EXISTING CONDITIONS AND WITH ARCHITECTURAL AND SITE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
7. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS WHICH ARE IN CONFLICT OR OTHERWISE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS AND SHALL NOT PROCEED WITH SUCH WORK UNTIL THE CONFLICT IS SATISFACTORILY RESOLVED.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE SHORING, BRACING, AND BARRICADES AS MAY BE REQUIRED FOR THE PROTECTION OF EXISTING PROPERTY, CONSTRUCTION WORKERS, AND FOR PUBLIC SAFETY.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING SITE OPERATIONS, COORDINATE WORK WITH NORTHEAST UTILITIES
10. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
11. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	09/16/21	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
0	01/07/22	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
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DATE: 09/16/21
SCALE: AS NOTED
JOB NO. 21007.24

NOTES AND SPECIFICATIONS

N-1

Sheet No. 2 of 7

PLUMBING DIAGRAM NOTES:

1. PORTS 1 & 2 ARE FOR LOW BAND (698–896 MHz).
2. PORTS 3, 4, 5 & 5 ARE FOR HIGH BAND (1695–2360 MHz).
3. SMART BIAS TEE (SBT) IS THROUGH ANTENNA PORTS 1 & 3 (1 FOR LOW BAND AND 3 FOR HIGH BAND).
4. AISG CABLE IS ONLY NEEDED WHEN DRAWN IN THE DIAGRAMS ABOVE. IF IT IS NOT DRAWN THEN SBT IS ENOUGH TO CONTROL ALL RET MOTORS.
5. NOT ALL SBT PORTS ARE NEEDED TO CONTROL RET. ONLY GREEN PORT CONNECTION TO GREEN PORT WILL CONTROL RET.

RET DC SIGNAL PASS FOR RET
(PORT THAT WILL CONTROL RET)

PLUMBING DIAGRAM COMMENTS:

A. DIAGRAMS SHOW ANTENNA PORT CONFIGURATIONS AS VIEWED FROM BELOW ANTENNAS.

B. ANTENNA POSITIONS ARE INDICATED AS VIEWED FROM IN FRONT OF ANTENNAS.

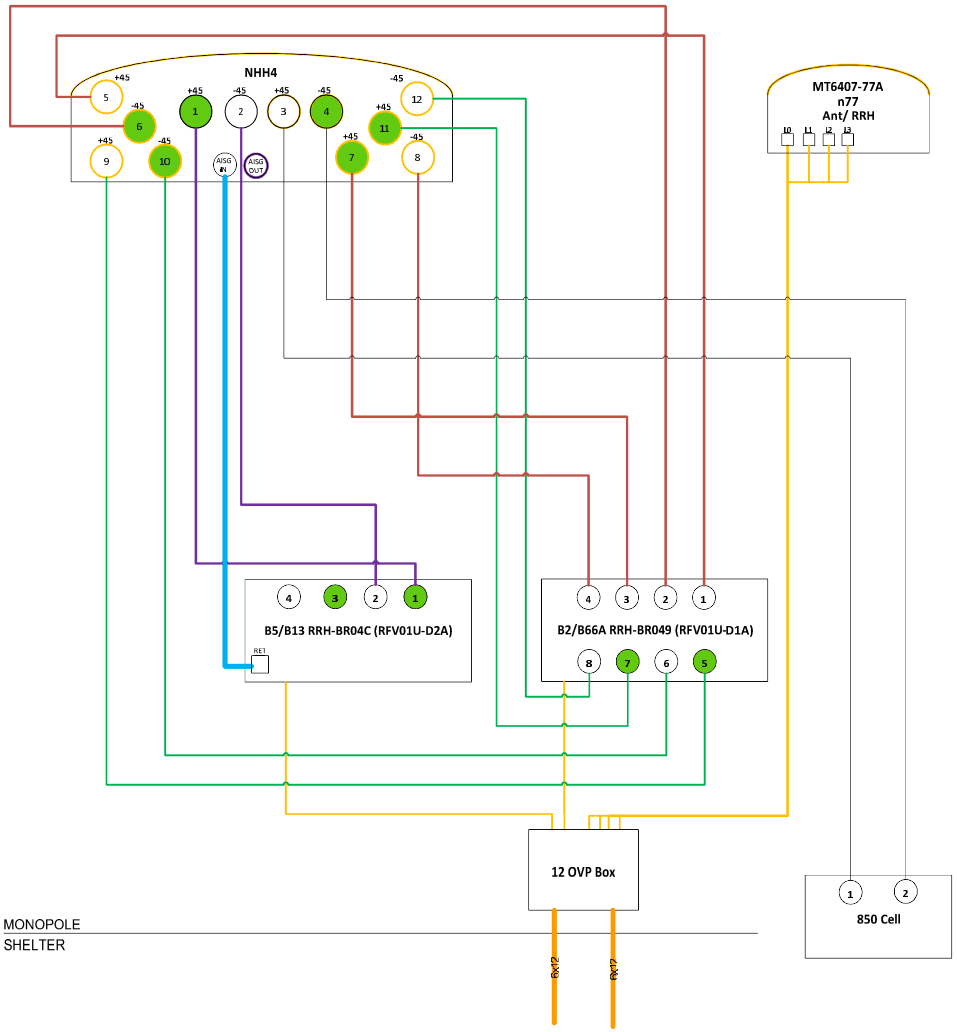
C. CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.

D. ALL PLUMBING DIAGRAM COLORS ARE IRRELEVANT EXCEPT FOR AISG AND HYBRIFLEX CABLE. (FOR THE COAX COLORS, FOLLOW COAX COLORS GUIDE ABOVE)

DC SIGNAL CAPABLE PORT

AISG CABLE

RET DC SIGNAL PASS FOR RET (PORT THAT WILL CONTROL RET)



NOTES:

1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.O.M. DRAWING IS BASED ON FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.0 DATED: 01.07.22), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 08.08.21).

BILL OF MATERIALS		
TECHNOLOGY	QUANTITY	ANTENNA
LTE 700	3	COMMSCOPE ANTENNA MODEL: NNH4-65B-R6H4
LTE 850		
LTE PCS 1900		
LTE AWS 2100		
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

RADIOS	QUANTITY	COMMENTS
LTE 700	3	SAMSUNG MODEL: B5/B13 RRH-BR04C
LTE 850		
LTE PCS 1900	3	SAMSUNG MODEL: B2/B66A RRH-BR049
LTE AWS 2100		
5G	3	INTEGRATED INTO MT6407-77A ANTENNA

DIPLEXERS	QUANTITY	COMMENTS
LTE 700	0	-
LTE 850		

CABLES	QUANTITY	LENGTH	COMMENTS
HYBRID CABLE	2	±220 EA	6x12 HYBRIFLEX LI

OVP BOXES	QUANTITY	COMMENTS
RAYCAP OVP-12 BOX	1	MODEL: DB-C1-12C-24AB-0Z

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

OXFORD SW CT

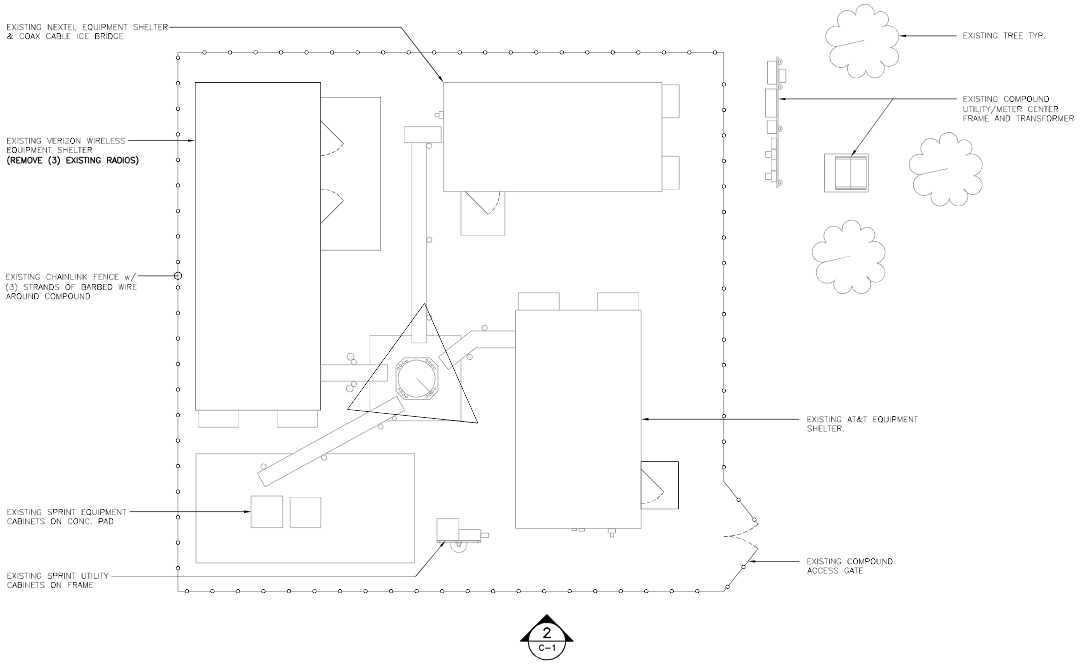
129-133 COPPERMINE RD
OXFORD, CT 06478

DATE: 09/16/21
SCALE: AS NOTED
JOB NO. 21007.24

RF BILL OF MATERIALS

B-1

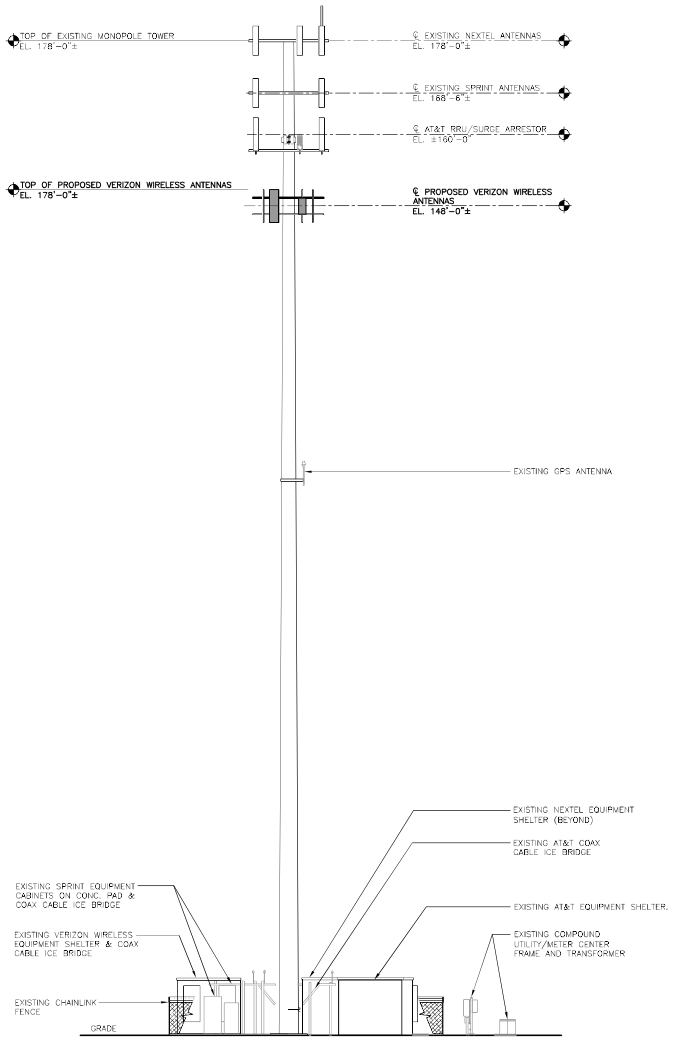
Sheet No. 3 of 7



1 C-1 **COMPOUND PLAN - PROPOSED**
SCALE: 1" = 10'-0"

APPROX. NORTH

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.



2 C-1 **SOUTH COMPOUND ELEVATION - PROPOSED**
SCALE: 1" = 10'-0"

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	01/07/22	ANC	DMD	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
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SCALE: AS NOTED
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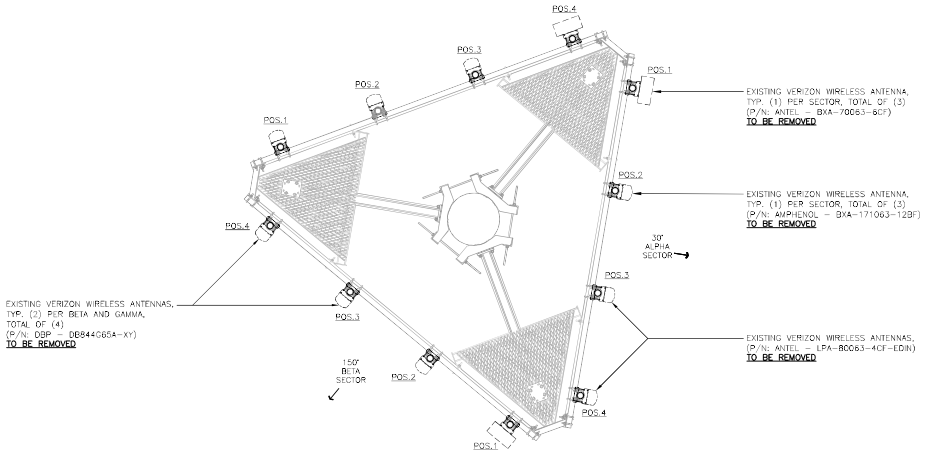
PROPOSED COMPOUND PLAN AND ELEVATION

C-1

Sheet No. 4 of 7

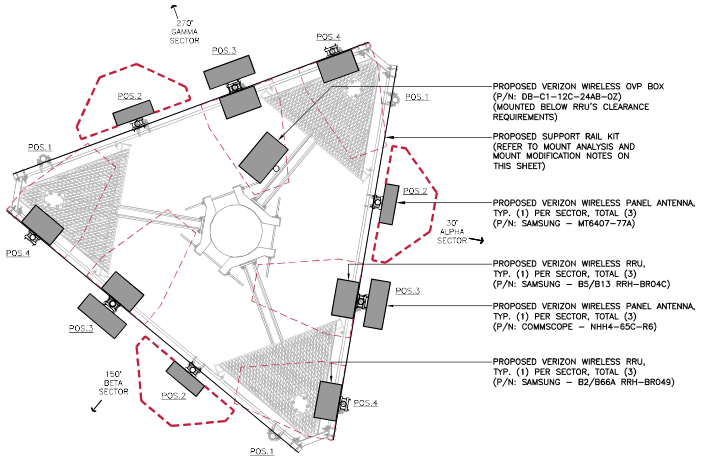
EXISTING ANTENNA CONFIGURATIONS



1 / C-2 **EXISTING SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'

APPROXIMATE NORTH

PROPOSED ANTENNA CONFIGURATIONS



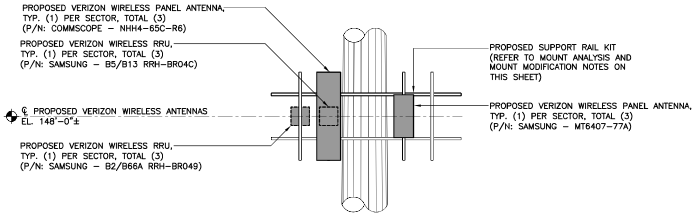
1A / C-2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'

APPROXIMATE NORTH

LEGEND		
– – –	VERIZON WIRELESS MT6407-77A REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)	
ANTENNA CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT	
- - - - -	VERIZON WIRELESS RRU REQUIRED CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)	
RRU CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT	

ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 08/26/2021 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 08/26/2020 FOR ANTENNA MOUNT MODIFICATIONS.



TYPICAL SECTOR

2 / C-2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 1/4" = 1'-0"

NO.	DESCRIPTION	DRAWN BY	CHK'D BY	DATE
A	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION	ANC	DMD	01/07/22
1	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW	ANC	DMD	09/16/21

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SCALE: AS NOTED
JOB NO. 21007.24

ANTENNA SECTOR CONFIGURATION DETAILS

C-2

Sheet No. 5 of 7

ANTENNA FRONT

SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: MT6407-77A	35.1"h x 16.1"W x 5.5"D (NOT TO EXCEED)	87 LBS. (NOT TO EXCEED)
CLEARANCES AND SERVICE AREA		
TOP: 31.5" FRONT, SIDES & BOTTOM: 15.7"	HORIZONTAL DISTANCE: 31.5" (ANT. TO ANT.) VERTICAL DISTANCE: 63.0" (ANT. TO ANT.)	
NOTES: 1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH.		

1 C-3 **SECTOR ANTENNA DETAIL**
NOT TO SCALE

ELEVATION - ISOMETRIC

BOTTOM

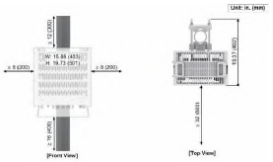
12-PORT SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: COMMSCOPE MODEL: NNH4-65C-R6	72"L x 19.6"W x 7.7"D	84.4 LBS. (W/OUT MOUNT KIT)

2 C-3 **SECTOR ANTENNA DETAIL**
NOT TO SCALE

OVP BOX		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: RAYCAP MODEL: DB-C1-12C-24AB-0Z	29.5"H x 16.5"W x 12.6"D	32 LBS.
NOTES: 1. CONTRACTOR TO CONFIRM OVP BOX MAKE/MODEL AND QUANTITY WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.		

3 C-3 **PROPOSED OVER-VOLTAGE PROTECTION BOX**
NOT TO SCALE

RRH ISOMETRIC

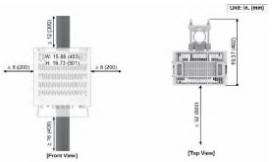


RRH CLEARANCES

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: B2/B66A RRH-BR049 (RFV01U-D1A)	B2: PCS (1900 MHz) B66: AWS (2100 MHz)	15.0"H x 15.0"W x 10.0"D	84.4 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

4 C-3 **DUAL-BAND AWS/PCS RADIO UNIT DETAIL**
NOT TO SCALE

RRH ISOMETRIC



RRH CLEARANCES

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: B5/B13 RRH-BR04C (RFV01U-D2A)	B5: 850 MHz B13: 700 MHz	15.0"H x 15.0"W x 8.1"D	70.3 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

5 C-3 **DUAL-BAND 700/850 MHZ RADIO UNIT DETAIL**
NOT TO SCALE

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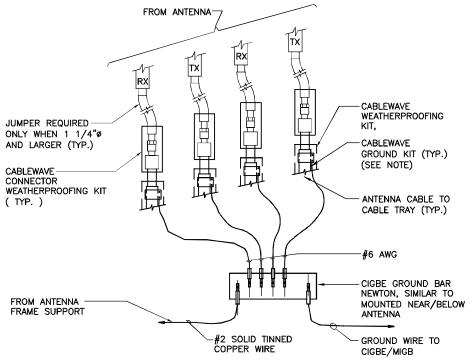
RF DETAILS

C-3

Sheet No. 6 of 7

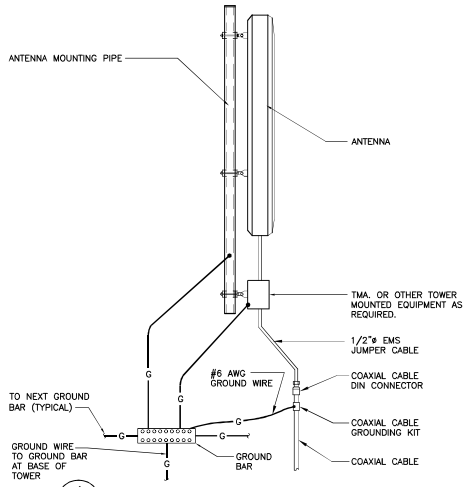


NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE

1 / E-1 CONNECTION OF GROUND WIRES TO GROUND BAR

NOT TO SCALE

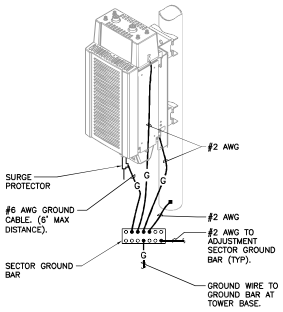


4 / E-1 TYPICAL ANTENNA GROUNDING DETAIL

NOT TO SCALE

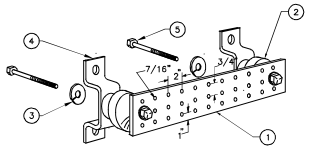
EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

1. AT TOP OF THE CABINET
2. AT RIGHT SIDE OF THE CABINET.



2 / E-1 RRH POLE MOUNT GROUNDING

NOT TO SCALE

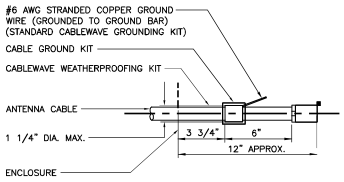


NOTES

1. TINNED COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056.
5. 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

5 / E-1 GROUND BAR DETAIL

NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

3 / E-1 ANTENNA CABLE GROUNDING DETAIL

NOT TO SCALE

ELECTRICAL SPECIFICATIONS

SECTION 16010

1.01. SCOPE OF WORK

A. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

1.02. GENERAL REQUIREMENTS

A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.

B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.

E. NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.

F. THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.

G. DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.

H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.

I. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.

J. ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.

K. BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.

L. ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16450

1.01. GROUNDING

A. ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.

B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.

C. EQUIPMENT GROUNDING CONDUCTOR:

1. EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.

2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.

D. CELLULAR GROUNDING SYSTEM:

PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:

1. GROUND BARS
2. ANTENNA GROUND CONNECTIONS AND PLATES.

E. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

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ELECTRICAL DETAILS AND SPECIFICATIONS

E-1

Sheet No. 7 of 7

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

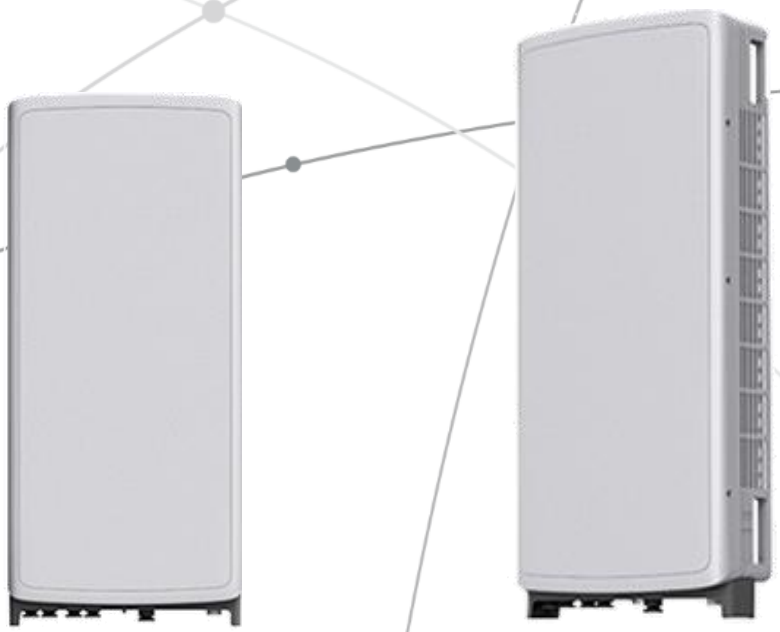
SAMSUNG

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

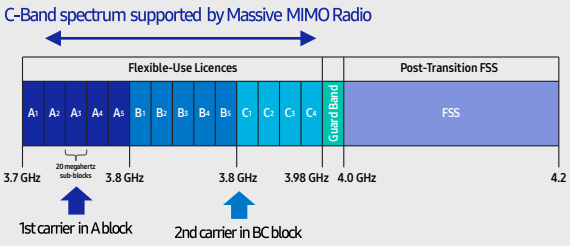


Points of Differentiation

Wide Bandwidth

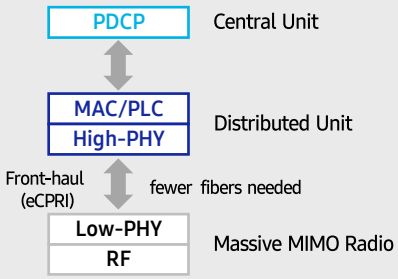
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

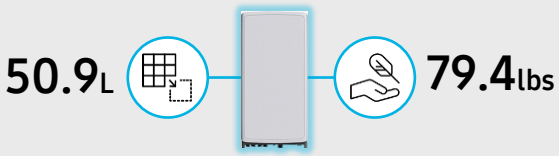
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

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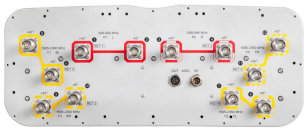


12-port sector antenna, 4x 698–896 and 8x 1695–2360 MHz, 65° HPBW, 6x RET.

- Features broadband Low Band (698-896 MHz) and High Band (1695-2360 MHz) arrays for 4T4R (4X MIMO) capability for Band 14, AWS, PCS and WCS applications.
- Independent tilt for all arrays.
- Array configuration provides capability for 4T4R (4x MIMO) on Low band and Dual 4T4R (4x MIMO) on High band
- Optimized SPR performance across all operating bands
- Excellent wind loading characteristics

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc
Internal RET	High band (4) | Low band (2)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W

NNH4-65C-R6

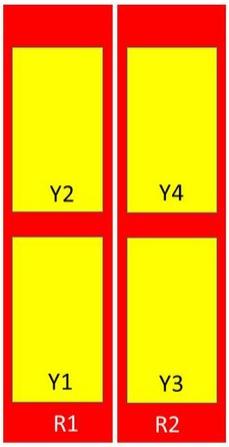
Protocol	3GPP/AISG 2.0 (Multi-RET)

Dimensions

Width	498 mm | 19.606 in
Depth	197 mm | 7.756 in
Length	2438 mm | 95.984 in
Net Weight, without mounting kit	46.8 kg | 103.176 lb

NNH4-65C-R6

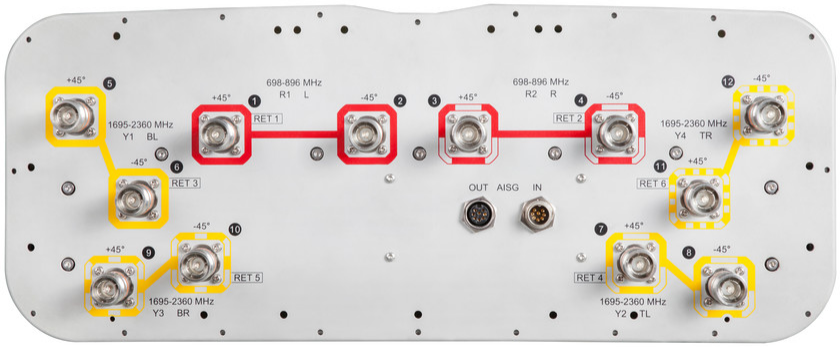
Array Layout



Array	Freq (MHz)	Conns	RET (MRET)	AISG RET UID
R1	698-896	1-2	1	CPxxxxxxxxxxxxxxxmm.1
R2	698-896	3-4	2	CPxxxxxxxxxxxxxxxmm.2
Y1	1695-2360	5-6	3	CPxxxxxxxxxxxxxxxmm.3
Y2	1695-2360	7-8	4	CPxxxxxxxxxxxxxxxmm.4
Y3	1695-2360	9-10	5	CPxxxxxxxxxxxxxxxmm.5
Y4	1695-2360	11-12	6	CPxxxxxxxxxxxxxxxmm.6

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

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz

Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2180**	**2300–2360**
Gain, dBi	15.7	16.1	17	17.5	17.7	17.8
Beamwidth, Horizontal, degrees	75	73	58	59	61	59
Beamwidth, Vertical, degrees	9.7	8.6	7.9	7.4	7	6.3
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	19	19	17	18	20	18
Front-to-Back Ratio at 180°, dB	32	33	39	42	39	40
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	250	250	250	200

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**806–896**	**1695–1880**	**1850–1990**	**1920–2180**	**2300–2360**
Gain by all Beam Tilts, average, dBi	15.2	15.9	16.5	17.1	17.2	17.3
Gain by all Beam Tilts Tolerance, dB	±0.7	±0.4	±0.8	±0.6	±0.6	±0.7
Gain by Beam Tilt, average, dBi	2 ° | 15.2 7 ° | 15.3 12 ° | 15.1	2 ° | 15.8 7 ° | 16.0 12 ° | 15.7	2 ° | 16.6 7 ° | 16.8 12 ° | 16.2	2 ° | 17.1 7 ° | 17.4 12 ° | 16.7	2 ° | 17.1 7 ° | 17.6 12 ° | 16.9	2 ° | 17.1 7 ° | 17.6 12 ° | 16.9
Beamwidth, Horizontal Tolerance, degrees	±2.4	±2.1	±4.8	±2.4	±3.2	±3.8
Beamwidth, Vertical Tolerance, degrees	±0.8	±0.5	±0.4	±0.3	±0.5	±0.3
USLS, beampeak to 20° above beampeak, dB	16	17	14	15	16	16
Front-to-Back Total Power at 180° ± 30°, dB	23	22	31	33	29	27
CPR at Boresight, dB	22	24	20	21	21	20

CPR at Sector, dB	9	6	9	9	8	8

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.9 m² | 9.688 ft²
Effective Projective Area (EPA), lateral	0.31 m² | 3.337 ft²
Wind Loading @ Velocity, frontal	954.0 N @ 150 km/h (214.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	331.0 N @ 150 km/h (74.4 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	1,235.0 N @ 150 km/h (277.6 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	785.0 N @ 150 km/h (176.5 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	608 mm | 23.937 in
Depth, packed	352 mm | 13.858 in
Length, packed	2630 mm | 103.543 in
Weight, gross	68.3 kg | 150.576 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

ATTACHMENT 3

	General	Power	Density					
Site Name: Oxford SW								
Tower Height: Verizon @ 148ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	4	1028	168	1900	0.05634652	1	0.56%	
*T-Mobile	2	2057	168	1900	0.056373926	1	0.56%	
*T-Mobile	2	2308	168	2100	0.063252806	1	0.63%	
*T-Mobile	2	592	168	600	0.01622429	0.4	0.41%	
*T-Mobile	1	1578	168	600	0.021623251	0.4	0.54%	
*T-Mobile	2	695	168	700	0.019047097	0.466666667	0.41%	
*T-Mobile	2	2105	168	1900	0.057689409	1	0.58%	
*T-Mobile	1	19239	168	2500	0.263631008	1	2.64%	
*T-Mobile	1	19239	168	2500	0.263631008	1	2.64%	
*Nextel	9	100	178	851	0.01094031	0.567333333	0.19%	
*Sprint	8	778	150	2500	0.107941543	1	1.08%	
*Sprint	3	347	168	1900	0.014264768	1	0.14%	
*Sprint	1	195	168	850	0.002672075	0.566666667	0.05%	
*Sprint	2	347	168	2500	0.009509846	1	0.10%	
*AT&T	1	538	161	880	0.008053097	0.586666667	0.14%	
*AT&T	2	565	158	880	0.017588763	0.586666667	0.30%	
*AT&T	2	875	158	1900	0.027239234	1	0.27%	
*AT&T	4	934	161	1900	0.055922618	1	0.56%	
*AT&T	1	1375	161	734	0.020581799	0.489333333	0.42%	
VZW 700	**2**	**1208**	**148**	**751**	**0.0040**	**0.5007**	**0.79%**	
VZW CDMA	**2**	**454**	**148**	**877.26**	**0.0015**	**0.5848**	**0.25%**	
VZW Cellular	**2**	**1442**	**148**	**874**	**0.0047**	**0.5827**	**0.81%**	
VZW PCS	**4**	**1355**	**148**	**1975**	**0.0089**	**1.0000**	**0.89%**	
VZW AWS	**4**	**1247**	**148**	**2120**	**0.0082**	**1.0000**	**0.82%**	
VZW CBAND	**2**	**21627**	**148**	**3730.08**	**0.0710**	**1.0000**	**7.10%**	
								22.88%
* Source: Siting Council								

ATTACHMENT 4

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

Structural Analysis Report

Existing 178 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46127-A

Customer Site Name: Oxford-south

Carrier Name: Verizon (App#: 174123-1)

Carrier Site ID / Name: 16273376 / OXFORD SW CT

Site Location: Coppermine Rd.

Oxford, Connecticut

New Haven County

Latitude: 41.387777

Longitude: -73.172222

Analysis Result:

Max Structural Usage: 94.6% [Pass]

Max Foundation Usage: 63.0% [Pass]

Additional Usage Caused by Mount Modification: +2%

Report Prepared By: Tawfeeq Alajaj

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Phone (972) 483-0607, Fax (972) 975-9615
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Additional Usage Caused by Mount Modification:

Report Prepared By: Tawfeeq Alajaj

Introduction

The purpose of this report is to summarize the analysis results on the 178 ft SUMMIT Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford And Company, Job# 29200-156, dated 02/11/2000
Foundation Drawing	Paul J. Ford And Company, Job# 29200-156, dated 02/23/2000
Geotechnical Report	DR. Clarence Welti, P.E., P.C, dated 12/15/2000
Modification Drawings	Close Out Letter by Vertical Solutions, Project# 140196.01, Revision 0, dated Close Out Letter by Vertical Solutions, Project# 130317.01, Revision 0, dated
Mount Analysis	Modification and Design Drawing by TES, Project# 100841, dated 12/23/2020. Verizon Mount Mods by Maser Consulting#21777097A. Dated 08/26/2021.

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed Vult = 125.0mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 97.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			– B Omni	Platform w/ Hand Rail		Oxford Fire Department
			Ericsson AIR32 KRD901146-1_B66A_B2A (Octo)	Low Profile Platform w/handrail New replaced handrail kit, plan bracing and kicker kit	(3) 2" Hybrid	T-Mobile Sprint
			Ericsson AIR6449 B41			
			Ericsson 4415 B25			
			ALU 800 MHz RRH			
			Ericsson 4449 B71 + B85			
			ALU 800 MHz Filter			
			Powerwave 7770.00	Low Profile Platform		
			Andrew SBNH1D6565C			
			Ericsson RRUS 11			
			Raycap DC6-48-60-18-8F			
			Antel BXA-70063-6CF	Low Profile Platform		Verizon
			Antel BXA-171063-12BF			
			Antel LPA-80063-4CF			
			Decibel DB844G65ZAXY - Panel			
		3	JMA Wireless - MX08FRO665-21 - Panel		(1) 1.6" Hybrid	Dish Wireless
			Fujitsu TA08025-B604			
			Fujitsu TA08025-B605			
			Raycap RDIDC-9181-PF-48			

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
			Samsung - MT6407-77A - Panel	Modified Low Profile Platform with SQCX4-K and 48" LONG	(2) 6x12 Hybrid	Verizon
			CommScope - NNH4-65C-R6 - Panel			
			Samsung B2/B66A-RRH-B409			
			Samsung B5/B13 RRH BR04C			

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

Analysis Results

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

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

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (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.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 2.1221 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.

Usage Diagram - Max Ratio 94.65% at 49.0ft

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south	**Exposure:**	C	
Height:	178.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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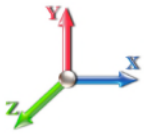
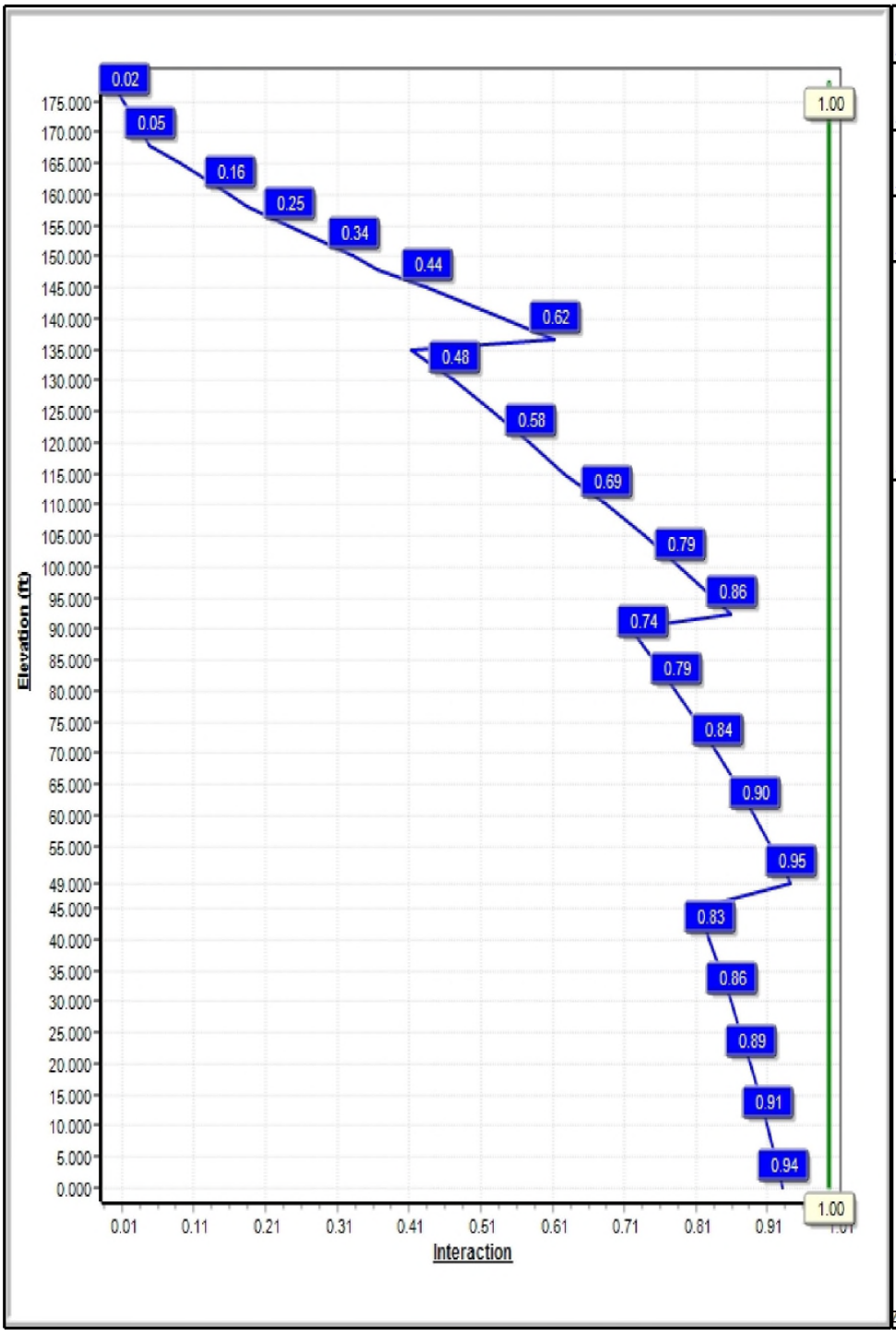
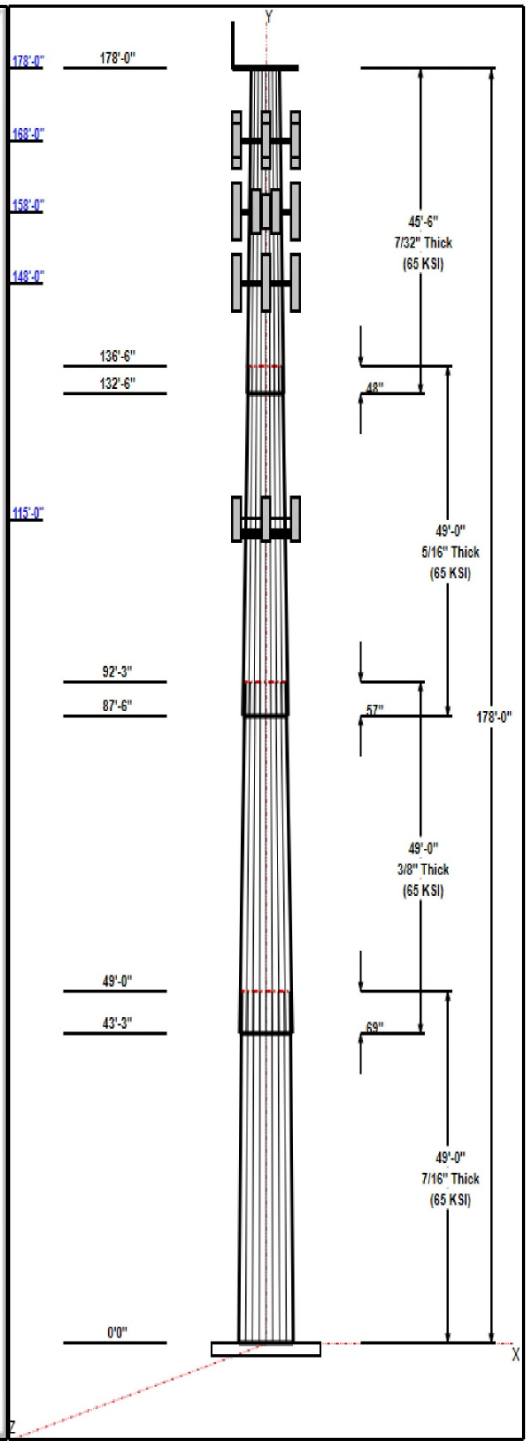
Dead Load Factor:	1.20	**Iterations:**	28
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 97 mph Wind







Structure: CT46127-A-SBA

Type: Tapered
Site Name: Oxford-south
Height: 178.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.16580

12/22/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	49.00	43.58	51.70	0.438		0.16580	65
2	49.00	37.15	45.28	0.375	Slip	0.16580	65
3	49.00	30.44	38.57	0.313	Slip	0.16580	65
4	45.50	24.00	31.54	0.219	Slip	0.16580	65

Discrete Appurtenances

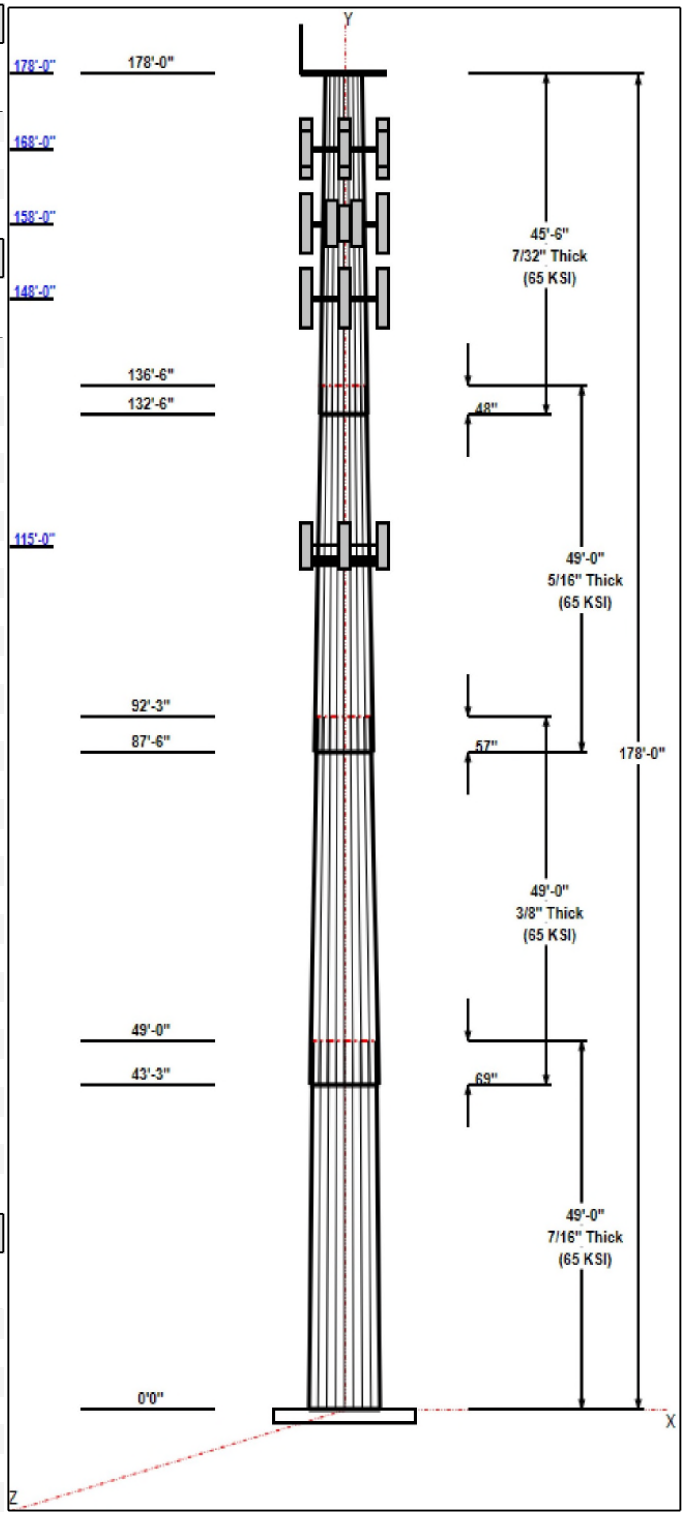
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
178.00	178.00	1	Platform w/ Hand Rail	Nextel
178.00	181.06	1	DB220	Nextel
168.00	168.00	3	KRD 9011461-B66A-B2A	T-Mobile Sprint
168.00	168.00	3	APXVAARR24_43-U-NA20	T-Mobile Sprint
168.00	168.00	3	AIR6449 B41	T-Mobile Sprint
168.00	168.00	4	ACU-A20-N	T-Mobile Sprint
168.00	168.00	3	RRUS 4415 B25	T-Mobile Sprint
168.00	168.00	3	800MHz RRH w/ filter	T-Mobile Sprint
168.00	168.00	3	4449 B71 + B85	T-Mobile Sprint
168.00	168.00	3	ALU 800MHz External	T-Mobile Sprint
168.00	168.00	1	Platform w/ Hand Rail	T-Mobile Sprint
158.00	158.00	3	7770.00	AT&T
158.00	158.00	2	SBNH-1D65C	AT&T
158.00	158.00	4	AM-X-CD-16-65-00T-RET	AT&T
158.00	158.00	6	DTMABP7819VG12A	AT&T
158.00	158.00	6	RRUS 11	AT&T
158.00	158.00	1	DC6-48-60-18-8F	AT&T
158.00	158.00	1	Low Profile	AT&T
148.00	148.00	1	Low Profile	Verizon
148.00	148.00	3	MT6407-77A	Verizon
148.00	148.00	3	NNH4-65C-R6	Verizon
148.00	148.00	3	Samsung	Verizon
148.00	148.00	3	Samsung B5/B13 RRH	Verizon
148.00	147.00	2	RFS DB-C1-12C-24AB-0Z	Verizon
148.00	148.00	1	Support Rail	Verizon
115.00	115.00	3	MX08FRO665-21	Dish Wireless
115.00	115.00	3	Fujitsu TA08025-B604	Dish Wireless
115.00	115.00	3	Fujitsu TA08025-B605	Dish Wireless
115.00	115.00	1	Raycap	Dish Wireless
115.00	115.00	1	MC-PK8-DSH	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	178.00	Inside	7/8" Coax	Nextel
0.00	168.00	Inside	2" Hybrid	T-Mobile Sprint
0.00	158.00	Inside	1 5/8" Coax	AT&T
0.00	148.00	Inside	1 5/8" Coax	Verizon
0.00	148.00	Inside	6x12 Hybrid	Verizon
0.00	115.00	Inside	1.6" Hybrid	Dish Wireless
0.00	103.00	Outside	1.25" Reinforcing plate	

Anchor Bolts

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



Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	57.0	50.0	Clipped

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 97 mph Wind	4902.4	37.4	54.2
0.9D + 1.6W 97 mph Wind	4810.8	37.3	40.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1482.6	11.0	83.8
1.2D + 1.0E	324.5	2.3	54.3
0.9D + 1.0E	317.9	2.3	40.7
1.0D + 1.0W 60 mph Wind	1162.2	8.9	45.2

Structure: CT46127-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Oxford-south
Height: 178.00 (ft)

12/22/2021

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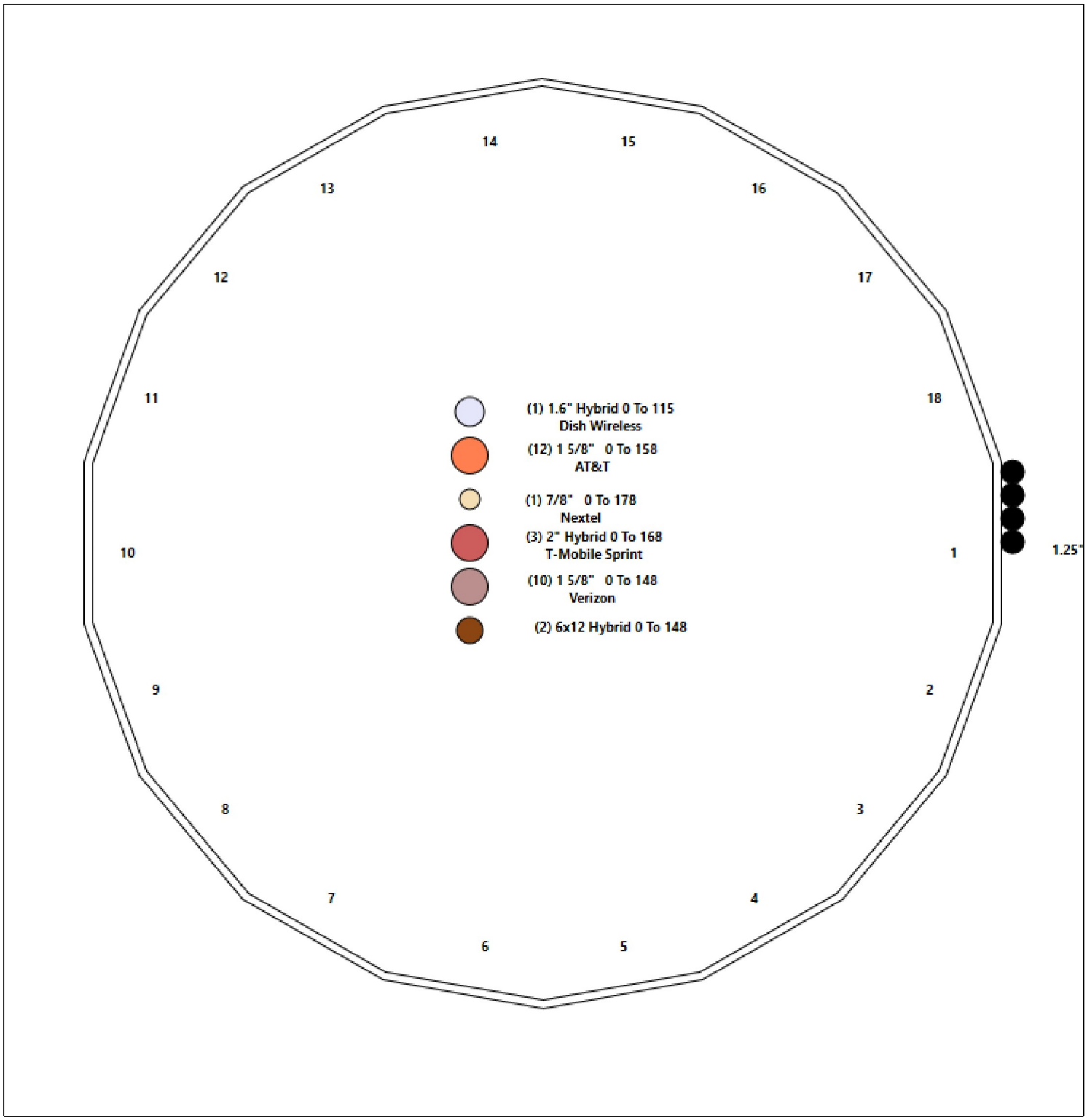

Shaft Properties

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	49.000	0.4375	65		0.00	10,928
2	18	49.000	0.3750	65	Slip	69.00	8,105
3	18	49.000	0.3125	65	Slip	57.00	5,655
4	18	45.500	0.2188	65	Slip	48.00	2,962
					Total Shaft Weight:		**27,650**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	51.70	0.00	71.18	23633.16	19.43	118.17	43.58	49.00	59.90	14083.4	16.15	99.60	0.165801
2	45.28	43.25	53.45	13615.50	19.88	120.74	37.15	92.25	43.78	7481.79	16.06	99.08	0.165801
3	38.57	87.50	37.94	7015.45	20.35	123.42	30.44	136.50	29.88	3427.83	15.77	97.42	0.165801
4	31.54	132.5	21.75	2696.94	24.01	144.17	24.00	178.00	16.51	1180.03	17.93	109.6	0.165801

Load Summary

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	178.00	Platform w/ Hand Rail (round)	1	1600.00	40.00	1.00	3736.09	75.507	1.00	0.00	0.00
2	178.00	DB220	1	13.00	1.37	1.00	57.40	5.158	1.00	0.00	3.06
3	168.00	KRD 9011461-B66A-B2A	3	132.20	6.51	0.87	317.92	7.645	0.87	0.00	0.00
4	168.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	551.31	22.163	0.70	0.00	0.00
5	168.00	AIR6449 B41	3	103.00	5.65	0.71	241.68	6.611	0.71	0.00	0.00
6	168.00	ACU-A20-N	4	1.00	0.14	0.50	5.34	0.440	0.50	0.00	0.00
7	168.00	RRUS 4415 B25	3	46.00	1.64	0.50	87.57	2.161	0.50	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	68.30	3.46	0.50	159.78	4.789	0.50	0.00	0.00
9	168.00	4449 B71 + B85	3	73.20	1.97	0.50	131.60	2.546	0.50	0.00	0.00
10	168.00	ALU 800MHz External Notch Filt	3	8.80	0.78	0.50	26.64	1.434	0.50	0.00	0.00
11	168.00	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	3723.78	60.242	1.00	0.00	0.00
12	158.00	7770.00	3	35.00	5.50	0.73	171.04	6.571	0.73	0.00	0.00
13	158.00	SBNH-1D65C	2	49.60	11.46	0.85	315.16	13.134	0.85	0.00	0.00
14	158.00	AM-X-CD-16-65-00T-RET	4	48.50	8.02	0.75	211.62	10.828	0.75	0.00	0.00
15	158.00	DTMABP7819VG12A	6	19.20	1.14	0.50	44.85	1.914	0.50	0.00	0.00
16	158.00	RRUS 11	6	50.70	2.52	0.50	140.46	3.175	0.50	0.00	0.00
17	158.00	DC6-48-60-18-8F	1	31.80	0.92	0.50	93.95	1.360	0.50	0.00	0.00
18	158.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2815.73	39.754	1.00	0.00	0.00
19	148.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2807.16	39.638	1.00	0.00	0.00
20	148.00	MT6407-77A	3	79.40	4.69	0.70	198.75	5.636	0.70	0.00	0.00
21	148.00	NNH4-65C-R6	3	102.10	17.07	0.74	466.47	18.865	0.74	0.00	0.00
22	148.00	Samsung B2/B66A-RRH-B409	3	70.30	1.88	0.67	118.87	2.430	0.67	0.00	0.00
23	148.00	Samsung B5/B13 RRH BR04C	3	84.40	1.88	0.67	135.59	2.430	0.67	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	2	32.00	4.06	0.90	145.77	4.881	0.90	0.00	-1.00
25	148.00	Support Rail	1	406.61	9.75	1.00	888.51	19.266	1.00	0.00	0.00
26	115.00	MX08FRO665-21	3	64.50	12.49	0.74	347.74	13.916	0.74	0.00	0.00
27	115.00	Fujitsu TA08025-B604	3	63.90	1.96	0.67	113.20	2.506	0.67	0.00	0.00
28	115.00	Fujitsu TA08025-B605	3	75.00	1.96	0.67	125.93	2.506	0.67	0.00	0.00
29	115.00	Raycap RDIDC-9181-PF-48	1	21.90	2.01	1.00	73.75	2.563	1.00	0.00	0.00
30	115.00	MC-PK8-DSH	1	1727.00	37.59	1.00	3370.58	83.585	1.00	0.00	0.00
		Totals:	**78**	**12,583.21**			**30,050.89**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	178.00	(1) 7/8" Coax	0.00	Inside
0.00	168.00	(3) 2" Hybrid	0.00	Inside
0.00	158.00	(12) 1 5/8" Coax	0.00	Inside
0.00	148.00	(10) 1 5/8" Coax	0.00	Inside
0.00	148.00	(2) 6x12 Hybrid	0.00	Inside
0.00	115.00	(1) 1.6" Hybrid	0.00	Inside
0.00	103.00	(4) 1.25" Reinforcing plate	1.50	Outside

Shaft Section Properties

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	51.700	71.182	23633.2	19.43	118.17	78.6	900.4	0.0
5.00		0.4375	50.871	70.031	22505.0	19.09	116.28	78.9	871.3	1201.3
10.00		0.4375	50.042	68.880	21413.4	18.76	114.38	79.3	842.8	1181.7
15.00		0.4375	49.213	67.728	20357.6	18.42	112.49	79.7	814.8	1162.1
20.00		0.4375	48.384	66.577	19337.2	18.09	110.59	80.1	787.2	1142.5
25.00		0.4375	47.555	65.426	18351.4	17.76	108.70	80.5	760.1	1122.9
30.00		0.4375	46.726	64.275	17399.7	17.42	106.80	80.9	733.4	1103.4
35.00		0.4375	45.897	63.124	16481.4	17.09	104.91	81.3	707.3	1083.8
40.00		0.4375	45.068	61.973	15596.1	16.75	103.01	81.7	681.6	1064.2
43.25	Bot - Section 2	0.4375	44.529	61.224	15038.0	16.54	101.78	82.0	665.2	681.2
45.00		0.4375	44.239	60.822	14743.1	16.42	101.12	82.1	656.4	680.6
49.00	Top - Section 1	0.3750	44.326	52.310	12766.6	19.43	118.20	0.0	0.0	1539.0
50.00		0.3750	44.160	52.113	12622.6	19.35	117.76	78.6	563.0	177.7
55.00		0.3750	43.331	51.126	11919.1	18.96	115.55	79.1	541.8	878.3
60.00		0.3750	42.502	50.140	11242.3	18.57	113.34	79.6	521.0	861.5
65.00		0.3750	41.673	49.153	10591.6	18.18	111.13	80.0	500.6	844.7
70.00		0.3750	40.844	48.166	9966.5	17.79	108.92	80.5	480.6	827.9
75.00		0.3750	40.015	47.180	9366.4	17.40	106.71	80.9	461.0	811.1
80.00		0.3750	39.186	46.193	8791.0	17.01	104.50	81.4	441.9	794.3
85.00		0.3750	38.357	45.206	8239.6	16.63	102.29	81.8	423.1	777.5
87.50	Bot - Section 3	0.3750	37.942	44.713	7972.8	16.43	101.18	82.1	413.9	382.5
90.00		0.3750	37.528	44.220	7711.8	16.24	100.07	82.3	404.7	699.3
92.25	Top - Section 2	0.3125	37.780	37.162	6591.0	19.91	120.90	0.0	0.0	622.8
95.00		0.3125	37.324	36.709	6353.3	19.65	119.44	78.3	335.3	345.6
100.00		0.3125	36.495	35.887	5935.9	19.18	116.78	78.8	320.4	617.6
105.00		0.3125	35.666	35.065	5537.2	18.71	114.13	79.4	305.8	603.6
110.00		0.3125	34.837	34.243	5156.7	18.25	111.48	79.9	291.6	589.6
115.00		0.3125	34.008	33.420	4794.1	17.78	108.83	80.5	277.7	575.6
120.00		0.3125	33.179	32.598	4448.9	17.31	106.17	81.0	264.1	561.6
125.00		0.3125	32.350	31.776	4120.6	16.84	103.52	81.6	250.9	547.6
130.00		0.3125	31.521	30.954	3809.0	16.37	100.87	82.1	238.0	533.6
132.50	Bot - Section 4	0.3125	31.106	30.543	3659.2	16.14	99.54	82.4	231.7	261.6
135.00		0.3125	30.692	30.131	3513.4	15.91	98.21	82.5	225.5	441.9
136.50	Top - Section 3	0.2188	30.881	21.293	2529.2	23.48	141.14	0.0	0.0	262.3
140.00		0.2188	30.300	20.890	2388.3	23.01	138.48	74.3	155.2	251.2
145.00		0.2188	29.471	20.314	2196.3	22.34	134.70	75.1	146.8	350.5
148.00		0.2188	28.974	19.969	2086.1	21.94	132.42	75.6	141.8	205.6
150.00		0.2188	28.642	19.739	2014.8	21.67	130.91	75.9	138.5	135.1
155.00		0.2188	27.813	19.163	1843.6	21.00	127.12	76.7	130.6	330.9
158.00		0.2188	27.316	18.818	1745.7	20.60	124.84	77.2	125.9	193.9
160.00		0.2188	26.984	18.587	1682.4	20.34	123.33	77.5	122.8	127.3
165.00		0.2188	26.155	18.012	1530.8	19.67	119.54	78.3	115.3	311.3
168.00		0.2188	25.658	17.666	1444.5	19.27	117.27	78.7	110.9	182.1
170.00		0.2188	25.326	17.436	1388.7	19.00	115.75	79.1	108.0	119.4
175.00		0.2188	24.497	16.860	1255.6	18.33	111.96	79.8	101.0	291.8
178.00		0.2188	24.000	16.515	1180.0	17.93	109.69	80.3	96.8	170.4
										27650.3

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	19.450	21.40	391.24	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	384.96	0.650	0.000	5.00	21.699	14.10	482.8	0.0	1441.5
10.00		1.00	0.85	19.450	21.40	378.69	0.650	0.000	5.00	21.348	13.88	475.0	0.0	1418.0
15.00		1.00	0.85	19.450	21.40	372.42	0.650	0.000	5.00	20.997	13.65	467.2	0.0	1394.5
20.00		1.00	0.90	20.638	22.70	377.15	0.650	0.000	5.00	20.646	13.42	487.4	0.0	1371.0
25.00		1.00	0.95	21.630	23.79	379.50	0.650	0.000	5.00	20.296	13.19	502.2	0.0	1347.5
30.00		1.00	0.98	22.477	24.72	380.11	0.650	0.000	5.00	19.945	12.96	512.8	0.0	1324.0
35.00		1.00	1.01	23.218	25.54	379.47	0.650	0.000	5.00	19.594	12.74	520.4	0.0	1300.5
40.00		1.00	1.04	23.880	26.27	377.89	0.650	0.000	5.00	19.243	12.51	525.7	0.0	1277.0
43.25	Bot - Section 2	1.00	1.06	24.276	26.70	376.46	0.650	0.000	3.25	12.320	8.01	342.1	0.0	817.5
45.00		1.00	1.07	24.479	26.93	375.57	0.650	0.000	1.75	6.684	4.34	187.2	0.0	816.7
49.00	Top - Section 1	1.00	1.09	24.922	27.41	373.27	0.650	0.000	4.00	15.115	9.83	431.0	0.0	1846.7
50.00		1.00	1.09	25.029	27.53	379.08	0.650	0.000	1.00	3.744	2.43	107.2	0.0	213.2
55.00		1.00	1.12	25.536	28.09	375.71	0.650	0.000	5.00	18.508	12.03	540.7	0.0	1053.9
60.00		1.00	1.14	26.008	28.61	371.92	0.650	0.000	5.00	18.158	11.80	540.2	0.0	1033.8
65.00		1.00	1.16	26.450	29.09	367.75	0.650	0.000	5.00	17.807	11.57	538.8	0.0	1013.6
70.00		1.00	1.17	26.866	29.55	363.26	0.650	0.000	5.00	17.456	11.35	536.5	0.0	993.5
75.00		1.00	1.19	27.259	29.98	358.48	0.650	0.000	5.00	17.105	11.12	533.4	0.0	973.3
80.00		1.00	1.21	27.632	30.39	353.44	0.650	0.000	5.00	16.755	10.89	529.6	0.0	953.2
85.00		1.00	1.22	27.987	30.79	348.18	0.650	0.000	5.00	16.404	10.66	525.2	0.0	933.0
87.50	Bot - Section 3	1.00	1.23	28.158	30.97	345.47	0.650	0.000	2.50	8.070	5.25	260.0	0.0	459.0
90.00		1.00	1.24	28.325	31.16	342.71	0.650	0.000	2.50	8.115	5.27	263.0	0.0	839.2
92.25	Top - Section 2	1.00	1.24	28.473	31.32	340.19	0.650	0.000	2.25	7.229	4.70	235.5	0.0	747.4
95.00		1.00	1.25	28.650	31.51	342.79	0.650	0.000	2.75	8.738	5.68	286.4	0.0	414.8
100.00		1.00	1.27	28.961	31.86	336.99	0.650	0.000	5.00	15.616	10.15	517.4	0.0	741.1
105.00		1.00	1.28	29.260	32.19	331.03	0.650	0.000	5.00	15.265	9.92	511.0	0.0	724.3
110.00		1.00	1.29	29.548	32.50	324.93	0.650	0.000	5.00	14.915	9.69	504.2	0.0	707.5
115.00	Appurtenance(s)	1.00	1.30	29.826	32.81	318.68	0.650	0.000	5.00	14.564	9.47	496.9	0.0	690.7
120.00		1.00	1.32	30.094	33.10	312.31	0.650	0.000	5.00	14.213	9.24	489.3	0.0	673.9
125.00		1.00	1.33	30.354	33.39	305.82	0.650	0.000	5.00	13.862	9.01	481.4	0.0	657.2
130.00		1.00	1.34	30.605	33.67	299.21	0.650	0.000	5.00	13.512	8.78	473.1	0.0	640.4
132.50	Bot - Section 4	1.00	1.34	30.728	33.80	295.87	0.650	0.000	2.50	6.624	4.31	232.9	0.0	313.9
135.00		1.00	1.35	30.850	33.93	292.50	0.650	0.000	2.50	6.629	4.31	234.0	0.0	530.3
136.50	Top - Section 3	1.00	1.35	30.921	34.01	290.47	0.650	0.000	1.50	3.935	2.56	139.2	0.0	314.7
140.00		1.00	1.36	31.087	34.20	289.88	0.650	0.000	3.50	9.060	5.89	322.2	0.0	301.4
145.00		1.00	1.37	31.317	34.45	282.99	0.650	0.000	5.00	12.645	8.22	453.0	0.0	420.6
148.00	Appurtenance(s)	1.00	1.37	31.452	34.60	278.82	0.650	0.000	3.00	7.418	4.82	266.9	0.0	246.7
150.00		1.00	1.38	31.541	34.70	276.02	0.650	0.000	2.00	4.875	3.17	175.9	0.0	162.1
155.00		1.00	1.39	31.760	34.94	268.96	0.650	0.000	5.00	11.943	7.76	433.9	0.0	397.1
158.00	Appurtenance(s)	1.00	1.39	31.888	35.08	264.68	0.650	0.000	3.00	6.997	4.55	255.3	0.0	232.6
160.00		1.00	1.40	31.973	35.17	261.81	0.650	0.000	2.00	4.595	2.99	168.1	0.0	152.7
165.00		1.00	1.41	32.181	35.40	254.59	0.650	0.000	5.00	11.242	7.31	413.9	0.0	373.6
168.00	Appurtenance(s)	1.00	1.41	32.303	35.53	250.22	0.650	0.000	3.00	6.577	4.27	243.0	0.0	218.5
170.00		1.00	1.42	32.384	35.62	247.30	0.650	0.000	2.00	4.314	2.80	159.8	0.0	143.3
175.00		1.00	1.42	32.582	35.84	239.93	0.650	0.000	5.00	10.540	6.85	392.9	0.0	350.1
178.00	Appurtenance(s)	1.00	1.43	32.699	35.97	235.48	0.650	0.000	3.00	6.156	4.00	230.3	0.0	204.4

Wind Loading - Shaft

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 9

Totals:	**178.00**	**17,424.9**	**33,180.4**

Discrete Appurtenance Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	32.699	35.969	1.00	1.00	40.00	1920.00	0.000	0.000	2301.99	0.00	0.00
2	178.00	DB220	1	32.816	36.098	1.00	1.00	1.37	15.60	0.000	3.063	79.13	0.00	242.33
3	168.00	RRUS 4415 B25	3	32.303	35.533	0.38	0.75	1.84	165.60	0.000	0.000	104.89	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	32.303	35.533	0.65	0.75	12.74	475.92	0.000	0.000	724.50	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	32.303	35.533	0.52	0.75	31.88	460.80	0.000	0.000	1812.37	0.00	0.00
6	168.00	AIR6449 B41	3	32.303	35.533	0.53	0.75	9.03	370.80	0.000	0.000	513.15	0.00	0.00
7	168.00	ACU-A20-N	4	32.303	35.533	0.38	0.75	0.21	4.80	0.000	0.000	11.94	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	32.303	35.533	0.38	0.75	3.89	245.88	0.000	0.000	221.30	0.00	0.00
9	168.00	4449 B71 + B85	3	32.303	35.533	0.38	0.75	2.22	263.52	0.000	0.000	126.00	0.00	0.00
10	168.00	ALU 800MHz External	3	32.303	35.533	0.38	0.75	0.88	31.68	0.000	0.000	49.89	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	32.303	35.533	1.00	1.00	32.00	1920.00	0.000	0.000	1819.31	0.00	0.00
12	158.00	Low Profile	1	31.888	35.077	1.00	1.00	22.00	1800.00	0.000	0.000	1234.72	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	31.888	35.077	0.40	0.80	0.37	38.16	0.000	0.000	20.65	0.00	0.00
14	158.00	RRUS 11	6	31.888	35.077	0.40	0.80	6.05	365.04	0.000	0.000	339.44	0.00	0.00
15	158.00	DTMABP7819VG12A	6	31.888	35.077	0.40	0.80	2.74	138.24	0.000	0.000	153.55	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	31.888	35.077	0.60	0.80	19.25	232.80	0.000	0.000	1080.27	0.00	0.00
17	158.00	7770.00	3	31.888	35.077	0.58	0.80	9.64	126.00	0.000	0.000	540.81	0.00	0.00
18	158.00	SBNH-1D65C	2	31.888	35.077	0.68	0.80	15.59	119.04	0.000	0.000	874.72	0.00	0.00
19	148.00	Samsung	3	31.452	34.598	0.50	0.75	2.83	253.08	0.000	0.000	156.89	0.00	0.00
20	148.00	Low Profile	1	31.452	34.598	1.00	1.00	22.00	1800.00	0.000	0.000	1217.84	0.00	0.00
21	148.00	MT6407-77A	3	31.452	34.598	0.52	0.75	7.39	285.84	0.000	0.000	408.90	0.00	0.00
22	148.00	NNH4-65C-R6	3	31.452	34.598	0.55	0.75	28.42	367.56	0.000	0.000	1573.31	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	31.452	34.598	0.50	0.75	2.83	303.84	0.000	0.000	156.89	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	2	31.408	34.548	0.68	0.75	5.48	76.80	0.000	-1.000	302.98	0.00	-302.98
25	148.00	Support Rail	1	31.452	34.598	1.00	1.00	9.75	487.93	0.000	0.000	539.72	0.00	0.00
26	115.00	Fujitsu TA08025-B605	3	29.826	32.808	0.50	0.75	2.95	270.00	0.000	0.000	155.10	0.00	0.00
27	115.00	Fujitsu TA08025-B604	3	29.826	32.808	0.50	0.75	2.95	230.04	0.000	0.000	155.10	0.00	0.00
28	115.00	MX08FRO665-21	3	29.826	32.808	0.55	0.75	20.80	232.20	0.000	0.000	1091.64	0.00	0.00
29	115.00	MC-PK8-DSH	1	29.826	32.808	1.00	1.00	37.59	2072.40	0.000	0.000	1973.21	0.00	0.00
30	115.00	Raycap	1	29.826	32.808	0.75	0.75	1.51	26.28	0.000	0.000	79.13	0.00	0.00
							Totals:		**15,099.85**			**19,819.33**		

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		482.82	1636.69	0.00	0.00
10.00		475.01	1613.19	0.00	0.00
15.00		467.21	1589.68	0.00	0.00
20.00		487.45	1566.18	0.00	0.00
25.00		502.21	1542.68	0.00	0.00
30.00		512.85	1519.18	0.00	0.00
35.00		520.45	1495.67	0.00	0.00
40.00		525.70	1472.17	0.00	0.00
43.25		342.15	944.31	0.00	0.00
45.00		187.17	885.04	0.00	0.00
49.00		430.96	2002.86	0.00	0.00
50.00		107.19	252.23	0.00	0.00
55.00		540.69	1249.05	0.00	0.00
60.00		540.25	1228.90	0.00	0.00
65.00		538.81	1208.76	0.00	0.00
70.00		536.51	1188.61	0.00	0.00
75.00		533.42	1168.47	0.00	0.00
80.00		529.63	1148.32	0.00	0.00
85.00		525.20	1128.18	0.00	0.00
87.50		259.97	556.54	0.00	0.00
90.00		262.96	936.73	0.00	0.00
92.25		235.46	835.16	0.00	0.00
95.00		286.40	522.08	0.00	0.00
100.00		517.38	936.23	0.00	0.00
105.00		510.98	919.45	0.00	0.00
110.00		504.15	902.66	0.00	0.00
115.00	(11) attachments	3951.11	3716.79	0.00	0.00
120.00		489.32	862.84	0.00	0.00
125.00		481.37	846.06	0.00	0.00
130.00		473.08	829.27	0.00	0.00
132.50		232.87	408.34	0.00	0.00
135.00		233.96	624.74	0.00	0.00
136.50		139.21	371.42	0.00	0.00
140.00		322.20	433.67	0.00	0.00
145.00		453.01	609.53	0.00	0.00
148.00	(16) attachments	4623.45	3935.13	0.00	-302.98
150.00		175.92	204.93	0.00	0.00
155.00		433.93	504.10	0.00	0.00
158.00	(23) attachments	4499.42	3116.10	0.00	0.00
160.00		168.07	165.58	0.00	0.00
165.00		413.86	405.71	0.00	0.00
168.00	(26) attachments	5626.39	4176.79	0.00	0.00
170.00		159.83	144.58	0.00	0.00
175.00		392.87	353.23	0.00	0.00
178.00	(2) attachments	2611.38	2141.89	0.00	242.33

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 12

Tower Engineering Solutions

Totals:	**37,244.22**	**54,299.72**	**0.00**	**-60.65**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	19.450	0.00	0.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	19.450	0.00	0.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	19.450	0.00	0.00
20.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	20.638	0.00	0.00
25.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	21.630	0.00	0.00
30.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	22.477	0.00	0.00
35.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	23.218	0.00	0.00
40.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	23.880	0.00	0.00
43.25	1.25" Reinforcing	Yes	3.25	0.000	1.50	0.41	0.00	0.033	0.000	24.276	0.00	0.00
45.00	1.25" Reinforcing	Yes	1.75	0.000	1.50	0.22	0.00	0.033	0.000	24.479	0.00	0.00
49.00	1.25" Reinforcing	Yes	4.00	0.000	1.50	0.50	0.00	0.034	0.000	24.922	0.00	0.00
50.00	1.25" Reinforcing	Yes	1.00	0.000	1.50	0.13	0.00	0.033	0.000	25.029	0.00	0.00
55.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	25.536	0.00	0.00
60.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	26.008	0.00	0.00
65.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.035	0.000	26.450	0.00	0.00
70.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.036	0.000	26.866	0.00	0.00
75.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	27.259	0.00	0.00
80.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	27.632	0.00	0.00
85.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.038	0.000	27.987	0.00	0.00
87.50	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	28.158	0.00	0.00
90.00	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	28.325	0.00	0.00
92.25	1.25" Reinforcing	Yes	2.25	0.000	1.50	0.28	0.00	0.040	0.000	28.473	0.00	0.00
95.00	1.25" Reinforcing	Yes	2.75	0.000	1.50	0.34	0.00	0.039	0.000	28.650	0.00	0.00
100.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.040	0.000	28.961	0.00	0.00
105.00	1.25" Reinforcing	Yes	3.00	0.000	1.50	0.38	0.00	0.025	0.000	29.260	0.00	0.00
									Totals:		**0.0**	**0.0**

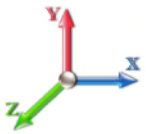
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-54.20	-37.38	0.00	-4902.3	0.00	4902.38	5032.32	2516.16	10592.9	5304.33	0.00	0.000	0.000	0.935
5.00	-52.38	-37.16	0.00	-4715.4	0.00	4715.47	4975.71	2487.85	10302.9	5159.13	0.15	-0.289	0.000	0.925
10.00	-50.58	-36.93	0.00	-4529.6	0.00	4529.66	4918.28	2459.14	10015.1	5015.04	0.61	-0.582	0.000	0.914
15.00	-48.81	-36.70	0.00	-4344.9	0.00	4344.99	4860.04	2430.02	9729.75	4872.10	1.38	-0.876	0.000	0.902
20.00	-47.06	-36.43	0.00	-4161.5	0.00	4161.50	4800.98	2400.49	9446.70	4730.37	2.46	-1.174	0.000	0.890
25.00	-45.34	-36.13	0.00	-3979.3	0.00	3979.35	4741.11	2370.56	9166.14	4589.88	3.85	-1.473	0.000	0.877
30.00	-43.65	-35.81	0.00	-3798.7	0.00	3798.71	4680.43	2340.21	8888.14	4450.68	5.55	-1.775	0.000	0.863
35.00	-41.99	-35.46	0.00	-3619.6	0.00	3619.68	4618.93	2309.46	8612.79	4312.80	7.57	-2.078	0.000	0.849
40.00	-40.38	-35.05	0.00	-3442.3	0.00	3442.39	4556.62	2278.31	8340.18	4176.29	9.91	-2.383	0.000	0.833
43.25	-39.36	-34.78	0.00	-3328.4	0.00	3328.47	4515.67	2257.84	8164.48	4088.31	11.60	-2.583	0.000	0.823
45.00	-38.38	-34.67	0.00	-3267.6	0.00	3267.61	4493.49	2246.74	8070.38	4041.19	12.57	-2.692	0.000	0.817
49.00	-36.31	-34.24	0.00	-3128.9	0.00	3128.94	3697.88	1848.94	6673.72	3341.82	14.93	-2.939	0.000	0.946
50.00	-35.94	-34.25	0.00	-3094.7	0.00	3094.70	3688.23	1844.12	6630.98	3320.42	15.55	-3.002	0.000	0.942
55.00	-34.52	-33.84	0.00	-2923.4	0.00	2923.48	3639.50	1819.75	6418.42	3213.98	18.87	-3.341	0.000	0.919
60.00	-33.13	-33.42	0.00	-2754.2	0.00	2754.27	3589.95	1794.97	6207.79	3108.51	22.55	-3.680	0.000	0.896
65.00	-31.77	-32.99	0.00	-2587.1	0.00	2587.16	3539.58	1769.79	5999.19	3004.06	26.59	-4.018	0.000	0.871
70.00	-30.43	-32.55	0.00	-2422.2	0.00	2422.21	3488.40	1744.20	5792.70	2900.65	30.97	-4.354	0.000	0.844
75.00	-29.12	-32.09	0.00	-2259.4	0.00	2259.47	3436.41	1718.21	5588.39	2798.35	35.70	-4.689	0.000	0.816
80.00	-27.84	-31.63	0.00	-2099.0	0.00	2099.00	3383.61	1691.80	5386.36	2697.18	40.79	-5.019	0.000	0.787
85.00	-26.63	-31.12	0.00	-1940.8	0.00	1940.85	3329.98	1664.99	5186.69	2597.20	46.21	-5.346	0.000	0.756
87.50	-26.02	-30.88	0.00	-1863.0	0.00	1863.06	3302.87	1651.43	5087.76	2547.66	49.05	-5.511	0.000	0.740
90.00	-25.03	-30.60	0.00	-1785.8	0.00	1785.86	3275.55	1637.77	4989.46	2498.44	51.98	-5.673	0.000	0.723
92.25	-24.14	-30.35	0.00	-1717.0	0.00	1717.02	2608.31	1304.15	4013.68	2009.82	54.68	-5.819	0.000	0.864
95.00	-23.51	-30.12	0.00	-1633.5	0.00	1633.57	2586.56	1293.28	3931.38	1968.61	58.08	-5.994	0.000	0.839
100.00	-22.45	-29.64	0.00	-1483.0	0.00	1483.00	2546.40	1273.20	3782.92	1894.27	64.53	-6.343	0.000	0.792
105.00	-21.43	-29.15	0.00	-1334.8	0.00	1334.82	2505.42	1252.71	3636.03	1820.72	71.34	-6.680	0.000	0.742
110.00	-20.44	-28.65	0.00	-1189.0	0.00	1189.08	2463.62	1231.81	3490.80	1747.99	78.50	-7.005	0.000	0.689
115.00	-17.11	-24.36	0.00	-1045.8	0.00	1045.82	2421.01	1210.51	3347.31	1676.14	85.98	-7.313	0.000	0.631
120.00	-16.20	-23.84	0.00	-924.03	0.00	924.03	2377.59	1188.79	3205.66	1605.21	93.78	-7.605	0.000	0.583
125.00	-15.32	-23.32	0.00	-804.82	0.00	804.82	2333.35	1166.68	3065.91	1535.23	101.87	-7.882	0.000	0.531
130.00	-14.49	-22.79	0.00	-688.20	0.00	688.20	2288.30	1144.15	2928.16	1466.26	110.23	-8.139	0.000	0.476
132.50	-14.07	-22.53	0.00	-631.23	0.00	631.23	2265.47	1132.73	2860.06	1432.16	114.51	-8.262	0.000	0.447
135.00	-13.45	-22.23	0.00	-574.92	0.00	574.92	2238.61	1119.31	2787.73	1395.94	118.86	-8.380	0.000	0.418
136.50	-13.07	-22.06	0.00	-541.57	0.00	541.57	1414.08	707.04	1782.89	892.77	121.49	-8.447	0.000	0.617
140.00	-12.61	-21.72	0.00	-464.36	0.00	464.36	1397.66	698.83	1728.59	865.58	127.72	-8.594	0.000	0.546
145.00	-12.01	-21.22	0.00	-355.76	0.00	355.76	1373.51	686.75	1651.57	827.01	136.82	-8.838	0.000	0.440
148.00	-8.81	-16.06	0.00	-292.10	0.00	292.10	1358.62	679.31	1605.69	804.04	142.39	-8.964	0.000	0.370
150.00	-8.60	-15.87	0.00	-259.99	0.00	259.99	1348.54	674.27	1575.26	788.80	146.15	-9.039	0.000	0.337
155.00	-8.14	-15.38	0.00	-180.64	0.00	180.64	1322.76	661.38	1499.73	750.98	155.67	-9.195	0.000	0.247
158.00	-5.78	-10.44	0.00	-134.51	0.00	134.51	1306.90	653.45	1454.83	728.50	161.44	-9.267	0.000	0.189
160.00	-5.63	-10.26	0.00	-113.62	0.00	113.62	1296.17	648.08	1425.08	713.60	165.32	-9.308	0.000	0.164
165.00	-5.29	-9.79	0.00	-62.35	0.00	62.35	1268.76	634.38	1351.39	676.70	175.07	-9.382	0.000	0.097
168.00	-2.09	-3.55	0.00	-32.99	0.00	32.99	1251.92	625.96	1307.68	654.81	180.95	-9.409	0.000	0.052
170.00	-1.97	-3.37	0.00	-25.89	0.00	25.89	1240.54	620.27	1278.75	640.32	184.87	-9.420	0.000	0.042
175.00	-1.68	-2.93	0.00	-9.02	0.00	9.02	1211.50	605.75	1207.23	604.51	194.70	-9.438	0.000	0.016
178.00	0.00	-2.61	0.00	-0.24	0.00	0.24	1193.69	596.84	1164.89	583.31	200.61	-9.442	0.000	0.000

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	19.450	21.40	391.24	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	384.96	0.650	0.000	5.00	21.699	14.10	482.8	0.0	1081.2
10.00		1.00	0.85	19.450	21.40	378.69	0.650	0.000	5.00	21.348	13.88	475.0	0.0	1063.5
15.00		1.00	0.85	19.450	21.40	372.42	0.650	0.000	5.00	20.997	13.65	467.2	0.0	1045.9
20.00		1.00	0.90	20.638	22.70	377.15	0.650	0.000	5.00	20.646	13.42	487.4	0.0	1028.3
25.00		1.00	0.95	21.630	23.79	379.50	0.650	0.000	5.00	20.296	13.19	502.2	0.0	1010.7
30.00		1.00	0.98	22.477	24.72	380.11	0.650	0.000	5.00	19.945	12.96	512.8	0.0	993.0
35.00		1.00	1.01	23.218	25.54	379.47	0.650	0.000	5.00	19.594	12.74	520.4	0.0	975.4
40.00		1.00	1.04	23.880	26.27	377.89	0.650	0.000	5.00	19.243	12.51	525.7	0.0	957.8
43.25	Bot - Section 2	1.00	1.06	24.276	26.70	376.46	0.650	0.000	3.25	12.320	8.01	342.1	0.0	613.1
45.00		1.00	1.07	24.479	26.93	375.57	0.650	0.000	1.75	6.684	4.34	187.2	0.0	612.6
49.00	Top - Section 1	1.00	1.09	24.922	27.41	373.27	0.650	0.000	4.00	15.115	9.83	431.0	0.0	1385.1
50.00		1.00	1.09	25.029	27.53	379.08	0.650	0.000	1.00	3.744	2.43	107.2	0.0	159.9
55.00		1.00	1.12	25.536	28.09	375.71	0.650	0.000	5.00	18.508	12.03	540.7	0.0	790.4
60.00		1.00	1.14	26.008	28.61	371.92	0.650	0.000	5.00	18.158	11.80	540.2	0.0	775.3
65.00		1.00	1.16	26.450	29.09	367.75	0.650	0.000	5.00	17.807	11.57	538.8	0.0	760.2
70.00		1.00	1.17	26.866	29.55	363.26	0.650	0.000	5.00	17.456	11.35	536.5	0.0	745.1
75.00		1.00	1.19	27.259	29.98	358.48	0.650	0.000	5.00	17.105	11.12	533.4	0.0	730.0
80.00		1.00	1.21	27.632	30.39	353.44	0.650	0.000	5.00	16.755	10.89	529.6	0.0	714.9
85.00		1.00	1.22	27.987	30.79	348.18	0.650	0.000	5.00	16.404	10.66	525.2	0.0	699.8
87.50	Bot - Section 3	1.00	1.23	28.158	30.97	345.47	0.650	0.000	2.50	8.070	5.25	260.0	0.0	344.2
90.00		1.00	1.24	28.325	31.16	342.71	0.650	0.000	2.50	8.115	5.27	263.0	0.0	629.4
92.25	Top - Section 2	1.00	1.24	28.473	31.32	340.19	0.650	0.000	2.25	7.229	4.70	235.5	0.0	560.5
95.00		1.00	1.25	28.650	31.51	342.79	0.650	0.000	2.75	8.738	5.68	286.4	0.0	311.1
100.00		1.00	1.27	28.961	31.86	336.99	0.650	0.000	5.00	15.616	10.15	517.4	0.0	555.8
105.00		1.00	1.28	29.260	32.19	331.03	0.650	0.000	5.00	15.265	9.92	511.0	0.0	543.2
110.00		1.00	1.29	29.548	32.50	324.93	0.650	0.000	5.00	14.915	9.69	504.2	0.0	530.6
115.00	Appurtenance(s)	1.00	1.30	29.826	32.81	318.68	0.650	0.000	5.00	14.564	9.47	496.9	0.0	518.0
120.00		1.00	1.32	30.094	33.10	312.31	0.650	0.000	5.00	14.213	9.24	489.3	0.0	505.5
125.00		1.00	1.33	30.354	33.39	305.82	0.650	0.000	5.00	13.862	9.01	481.4	0.0	492.9
130.00		1.00	1.34	30.605	33.67	299.21	0.650	0.000	5.00	13.512	8.78	473.1	0.0	480.3
132.50	Bot - Section 4	1.00	1.34	30.728	33.80	295.87	0.650	0.000	2.50	6.624	4.31	232.9	0.0	235.4
135.00		1.00	1.35	30.850	33.93	292.50	0.650	0.000	2.50	6.629	4.31	234.0	0.0	397.7
136.50	Top - Section 3	1.00	1.35	30.921	34.01	290.47	0.650	0.000	1.50	3.935	2.56	139.2	0.0	236.1
140.00		1.00	1.36	31.087	34.20	289.88	0.650	0.000	3.50	9.060	5.89	322.2	0.0	226.1
145.00		1.00	1.37	31.317	34.45	282.99	0.650	0.000	5.00	12.645	8.22	453.0	0.0	315.5
148.00	Appurtenance(s)	1.00	1.37	31.452	34.60	278.82	0.650	0.000	3.00	7.418	4.82	266.9	0.0	185.1
150.00		1.00	1.38	31.541	34.70	276.02	0.650	0.000	2.00	4.875	3.17	175.9	0.0	121.6
155.00		1.00	1.39	31.760	34.94	268.96	0.650	0.000	5.00	11.943	7.76	433.9	0.0	297.8
158.00	Appurtenance(s)	1.00	1.39	31.888	35.08	264.68	0.650	0.000	3.00	6.997	4.55	255.3	0.0	174.5
160.00		1.00	1.40	31.973	35.17	261.81	0.650	0.000	2.00	4.595	2.99	168.1	0.0	114.6
165.00		1.00	1.41	32.181	35.40	254.59	0.650	0.000	5.00	11.242	7.31	413.9	0.0	280.2
168.00	Appurtenance(s)	1.00	1.41	32.303	35.53	250.22	0.650	0.000	3.00	6.577	4.27	243.0	0.0	163.9
170.00		1.00	1.42	32.384	35.62	247.30	0.650	0.000	2.00	4.314	2.80	159.8	0.0	107.5
175.00		1.00	1.42	32.582	35.84	239.93	0.650	0.000	5.00	10.540	6.85	392.9	0.0	262.6
178.00	Appurtenance(s)	1.00	1.43	32.699	35.97	235.48	0.650	0.000	3.00	6.156	4.00	230.3	0.0	153.3

Wind Loading - Shaft

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 16

Totals:	**178.00**	**17,424.9**	**24,885.3**

Discrete Appurtenance Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	32.699	35.969	1.00	1.00	40.00	1440.00	0.000	0.000	2301.99	0.00	0.00
2	178.00	DB220	1	32.816	36.098	1.00	1.00	1.37	11.70	0.000	3.063	79.13	0.00	242.33
3	168.00	RRUS 4415 B25	3	32.303	35.533	0.38	0.75	1.84	124.20	0.000	0.000	104.89	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	32.303	35.533	0.65	0.75	12.74	356.94	0.000	0.000	724.50	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	32.303	35.533	0.52	0.75	31.88	345.60	0.000	0.000	1812.37	0.00	0.00
6	168.00	AIR6449 B41	3	32.303	35.533	0.53	0.75	9.03	278.10	0.000	0.000	513.15	0.00	0.00
7	168.00	ACU-A20-N	4	32.303	35.533	0.38	0.75	0.21	3.60	0.000	0.000	11.94	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	32.303	35.533	0.38	0.75	3.89	184.41	0.000	0.000	221.30	0.00	0.00
9	168.00	4449 B71 + B85	3	32.303	35.533	0.38	0.75	2.22	197.64	0.000	0.000	126.00	0.00	0.00
10	168.00	ALU 800MHz External	3	32.303	35.533	0.38	0.75	0.88	23.76	0.000	0.000	49.89	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	32.303	35.533	1.00	1.00	32.00	1440.00	0.000	0.000	1819.31	0.00	0.00
12	158.00	Low Profile	1	31.888	35.077	1.00	1.00	22.00	1350.00	0.000	0.000	1234.72	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	31.888	35.077	0.40	0.80	0.37	28.62	0.000	0.000	20.65	0.00	0.00
14	158.00	RRUS 11	6	31.888	35.077	0.40	0.80	6.05	273.78	0.000	0.000	339.44	0.00	0.00
15	158.00	DTMABP7819VG12A	6	31.888	35.077	0.40	0.80	2.74	103.68	0.000	0.000	153.55	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	31.888	35.077	0.60	0.80	19.25	174.60	0.000	0.000	1080.27	0.00	0.00
17	158.00	7770.00	3	31.888	35.077	0.58	0.80	9.64	94.50	0.000	0.000	540.81	0.00	0.00
18	158.00	SBNH-1D65C	2	31.888	35.077	0.68	0.80	15.59	89.28	0.000	0.000	874.72	0.00	0.00
19	148.00	Samsung	3	31.452	34.598	0.50	0.75	2.83	189.81	0.000	0.000	156.89	0.00	0.00
20	148.00	Low Profile	1	31.452	34.598	1.00	1.00	22.00	1350.00	0.000	0.000	1217.84	0.00	0.00
21	148.00	MT6407-77A	3	31.452	34.598	0.52	0.75	7.39	214.38	0.000	0.000	408.90	0.00	0.00
22	148.00	NNH4-65C-R6	3	31.452	34.598	0.55	0.75	28.42	275.67	0.000	0.000	1573.31	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	31.452	34.598	0.50	0.75	2.83	227.88	0.000	0.000	156.89	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	2	31.408	34.548	0.68	0.75	5.48	57.60	0.000	-1.000	302.98	0.00	-302.98
25	148.00	Support Rail	1	31.452	34.598	1.00	1.00	9.75	365.95	0.000	0.000	539.72	0.00	0.00
26	115.00	Fujitsu TA08025-B605	3	29.826	32.808	0.50	0.75	2.95	202.50	0.000	0.000	155.10	0.00	0.00
27	115.00	Fujitsu TA08025-B604	3	29.826	32.808	0.50	0.75	2.95	172.53	0.000	0.000	155.10	0.00	0.00
28	115.00	MX08FRO665-21	3	29.826	32.808	0.55	0.75	20.80	174.15	0.000	0.000	1091.64	0.00	0.00
29	115.00	MC-PK8-DSH	1	29.826	32.808	1.00	1.00	37.59	1554.30	0.000	0.000	1973.21	0.00	0.00
30	115.00	Raycap	1	29.826	32.808	0.75	0.75	1.51	19.71	0.000	0.000	79.13	0.00	0.00
							Totals:		**11,324.89**			**19,819.33**		

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		482.82	1227.52	0.00	0.00
10.00		475.01	1209.89	0.00	0.00
15.00		467.21	1192.26	0.00	0.00
20.00		487.45	1174.64	0.00	0.00
25.00		502.21	1157.01	0.00	0.00
30.00		512.85	1139.38	0.00	0.00
35.00		520.45	1121.76	0.00	0.00
40.00		525.70	1104.13	0.00	0.00
43.25		342.15	708.23	0.00	0.00
45.00		187.17	663.78	0.00	0.00
49.00		430.96	1502.15	0.00	0.00
50.00		107.19	189.17	0.00	0.00
55.00		540.69	936.79	0.00	0.00
60.00		540.25	921.68	0.00	0.00
65.00		538.81	906.57	0.00	0.00
70.00		536.51	891.46	0.00	0.00
75.00		533.42	876.35	0.00	0.00
80.00		529.63	861.24	0.00	0.00
85.00		525.20	846.13	0.00	0.00
87.50		259.97	417.40	0.00	0.00
90.00		262.96	702.55	0.00	0.00
92.25		235.46	626.37	0.00	0.00
95.00		286.40	391.56	0.00	0.00
100.00		517.38	702.17	0.00	0.00
105.00		510.98	689.58	0.00	0.00
110.00		504.15	676.99	0.00	0.00
115.00	(11) attachments	3951.11	2787.59	0.00	0.00
120.00		489.32	647.13	0.00	0.00
125.00		481.37	634.54	0.00	0.00
130.00		473.08	621.95	0.00	0.00
132.50		232.87	306.25	0.00	0.00
135.00		233.96	468.56	0.00	0.00
136.50		139.21	278.56	0.00	0.00
140.00		322.20	325.25	0.00	0.00
145.00		453.01	457.15	0.00	0.00
148.00	(16) attachments	4623.45	2951.35	0.00	-302.98
150.00		175.92	153.70	0.00	0.00
155.00		433.93	378.08	0.00	0.00
158.00	(23) attachments	4499.42	2337.07	0.00	0.00
160.00		168.07	124.18	0.00	0.00
165.00		413.86	304.29	0.00	0.00
168.00	(26) attachments	5626.39	3132.59	0.00	0.00
170.00		159.83	108.44	0.00	0.00
175.00		392.87	264.92	0.00	0.00
178.00	(2) attachments	2611.38	1606.42	0.00	242.33

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 19

Tower Engineering Solutions

Totals:	**37,244.22**	**40,724.79**	**0.00**	**-60.65**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	19.450	0.00	0.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	19.450	0.00	0.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	19.450	0.00	0.00
20.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	20.638	0.00	0.00
25.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	21.630	0.00	0.00
30.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	22.477	0.00	0.00
35.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	23.218	0.00	0.00
40.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	23.880	0.00	0.00
43.25	1.25" Reinforcing	Yes	3.25	0.000	1.50	0.41	0.00	0.033	0.000	24.276	0.00	0.00
45.00	1.25" Reinforcing	Yes	1.75	0.000	1.50	0.22	0.00	0.033	0.000	24.479	0.00	0.00
49.00	1.25" Reinforcing	Yes	4.00	0.000	1.50	0.50	0.00	0.034	0.000	24.922	0.00	0.00
50.00	1.25" Reinforcing	Yes	1.00	0.000	1.50	0.13	0.00	0.033	0.000	25.029	0.00	0.00
55.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	25.536	0.00	0.00
60.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	26.008	0.00	0.00
65.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.035	0.000	26.450	0.00	0.00
70.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.036	0.000	26.866	0.00	0.00
75.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	27.259	0.00	0.00
80.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	27.632	0.00	0.00
85.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.038	0.000	27.987	0.00	0.00
87.50	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	28.158	0.00	0.00
90.00	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	28.325	0.00	0.00
92.25	1.25" Reinforcing	Yes	2.25	0.000	1.50	0.28	0.00	0.040	0.000	28.473	0.00	0.00
95.00	1.25" Reinforcing	Yes	2.75	0.000	1.50	0.34	0.00	0.039	0.000	28.650	0.00	0.00
100.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.040	0.000	28.961	0.00	0.00
105.00	1.25" Reinforcing	Yes	3.00	0.000	1.50	0.38	0.00	0.025	0.000	29.260	0.00	0.00
									Totals:		**0.0**	**0.0**

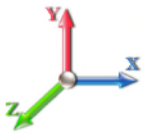
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-40.63	-37.35	0.00	-4810.8	0.00	4810.80	5032.32	2516.16	10592.9	5304.33	0.00	0.000	0.000	0.915
5.00	-39.22	-37.06	0.00	-4624.0	0.00	4624.07	4975.71	2487.85	10302.9	5159.13	0.15	-0.284	0.000	0.904
10.00	-37.83	-36.76	0.00	-4438.8	0.00	4438.80	4918.28	2459.14	10015.1	5015.04	0.60	-0.570	0.000	0.893
15.00	-36.46	-36.47	0.00	-4254.9	0.00	4254.99	4860.04	2430.02	9729.75	4872.10	1.35	-0.859	0.000	0.881
20.00	-35.11	-36.14	0.00	-4072.6	0.00	4072.67	4800.98	2400.49	9446.70	4730.37	2.41	-1.150	0.000	0.869
25.00	-33.78	-35.78	0.00	-3891.9	0.00	3891.99	4741.11	2370.56	9166.14	4589.88	3.77	-1.443	0.000	0.855
30.00	-32.47	-35.41	0.00	-3713.0	0.00	3713.08	4680.43	2340.21	8888.14	4450.68	5.44	-1.738	0.000	0.841
35.00	-31.19	-35.01	0.00	-3536.0	0.00	3536.05	4618.93	2309.46	8612.79	4312.80	7.42	-2.034	0.000	0.827
40.00	-29.96	-34.57	0.00	-3361.0	0.00	3361.00	4556.62	2278.31	8340.18	4176.29	9.71	-2.332	0.000	0.812
43.25	-29.17	-34.28	0.00	-3248.6	0.00	3248.65	4515.67	2257.84	8164.48	4088.31	11.36	-2.528	0.000	0.801
45.00	-28.42	-34.15	0.00	-3188.6	0.00	3188.66	4493.49	2246.74	8070.38	4041.19	12.31	-2.634	0.000	0.796
49.00	-26.85	-33.71	0.00	-3052.0	0.00	3052.08	3697.88	1848.94	6673.72	3341.82	14.62	-2.875	0.000	0.921
50.00	-26.55	-33.69	0.00	-3018.3	0.00	3018.36	3688.23	1844.12	6630.98	3320.42	15.23	-2.936	0.000	0.917
55.00	-25.45	-33.25	0.00	-2849.9	0.00	2849.91	3639.50	1819.75	6418.42	3213.98	18.48	-3.267	0.000	0.894
60.00	-24.38	-32.79	0.00	-2683.6	0.00	2683.68	3589.95	1794.97	6207.79	3108.51	22.07	-3.597	0.000	0.870
65.00	-23.32	-32.33	0.00	-2519.7	0.00	2519.72	3539.58	1769.79	5999.19	3004.06	26.01	-3.927	0.000	0.846
70.00	-22.29	-31.86	0.00	-2358.0	0.00	2358.07	3488.40	1744.20	5792.70	2900.65	30.30	-4.254	0.000	0.820
75.00	-21.28	-31.38	0.00	-2198.7	0.00	2198.78	3436.41	1718.21	5588.39	2798.35	34.92	-4.579	0.000	0.792
80.00	-20.29	-30.90	0.00	-2041.8	0.00	2041.88	3383.61	1691.80	5386.36	2697.18	39.89	-4.901	0.000	0.763
85.00	-19.37	-30.38	0.00	-1887.4	0.00	1887.41	3329.98	1664.99	5186.69	2597.20	45.18	-5.219	0.000	0.733
87.50	-18.90	-30.13	0.00	-1811.4	0.00	1811.47	3302.87	1651.43	5087.76	2547.66	47.96	-5.379	0.000	0.717
90.00	-18.14	-29.85	0.00	-1736.1	0.00	1736.13	3275.55	1637.77	4989.46	2498.44	50.81	-5.537	0.000	0.701
92.25	-17.46	-29.60	0.00	-1668.9	0.00	1668.97	2608.31	1304.15	4013.68	2009.82	53.45	-5.678	0.000	0.838
95.00	-16.97	-29.36	0.00	-1587.5	0.00	1587.56	2586.56	1293.28	3931.38	1968.61	56.77	-5.849	0.000	0.814
100.00	-16.16	-28.86	0.00	-1440.7	0.00	1440.78	2546.40	1273.20	3782.92	1894.27	63.06	-6.188	0.000	0.767
105.00	-15.37	-28.36	0.00	-1296.4	0.00	1296.47	2505.42	1252.71	3636.03	1820.72	69.71	-6.516	0.000	0.719
110.00	-14.61	-27.86	0.00	-1154.6	0.00	1154.65	2463.62	1231.81	3490.80	1747.99	76.69	-6.831	0.000	0.667
115.00	-12.20	-23.67	0.00	-1015.3	0.00	1015.33	2421.01	1210.51	3347.31	1676.14	83.98	-7.130	0.000	0.611
120.00	-11.51	-23.15	0.00	-897.00	0.00	897.00	2377.59	1188.79	3205.66	1605.21	91.59	-7.414	0.000	0.564
125.00	-10.84	-22.64	0.00	-781.24	0.00	781.24	2333.35	1166.68	3065.91	1535.23	99.47	-7.682	0.000	0.514
130.00	-10.22	-22.12	0.00	-668.02	0.00	668.02	2288.30	1144.15	2928.16	1466.26	107.63	-7.932	0.000	0.460
132.50	-9.90	-21.87	0.00	-612.72	0.00	612.72	2265.47	1132.73	2860.06	1432.16	111.80	-8.052	0.000	0.433
135.00	-9.44	-21.59	0.00	-558.05	0.00	558.05	2238.61	1119.31	2787.73	1395.94	116.04	-8.165	0.000	0.404
136.50	-9.14	-21.43	0.00	-525.67	0.00	525.67	1414.08	707.04	1782.89	892.77	118.60	-8.231	0.000	0.596
140.00	-8.80	-21.09	0.00	-450.68	0.00	450.68	1397.66	698.83	1728.59	865.58	124.67	-8.373	0.000	0.528
145.00	-8.35	-20.60	0.00	-345.23	0.00	345.23	1373.51	686.75	1651.57	827.01	133.54	-8.610	0.000	0.424
148.00	-6.10	-15.59	0.00	-283.43	0.00	283.43	1358.62	679.31	1605.69	804.04	138.97	-8.732	0.000	0.358
150.00	-5.95	-15.41	0.00	-252.24	0.00	252.24	1348.54	674.27	1575.26	788.80	142.63	-8.805	0.000	0.325
155.00	-5.61	-14.93	0.00	-175.20	0.00	175.20	1322.76	661.38	1499.73	750.98	151.90	-8.956	0.000	0.238
158.00	-4.00	-10.13	0.00	-130.40	0.00	130.40	1306.90	653.45	1454.83	728.50	157.53	-9.027	0.000	0.182
160.00	-3.89	-9.95	0.00	-110.15	0.00	110.15	1296.17	648.08	1425.08	713.60	161.31	-9.066	0.000	0.158
165.00	-3.65	-9.49	0.00	-60.42	0.00	60.42	1268.76	634.38	1351.39	676.70	170.80	-9.138	0.000	0.092
168.00	-1.45	-3.44	0.00	-31.95	0.00	31.95	1251.92	625.96	1307.68	654.81	176.53	-9.164	0.000	0.050
170.00	-1.37	-3.26	0.00	-25.07	0.00	25.07	1240.54	620.27	1278.75	640.32	180.36	-9.175	0.000	0.040
175.00	-1.17	-2.83	0.00	-8.75	0.00	8.75	1211.50	605.75	1207.23	604.51	189.93	-9.193	0.000	0.015
178.00	0.00	-2.61	0.00	-0.24	0.00	0.24	1193.69	596.84	1164.89	583.31	195.69	-9.196	0.000	0.000

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	22.734	27.28	155.1	405.5	1847.0
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	22.457	26.95	153.2	428.4	1846.4
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	22.152	26.58	151.1	439.4	1833.9
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	21.835	26.20	158.0	445.2	1816.2
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	21.511	25.81	163.2	447.9	1795.4
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	21.183	25.42	167.0	448.7	1772.7
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	20.851	25.02	169.8	448.0	1748.6
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	5.00	20.518	24.62	171.8	446.3	1723.3
43.25	Bot - Section 2	1.00	1.06	6.450	7.10	0.00	1.200	1.541	3.25	13.155	15.79	112.0	289.1	1106.5
45.00		1.00	1.07	6.504	7.15	0.00	1.200	1.547	1.75	7.135	8.56	61.3	157.8	974.6
49.00	Top - Section 1	1.00	1.09	6.622	7.28	0.00	1.200	1.560	4.00	16.156	19.39	141.2	358.8	2205.5
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	1.00	4.004	4.81	35.2	89.6	302.8
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	19.824	23.79	177.5	444.0	1497.9
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	19.485	23.38	177.7	439.8	1473.5
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	19.145	22.97	177.6	435.1	1448.7
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	18.804	22.56	177.2	430.1	1423.5
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	18.462	22.15	176.5	424.7	1398.0
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	5.00	18.120	21.74	175.6	419.0	1372.2
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	5.00	17.778	21.33	174.5	413.1	1346.1
87.50	Bot - Section 3	1.00	1.23	7.482	8.23	0.00	1.200	1.654	2.50	8.759	10.51	86.5	205.0	664.0
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	2.50	8.806	10.57	87.5	206.7	1045.9
92.25	Top - Section 2	1.00	1.24	7.565	8.32	0.00	1.200	1.662	2.25	7.852	9.42	78.4	184.8	932.1
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	2.75	9.503	11.40	95.5	223.9	638.7
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	17.013	20.42	172.8	400.6	1141.7
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	16.669	20.00	171.1	393.9	1118.2
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	16.325	19.59	169.2	387.0	1094.5
115.00	Appurtenance(s)	1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	15.980	19.18	167.2	380.0	1070.7
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	5.00	15.635	18.76	165.0	372.8	1046.8
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	5.00	15.290	18.35	162.8	365.5	1022.7
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	5.00	14.945	17.93	160.4	358.1	998.5
132.50	Bot - Section 4	1.00	1.34	8.165	8.98	0.00	1.200	1.724	2.50	7.343	8.81	79.1	177.2	491.1
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	2.50	7.349	8.82	79.5	177.6	707.9
136.50	Top - Section 3	1.00	1.35	8.216	9.04	0.00	1.200	1.729	1.50	4.368	5.24	47.4	105.9	420.7
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	3.50	10.071	12.09	109.8	243.4	544.8
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	14.094	16.91	154.8	339.9	760.5
148.00	Appurtenance(s)	1.00	1.37	8.357	9.19	0.00	1.200	1.743	3.00	8.290	9.95	91.4	201.1	447.9
150.00		1.00	1.38	8.381	9.22	0.00	1.200	1.745	2.00	5.457	6.55	60.4	132.8	295.0
155.00		1.00	1.39	8.439	9.28	0.00	1.200	1.751	5.00	13.402	16.08	149.3	324.1	721.2
158.00	Appurtenance(s)	1.00	1.39	8.473	9.32	0.00	1.200	1.754	3.00	7.875	9.45	88.1	191.6	424.2
160.00		1.00	1.40	8.495	9.34	0.00	1.200	1.757	2.00	5.180	6.22	58.1	126.4	279.2
165.00		1.00	1.41	8.551	9.41	0.00	1.200	1.762	5.00	12.710	15.25	143.5	308.0	681.6
168.00	Appurtenance(s)	1.00	1.41	8.583	9.44	0.00	1.200	1.765	3.00	7.459	8.95	84.5	181.8	400.3
170.00		1.00	1.42	8.604	9.46	0.00	1.200	1.767	2.00	4.903	5.88	55.7	119.9	263.2
175.00		1.00	1.42	8.657	9.52	0.00	1.200	1.772	5.00	12.017	14.42	137.3	291.5	641.6
178.00	Appurtenance(s)	1.00	1.43	8.688	9.56	0.00	1.200	1.775	3.00	7.043	8.45	80.8	171.9	376.3

Wind Loading - Shaft

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

Totals:	**178.00**	**5,811.5**	**47,162.3**

Discrete Appurtenance Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	8.688	9.557	1.00	1.00	75.51	3456.09	0.000	0.000	721.61	0.00	0.00
2	178.00	DB220	1	8.719	9.591	1.00	1.00	5.16	47.50	0.000	3.063	49.48	0.00	151.52
3	168.00	RRUS 4415 B25	3	8.583	9.441	0.38	0.75	2.43	262.12	0.000	0.000	22.95	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	8.583	9.441	0.65	0.75	14.97	1033.07	0.000	0.000	141.29	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	8.583	9.441	0.52	0.75	34.91	1730.73	0.000	0.000	329.56	0.00	0.00
6	168.00	AIR6449 B41	3	8.583	9.441	0.53	0.75	10.56	691.74	0.000	0.000	99.72	0.00	0.00
7	168.00	ACU-A20-N	4	8.583	9.441	0.38	0.75	0.66	16.98	0.000	0.000	6.23	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	8.583	9.441	0.38	0.75	5.39	442.62	0.000	0.000	50.87	0.00	0.00
9	168.00	4449 B71 + B85	3	8.583	9.441	0.38	0.75	2.86	263.52	0.000	0.000	27.04	0.00	0.00
10	168.00	ALU 800MHz External	3	8.583	9.441	0.38	0.75	1.61	70.21	0.000	0.000	15.23	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	8.583	9.441	1.00	1.00	60.24	3443.78	0.000	0.000	568.76	0.00	0.00
12	158.00	Low Profile	1	8.473	9.320	1.00	1.00	39.75	2815.73	0.000	0.000	370.51	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	8.473	9.320	0.40	0.80	0.54	82.61	0.000	0.000	5.07	0.00	0.00
14	158.00	RRUS 11	6	8.473	9.320	0.40	0.80	7.62	903.63	0.000	0.000	71.02	0.00	0.00
15	158.00	DTMABP7819VG12A	6	8.473	9.320	0.40	0.80	4.59	248.36	0.000	0.000	42.80	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	8.473	9.320	0.60	0.80	25.99	699.29	0.000	0.000	242.21	0.00	0.00
17	158.00	7770.00	3	8.473	9.320	0.58	0.80	11.51	534.12	0.000	0.000	107.30	0.00	0.00
18	158.00	SBNH-1D65C	2	8.473	9.320	0.68	0.80	17.86	650.17	0.000	0.000	166.48	0.00	0.00
19	148.00	Samsung	3	8.357	9.193	0.50	0.75	3.66	363.99	0.000	0.000	33.68	0.00	0.00
20	148.00	Low Profile	1	8.357	9.193	1.00	1.00	39.64	2807.16	0.000	0.000	364.38	0.00	0.00
21	148.00	MT6407-77A	3	8.357	9.193	0.52	0.75	8.88	643.88	0.000	0.000	81.60	0.00	0.00
22	148.00	NNH4-65C-R6	3	8.357	9.193	0.55	0.75	31.41	1460.68	0.000	0.000	288.74	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	8.357	9.193	0.50	0.75	3.66	351.81	0.000	0.000	33.68	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	2	8.345	9.180	0.68	0.75	6.59	247.15	0.000	-1.000	60.49	0.00	-60.49
25	148.00	Support Rail	1	8.357	9.193	1.00	1.00	19.27	1376.44	0.000	0.000	177.11	0.00	0.00
26	115.00	Fujitsu TA08025-B605	3	7.925	8.717	0.50	0.75	3.78	385.00	0.000	0.000	32.94	0.00	0.00
27	115.00	Fujitsu TA08025-B604	3	7.925	8.717	0.50	0.75	3.78	341.65	0.000	0.000	32.94	0.00	0.00
28	115.00	MX08FRO665-21	3	7.925	8.717	0.55	0.75	23.17	880.33	0.000	0.000	201.98	0.00	0.00
29	115.00	MC-PK8-DSH	1	7.925	8.717	1.00	1.00	83.59	3342.98	0.000	0.000	728.63	0.00	0.00
30	115.00	Raycap	1	7.925	8.717	0.75	0.75	1.92	65.43	0.000	0.000	16.76	0.00	0.00
							Totals:		**29,658.74**			**5,091.06**		

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 25

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		155.08	2078.34	0.00	0.00
10.00		153.20	2080.89	0.00	0.00
15.00		151.12	2070.37	0.00	0.00
20.00		158.05	2054.12	0.00	0.00
25.00		163.19	2034.57	0.00	0.00
30.00		166.99	2012.84	0.00	0.00
35.00		169.80	1989.55	0.00	0.00
40.00		171.84	1965.09	0.00	0.00
43.25		112.00	1263.97	0.00	0.00
45.00		61.26	1059.45	0.00	0.00
49.00		141.22	2399.92	0.00	0.00
50.00		35.15	351.38	0.00	0.00
55.00		177.55	1741.61	0.00	0.00
60.00		177.73	1717.74	0.00	0.00
65.00		177.60	1693.42	0.00	0.00
70.00		177.18	1668.70	0.00	0.00
75.00		176.51	1643.62	0.00	0.00
80.00		175.61	1618.23	0.00	0.00
85.00		174.50	1592.57	0.00	0.00
87.50		86.51	787.30	0.00	0.00
90.00		87.48	1169.29	0.00	0.00
92.25		78.41	1043.27	0.00	0.00
95.00		95.48	774.61	0.00	0.00
100.00		172.80	1389.19	0.00	0.00
105.00		171.06	1344.95	0.00	0.00
110.00		169.18	1289.69	0.00	0.00
115.00	(11) attachments	1180.41	6281.26	0.00	0.00
120.00		165.03	1235.68	0.00	0.00
125.00		162.78	1211.59	0.00	0.00
130.00		160.43	1187.37	0.00	0.00
132.50		79.13	585.51	0.00	0.00
135.00		79.51	802.39	0.00	0.00
136.50		47.37	477.32	0.00	0.00
140.00		109.80	677.02	0.00	0.00
145.00		154.81	949.43	0.00	0.00
148.00	(16) attachments	1131.12	7812.30	0.00	-60.49
150.00		60.37	337.75	0.00	0.00
155.00		149.29	828.21	0.00	0.00
158.00	(23) attachments	1093.47	6422.29	0.00	0.00
160.00		58.09	292.00	0.00	0.00
165.00		143.45	713.66	0.00	0.00
168.00	(26) attachments	1346.17	8374.37	0.00	0.00
170.00		55.69	264.48	0.00	0.00
175.00		137.32	644.69	0.00	0.00
178.00	(2) attachments	851.87	3881.77	0.00	151.52

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Tower Engineering Solutions

Totals:	**10,902.60**	**83,813.78**	**0.00**	**91.04**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.66	0.00	0.029	0.000	5.168	0.00	36.18
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.73	0.00	0.029	0.000	5.168	0.00	39.32
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.78	0.00	0.030	0.000	5.168	0.00	41.30
20.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.81	0.00	0.030	0.000	5.483	0.00	42.78
25.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.84	0.00	0.031	0.000	5.747	0.00	43.98
30.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.86	0.00	0.031	0.000	5.972	0.00	44.98
35.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.88	0.00	0.032	0.000	6.169	0.00	45.85
40.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.90	0.00	0.032	0.000	6.345	0.00	46.62
43.25	1.25" Reinforcing	Yes	3.25	0.000	1.50	1.24	0.00	0.033	0.000	6.450	0.00	30.60
45.00	1.25" Reinforcing	Yes	1.75	0.000	1.50	0.67	0.00	0.033	0.000	6.504	0.00	16.56
49.00	1.25" Reinforcing	Yes	4.00	0.000	1.50	1.54	0.00	0.034	0.000	6.622	0.00	38.26
50.00	1.25" Reinforcing	Yes	1.00	0.000	1.50	0.39	0.00	0.033	0.000	6.650	0.00	9.59
55.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.94	0.00	0.034	0.000	6.785	0.00	48.53
60.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.95	0.00	0.034	0.000	6.910	0.00	49.06
65.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.96	0.00	0.035	0.000	7.028	0.00	49.56
70.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.97	0.00	0.036	0.000	7.138	0.00	50.03
75.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.98	0.00	0.037	0.000	7.243	0.00	50.47
80.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	1.99	0.00	0.037	0.000	7.342	0.00	50.88
85.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	2.00	0.00	0.038	0.000	7.436	0.00	51.28
87.50	1.25" Reinforcing	Yes	2.50	0.000	1.50	1.00	0.00	0.039	0.000	7.482	0.00	25.73
90.00	1.25" Reinforcing	Yes	2.50	0.000	1.50	1.00	0.00	0.039	0.000	7.526	0.00	25.83
92.25	1.25" Reinforcing	Yes	2.25	0.000	1.50	0.90	0.00	0.040	0.000	7.565	0.00	23.32
95.00	1.25" Reinforcing	Yes	2.75	0.000	1.50	1.11	0.00	0.039	0.000	7.612	0.00	28.60
100.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	2.02	0.00	0.040	0.000	7.695	0.00	52.35
105.00	1.25" Reinforcing	Yes	3.00	0.000	1.50	1.22	0.00	0.025	0.000	7.774	0.00	31.61
									Totals:		**0.0**	**973.3**

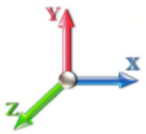
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-83.81	-10.97	0.00	-1482.5	0.00	1482.55	5032.32	2516.16	10592.9	5304.33	0.00	0.000	0.000	0.296
5.00	-81.71	-10.94	0.00	-1427.7	0.00	1427.72	4975.71	2487.85	10302.9	5159.13	0.05	-0.088	0.000	0.293
10.00	-79.61	-10.90	0.00	-1373.0	0.00	1373.04	4918.28	2459.14	10015.1	5015.04	0.19	-0.176	0.000	0.290
15.00	-77.53	-10.86	0.00	-1318.5	0.00	1318.53	4860.04	2430.02	9729.75	4872.10	0.42	-0.266	0.000	0.287
20.00	-75.46	-10.81	0.00	-1264.2	0.00	1264.21	4800.98	2400.49	9446.70	4730.37	0.74	-0.356	0.000	0.283
25.00	-73.41	-10.75	0.00	-1210.1	0.00	1210.14	4741.11	2370.56	9166.14	4589.88	1.17	-0.447	0.000	0.279
30.00	-71.38	-10.68	0.00	-1156.3	0.00	1156.37	4680.43	2340.21	8888.14	4450.68	1.68	-0.538	0.000	0.275
35.00	-69.37	-10.61	0.00	-1102.9	0.00	1102.95	4618.93	2309.46	8612.79	4312.80	2.30	-0.631	0.000	0.271
40.00	-67.40	-10.50	0.00	-1049.9	0.00	1049.92	4556.62	2278.31	8340.18	4176.29	3.01	-0.724	0.000	0.266
43.25	-66.12	-10.43	0.00	-1015.7	0.00	1015.79	4515.67	2257.84	8164.48	4088.31	3.52	-0.785	0.000	0.263
45.00	-65.06	-10.41	0.00	-997.54	0.00	997.54	4493.49	2246.74	8070.38	4041.19	3.81	-0.818	0.000	0.261
49.00	-62.65	-10.29	0.00	-955.89	0.00	955.89	3697.88	1848.94	6673.72	3341.82	4.53	-0.894	0.000	0.303
50.00	-62.29	-10.31	0.00	-945.60	0.00	945.60	3688.23	1844.12	6630.98	3320.42	4.72	-0.913	0.000	0.302
55.00	-60.53	-10.22	0.00	-894.03	0.00	894.03	3639.50	1819.75	6418.42	3213.98	5.73	-1.017	0.000	0.295
60.00	-58.80	-10.11	0.00	-842.94	0.00	842.94	3589.95	1794.97	6207.79	3108.51	6.85	-1.120	0.000	0.288
65.00	-57.09	-10.00	0.00	-792.37	0.00	792.37	3539.58	1769.79	5999.19	3004.06	8.08	-1.224	0.000	0.280
70.00	-55.41	-9.89	0.00	-742.35	0.00	742.35	3488.40	1744.20	5792.70	2900.65	9.42	-1.327	0.000	0.272
75.00	-53.75	-9.77	0.00	-692.91	0.00	692.91	3436.41	1718.21	5588.39	2798.35	10.86	-1.429	0.000	0.263
80.00	-52.12	-9.64	0.00	-644.06	0.00	644.06	3383.61	1691.80	5386.36	2697.18	12.41	-1.531	0.000	0.254
85.00	-50.52	-9.49	0.00	-595.84	0.00	595.84	3329.98	1664.99	5186.69	2597.20	14.07	-1.631	0.000	0.245
87.50	-49.73	-9.43	0.00	-572.11	0.00	572.11	3302.87	1651.43	5087.76	2547.66	14.94	-1.681	0.000	0.240
90.00	-48.56	-9.34	0.00	-548.55	0.00	548.55	3275.55	1637.77	4989.46	2498.44	15.83	-1.731	0.000	0.234
92.25	-47.51	-9.27	0.00	-527.53	0.00	527.53	2608.31	1304.15	4013.68	2009.82	16.66	-1.776	0.000	0.281
95.00	-46.72	-9.22	0.00	-502.02	0.00	502.02	2586.56	1293.28	3931.38	1968.61	17.70	-1.830	0.000	0.273
100.00	-45.33	-9.09	0.00	-455.92	0.00	455.92	2546.40	1273.20	3782.92	1894.27	19.67	-1.937	0.000	0.259
105.00	-43.97	-8.95	0.00	-410.49	0.00	410.49	2505.42	1252.71	3636.03	1820.72	21.76	-2.041	0.000	0.243
110.00	-42.67	-8.80	0.00	-365.76	0.00	365.76	2463.62	1231.81	3490.80	1747.99	23.95	-2.141	0.000	0.227
115.00	-36.43	-7.44	0.00	-321.75	0.00	321.75	2421.01	1210.51	3347.31	1676.14	26.24	-2.235	0.000	0.207
120.00	-35.19	-7.28	0.00	-284.54	0.00	284.54	2377.59	1188.79	3205.66	1605.21	28.63	-2.325	0.000	0.192
125.00	-33.98	-7.12	0.00	-248.13	0.00	248.13	2333.35	1166.68	3065.91	1535.23	31.11	-2.411	0.000	0.176
130.00	-32.79	-6.94	0.00	-212.54	0.00	212.54	2288.30	1144.15	2928.16	1466.26	33.68	-2.490	0.000	0.159
132.50	-32.20	-6.86	0.00	-195.19	0.00	195.19	2265.47	1132.73	2860.06	1432.16	34.99	-2.528	0.000	0.151
135.00	-31.40	-6.76	0.00	-178.05	0.00	178.05	2238.61	1119.31	2787.73	1395.94	36.32	-2.564	0.000	0.142
136.50	-30.92	-6.71	0.00	-167.92	0.00	167.92	1414.08	707.04	1782.89	892.77	37.13	-2.585	0.000	0.210
140.00	-30.25	-6.60	0.00	-144.45	0.00	144.45	1397.66	698.83	1728.59	865.58	39.04	-2.631	0.000	0.189
145.00	-29.30	-6.43	0.00	-111.46	0.00	111.46	1373.51	686.75	1651.57	827.01	41.84	-2.707	0.000	0.156
148.00	-21.55	-4.94	0.00	-92.17	0.00	92.17	1358.62	679.31	1605.69	804.04	43.56	-2.747	0.000	0.131
150.00	-21.21	-4.88	0.00	-82.30	0.00	82.30	1348.54	674.27	1575.26	788.80	44.71	-2.770	0.000	0.120
155.00	-20.39	-4.70	0.00	-57.92	0.00	57.92	1322.76	661.38	1499.73	750.98	47.64	-2.820	0.000	0.093
158.00	-14.02	-3.29	0.00	-43.82	0.00	43.82	1306.90	653.45	1454.83	728.50	49.42	-2.843	0.000	0.071
160.00	-13.73	-3.23	0.00	-37.23	0.00	37.23	1296.17	648.08	1425.08	713.60	50.61	-2.857	0.000	0.063
165.00	-13.03	-3.05	0.00	-21.10	0.00	21.10	1268.76	634.38	1351.39	676.70	53.62	-2.881	0.000	0.041
168.00	-4.73	-1.29	0.00	-11.95	0.00	11.95	1251.92	625.96	1307.68	654.81	55.43	-2.891	0.000	0.022
170.00	-4.47	-1.22	0.00	-9.38	0.00	9.38	1240.54	620.27	1278.75	640.32	56.64	-2.895	0.000	0.018
175.00	-3.83	-1.05	0.00	-3.29	0.00	3.29	1211.50	605.75	1207.23	604.51	59.68	-2.901	0.000	0.009
178.00	0.00	-0.85	0.00	-0.15	0.00	0.15	1193.69	596.84	1164.89	583.31	61.50	-2.902	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	25
Gust Response Factor	1.10				**Sds**	0.21		**Ss**	0.20
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1201.2	0.00	0.03	0.02	27.68	
10.00		1181.7	0.01	0.05	0.03	38.70	
15.00		1162.1	0.01	0.06	0.03	43.81	
20.00		1142.5	0.02	0.07	0.04	46.12	
25.00		1122.9	0.04	0.07	0.04	47.05	
30.00		1103.3	0.05	0.07	0.04	47.36	
35.00		1083.7	0.07	0.07	0.04	47.48	
40.00		1064.1	0.10	0.07	0.04	47.60	
43.25	Bot - Section 2	681.22	0.11	0.07	0.04	30.91	
45.00		680.61	0.12	0.07	0.03	31.13	
49.00	Top - Section 1	1538.9	0.14	0.07	0.03	71.62	
50.00		177.67	0.15	0.07	0.03	8.30	
55.00		878.25	0.18	0.07	0.03	41.70	
60.00		861.47	0.21	0.06	0.02	41.01	
65.00		844.68	0.25	0.05	0.02	39.33	
70.00		827.89	0.29	0.05	0.01	36.06	
75.00		811.10	0.34	0.04	0.01	30.56	
80.00		794.32	0.38	0.02	0.01	22.23	
85.00		777.53	0.43	0.01	0.01	11.03	
87.50	Bot - Section 3	382.47	0.46	0.00	0.01	2.29	
90.00		699.30	0.48	-0.01	0.01	-1.92	
92.25	Top - Section 2	622.79	0.51	-0.02	0.01	-6.69	
95.00		345.63	0.54	-0.03	0.01	-7.00	
100.00		617.57	0.60	-0.05	0.01	-21.91	
105.00		603.58	0.66	-0.07	0.02	-28.04	
110.00		589.60	0.72	-0.09	0.03	-31.03	
115.00	Appurtenance(s)	2934.7	0.79	-0.11	0.05	-158.83	
120.00		561.62	0.86	-0.12	0.07	-28.81	
125.00		547.63	0.93	-0.12	0.10	-24.36	
130.00		533.64	1.01	-0.11	0.14	-18.06	
132.50	Bot - Section 4	261.57	1.05	-0.09	0.16	-7.10	
135.00		441.91	1.09	-0.08	0.18	-8.61	
136.50	Top - Section 3	262.29	1.11	-0.06	0.19	-3.79	
140.00		251.19	1.17	-0.02	0.23	-0.35	
145.00		350.52	1.25	0.06	0.30	7.16	
148.00	Appurtenance(s)	3184.8	1.31	0.13	0.34	112.62	
150.00		135.12	1.34	0.18	0.37	6.23	
155.00		330.93	1.43	0.35	0.47	25.03	
158.00	Appurtenance(s)	2543.2	1.49	0.47	0.53	242.29	
160.00		127.28	1.53	0.57	0.58	13.89	
165.00		311.34	1.62	0.85	0.70	45.70	
168.00	Appurtenance(s)	3464.6	1.68	1.06	0.79	593.72	
170.00		119.44	1.72	1.22	0.85	22.53	
175.00		291.75	1.83	1.66	1.02	68.47	
178.00	Appurtenance(s)	1783.3	1.89	1.98	1.14	471.59	

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 30

	Totals:	**40,233.5**	**1,974.7**	**Total Wind:**	**37,244.2**

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

Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Load Case:	1.2D + 1.0E							**Iterations**	25
Gust Response Factor	1.10			**Sds**	0.21			**Ss**	0.20
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-54.30	-2.33	0.00	-324.52	0.00	324.52	5032.32	2516.16	10592.9	5304.33		0.00	0.00	0.072
5.00	-52.66	-2.32	0.00	-312.88	0.00	312.88	4975.71	2487.85	10302.9	5159.13		0.01	-0.02	0.071
10.00	-51.05	-2.30	0.00	-301.28	0.00	301.28	4918.28	2459.14	10015.1	5015.04		0.04	-0.04	0.070
15.00	-49.46	-2.27	0.00	-289.80	0.00	289.80	4860.04	2430.02	9729.75	4872.10		0.09	-0.06	0.070
20.00	-47.89	-2.24	0.00	-278.46	0.00	278.46	4800.98	2400.49	9446.70	4730.37		0.16	-0.08	0.069
25.00	-46.35	-2.20	0.00	-267.28	0.00	267.28	4741.11	2370.56	9166.14	4589.88		0.26	-0.10	0.068
30.00	-44.83	-2.17	0.00	-256.26	0.00	256.26	4680.43	2340.21	8888.14	4450.68		0.37	-0.12	0.067
35.00	-43.33	-2.13	0.00	-245.41	0.00	245.41	4618.93	2309.46	8612.79	4312.80		0.50	-0.14	0.066
40.00	-41.86	-2.10	0.00	-234.74	0.00	234.74	4556.62	2278.31	8340.18	4176.29		0.66	-0.16	0.065
43.25	-40.91	-2.07	0.00	-227.93	0.00	227.93	4515.67	2257.84	8164.48	4088.31		0.77	-0.17	0.065
45.00	-40.03	-2.04	0.00	-224.31	0.00	224.31	4493.49	2246.74	8070.38	4041.19		0.84	-0.18	0.064
49.00	-38.03	-1.97	0.00	-216.13	0.00	216.13	3697.88	1848.94	6673.72	3341.82		1.00	-0.20	0.075
50.00	-37.77	-1.97	0.00	-214.16	0.00	214.16	3688.23	1844.12	6630.98	3320.42		1.04	-0.20	0.075
55.00	-36.52	-1.94	0.00	-204.29	0.00	204.29	3639.50	1819.75	6418.42	3213.98		1.26	-0.23	0.074
60.00	-35.29	-1.91	0.00	-194.58	0.00	194.58	3589.95	1794.97	6207.79	3108.51		1.51	-0.25	0.072
65.00	-34.08	-1.88	0.00	-185.03	0.00	185.03	3539.58	1769.79	5999.19	3004.06		1.79	-0.27	0.071
70.00	-32.89	-1.85	0.00	-175.63	0.00	175.63	3488.40	1744.20	5792.70	2900.65		2.09	-0.30	0.070
75.00	-31.73	-1.83	0.00	-166.37	0.00	166.37	3436.41	1718.21	5588.39	2798.35		2.41	-0.32	0.069
80.00	-30.58	-1.81	0.00	-157.23	0.00	157.23	3383.61	1691.80	5386.36	2697.18		2.76	-0.35	0.067
85.00	-29.45	-1.80	0.00	-148.17	0.00	148.17	3329.98	1664.99	5186.69	2597.20		3.14	-0.37	0.066
87.50	-28.89	-1.80	0.00	-143.66	0.00	143.66	3302.87	1651.43	5087.76	2547.66		3.34	-0.38	0.065
90.00	-27.95	-1.80	0.00	-139.14	0.00	139.14	3275.55	1637.77	4989.46	2498.44		3.54	-0.40	0.064
92.25	-27.12	-1.80	0.00	-135.08	0.00	135.08	2608.31	1304.15	4013.68	2009.82		3.73	-0.41	0.078
95.00	-26.60	-1.81	0.00	-130.12	0.00	130.12	2586.56	1293.28	3931.38	1968.61		3.97	-0.42	0.076
100.00	-25.66	-1.82	0.00	-121.07	0.00	121.07	2546.40	1273.20	3782.92	1894.27		4.43	-0.45	0.074
105.00	-24.74	-1.82	0.00	-111.99	0.00	111.99	2505.42	1252.71	3636.03	1820.72		4.91	-0.48	0.071
110.00	-23.84	-1.82	0.00	-102.89	0.00	102.89	2463.62	1231.81	3490.80	1747.99		5.43	-0.51	0.069
115.00	-20.12	-1.80	0.00	-93.77	0.00	93.77	2421.01	1210.51	3347.31	1676.14		5.97	-0.53	0.064
120.00	-19.25	-1.80	0.00	-84.77	0.00	84.77	2377.59	1188.79	3205.66	1605.21		6.55	-0.56	0.061
125.00	-18.41	-1.80	0.00	-75.77	0.00	75.77	2333.35	1166.68	3065.91	1535.23		7.15	-0.58	0.057
130.00	-17.58	-1.80	0.00	-66.77	0.00	66.77	2288.30	1144.15	2928.16	1466.26		7.77	-0.61	0.053
132.50	-17.17	-1.80	0.00	-62.27	0.00	62.27	2265.47	1132.73	2860.06	1432.16		8.09	-0.62	0.051
135.00	-16.54	-1.79	0.00	-57.78	0.00	57.78	2238.61	1119.31	2787.73	1395.94		8.42	-0.63	0.049
136.50	-16.17	-1.79	0.00	-55.10	0.00	55.10	1414.08	707.04	1782.89	892.77		8.62	-0.64	0.073
140.00	-15.74	-1.79	0.00	-48.83	0.00	48.83	1397.66	698.83	1728.59	865.58		9.10	-0.66	0.068
145.00	-15.13	-1.78	0.00	-39.87	0.00	39.87	1373.51	686.75	1651.57	827.01		9.80	-0.68	0.059
148.00	-11.19	-1.63	0.00	-34.52	0.00	34.52	1358.62	679.31	1605.69	804.04		10.23	-0.70	0.051
150.00	-10.99	-1.62	0.00	-31.26	0.00	31.26	1348.54	674.27	1575.26	788.80		10.52	-0.71	0.048
155.00	-10.48	-1.59	0.00	-23.16	0.00	23.16	1322.76	661.38	1499.73	750.98		11.27	-0.72	0.039
158.00	-7.37	-1.31	0.00	-18.39	0.00	18.39	1306.90	653.45	1454.83	728.50		11.73	-0.73	0.031
160.00	-7.21	-1.30	0.00	-15.77	0.00	15.77	1296.17	648.08	1425.08	713.60		12.04	-0.74	0.028
165.00	-6.80	-1.25	0.00	-9.29	0.00	9.29	1268.76	634.38	1351.39	676.70		12.82	-0.75	0.019
168.00	-2.63	-0.60	0.00	-5.56	0.00	5.56	1251.92	625.96	1307.68	654.81		13.29	-0.75	0.011
170.00	-2.49	-0.57	0.00	-4.36	0.00	4.36	1240.54	620.27	1278.75	640.32		13.61	-0.76	0.009
175.00	-2.14	-0.50	0.00	-1.50	0.00	1.50	1211.50	605.75	1207.23	604.51		14.40	-0.76	0.004
178.00	0.00	-0.47	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31		14.88	-0.76	0.000

Calculated Forces

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 32

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E					**Iterations**	25
Gust Response Factor	1.10			**Sds**	0.21	**Ss**	0.20
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.03	**Seismic Importance Factor**	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1201.2	0.00	0.03	0.02	27.68	
10.00		1181.7	0.01	0.05	0.03	38.70	
15.00		1162.1	0.01	0.06	0.03	43.81	
20.00		1142.5	0.02	0.07	0.04	46.12	
25.00		1122.9	0.04	0.07	0.04	47.05	
30.00		1103.3	0.05	0.07	0.04	47.36	
35.00		1083.7	0.07	0.07	0.04	47.48	
40.00		1064.1	0.10	0.07	0.04	47.60	
43.25	Bot - Section 2	681.22	0.11	0.07	0.04	30.91	
45.00		680.61	0.12	0.07	0.03	31.13	
49.00	Top - Section 1	1538.9	0.14	0.07	0.03	71.62	
50.00		177.67	0.15	0.07	0.03	8.30	
55.00		878.25	0.18	0.07	0.03	41.70	
60.00		861.47	0.21	0.06	0.02	41.01	
65.00		844.68	0.25	0.05	0.02	39.33	
70.00		827.89	0.29	0.05	0.01	36.06	
75.00		811.10	0.34	0.04	0.01	30.56	
80.00		794.32	0.38	0.02	0.01	22.23	
85.00		777.53	0.43	0.01	0.01	11.03	
87.50	Bot - Section 3	382.47	0.46	0.00	0.01	2.29	
90.00		699.30	0.48	-0.01	0.01	-1.92	
92.25	Top - Section 2	622.79	0.51	-0.02	0.01	-6.69	
95.00		345.63	0.54	-0.03	0.01	-7.00	
100.00		617.57	0.60	-0.05	0.01	-21.91	
105.00		603.58	0.66	-0.07	0.02	-28.04	
110.00		589.60	0.72	-0.09	0.03	-31.03	
115.00	Appurtenance(s)	2934.7	0.79	-0.11	0.05	-158.83	
120.00		561.62	0.86	-0.12	0.07	-28.81	
125.00		547.63	0.93	-0.12	0.10	-24.36	
130.00		533.64	1.01	-0.11	0.14	-18.06	
132.50	Bot - Section 4	261.57	1.05	-0.09	0.16	-7.10	
135.00		441.91	1.09	-0.08	0.18	-8.61	
136.50	Top - Section 3	262.29	1.11	-0.06	0.19	-3.79	
140.00		251.19	1.17	-0.02	0.23	-0.35	
145.00		350.52	1.25	0.06	0.30	7.16	
148.00	Appurtenance(s)	3184.8	1.31	0.13	0.34	112.62	
150.00		135.12	1.34	0.18	0.37	6.23	
155.00		330.93	1.43	0.35	0.47	25.03	
158.00	Appurtenance(s)	2543.2	1.49	0.47	0.53	242.29	
160.00		127.28	1.53	0.57	0.58	13.89	
165.00		311.34	1.62	0.85	0.70	45.70	
168.00	Appurtenance(s)	3464.6	1.68	1.06	0.79	593.72	
170.00		119.44	1.72	1.22	0.85	22.53	
175.00		291.75	1.83	1.66	1.02	68.47	
178.00	Appurtenance(s)	1783.3	1.89	1.98	1.14	471.59	

Seismic Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Totals:	**40,233.5**	**1,974.7**	**Total Wind:** **37,244.2**

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

Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Load Case:	0.9D + 1.0E							**Iterations**	25
Gust Response Factor	1.10			**Sds**	0.21			**Ss**	0.20
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-40.72	-2.33	0.00	-317.91	0.00	317.91	5032.32	2516.16	10592.9	5304.33	0.00	0.00	0.00	0.068
5.00	-39.50	-2.31	0.00	-306.28	0.00	306.28	4975.71	2487.85	10302.9	5159.13	0.01	-0.02	0.067	
10.00	-38.29	-2.29	0.00	-294.72	0.00	294.72	4918.28	2459.14	10015.1	5015.04	0.04	-0.04	0.067	
15.00	-37.09	-2.25	0.00	-283.30	0.00	283.30	4860.04	2430.02	9729.75	4872.10	0.09	-0.06	0.066	
20.00	-35.92	-2.22	0.00	-272.03	0.00	272.03	4800.98	2400.49	9446.70	4730.37	0.16	-0.08	0.065	
25.00	-34.76	-2.18	0.00	-260.95	0.00	260.95	4741.11	2370.56	9166.14	4589.88	0.25	-0.10	0.064	
30.00	-33.62	-2.14	0.00	-250.04	0.00	250.04	4680.43	2340.21	8888.14	4450.68	0.36	-0.12	0.063	
35.00	-32.50	-2.10	0.00	-239.33	0.00	239.33	4618.93	2309.46	8612.79	4312.80	0.49	-0.14	0.063	
40.00	-31.39	-2.06	0.00	-228.81	0.00	228.81	4556.62	2278.31	8340.18	4176.29	0.65	-0.16	0.062	
43.25	-30.68	-2.04	0.00	-222.10	0.00	222.10	4515.67	2257.84	8164.48	4088.31	0.76	-0.17	0.061	
45.00	-30.02	-2.01	0.00	-218.54	0.00	218.54	4493.49	2246.74	8070.38	4041.19	0.82	-0.18	0.061	
49.00	-28.52	-1.94	0.00	-210.50	0.00	210.50	3697.88	1848.94	6673.72	3341.82	0.98	-0.19	0.071	
50.00	-28.33	-1.94	0.00	-208.56	0.00	208.56	3688.23	1844.12	6630.98	3320.42	1.02	-0.20	0.070	
55.00	-27.39	-1.90	0.00	-198.89	0.00	198.89	3639.50	1819.75	6418.42	3213.98	1.24	-0.22	0.069	
60.00	-26.47	-1.87	0.00	-189.38	0.00	189.38	3589.95	1794.97	6207.79	3108.51	1.48	-0.24	0.068	
65.00	-25.56	-1.83	0.00	-180.04	0.00	180.04	3539.58	1769.79	5999.19	3004.06	1.75	-0.27	0.067	
70.00	-24.67	-1.80	0.00	-170.87	0.00	170.87	3488.40	1744.20	5792.70	2900.65	2.04	-0.29	0.066	
75.00	-23.79	-1.78	0.00	-161.85	0.00	161.85	3436.41	1718.21	5588.39	2798.35	2.36	-0.31	0.065	
80.00	-22.93	-1.76	0.00	-152.96	0.00	152.96	3383.61	1691.80	5386.36	2697.18	2.70	-0.34	0.063	
85.00	-22.08	-1.75	0.00	-144.15	0.00	144.15	3329.98	1664.99	5186.69	2597.20	3.06	-0.36	0.062	
87.50	-21.67	-1.75	0.00	-139.77	0.00	139.77	3302.87	1651.43	5087.76	2547.66	3.26	-0.37	0.061	
90.00	-20.96	-1.75	0.00	-135.39	0.00	135.39	3275.55	1637.77	4989.46	2498.44	3.46	-0.39	0.061	
92.25	-20.34	-1.75	0.00	-131.45	0.00	131.45	2608.31	1304.15	4013.68	2009.82	3.64	-0.40	0.073	
95.00	-19.94	-1.76	0.00	-126.63	0.00	126.63	2586.56	1293.28	3931.38	1968.61	3.87	-0.41	0.072	
100.00	-19.24	-1.76	0.00	-117.85	0.00	117.85	2546.40	1273.20	3782.92	1894.27	4.32	-0.44	0.070	
105.00	-18.55	-1.76	0.00	-109.05	0.00	109.05	2505.42	1252.71	3636.03	1820.72	4.79	-0.47	0.067	
110.00	-17.87	-1.77	0.00	-100.23	0.00	100.23	2463.62	1231.81	3490.80	1747.99	5.30	-0.49	0.065	
115.00	-15.08	-1.75	0.00	-91.40	0.00	91.40	2421.01	1210.51	3347.31	1676.14	5.83	-0.52	0.061	
120.00	-14.44	-1.75	0.00	-82.66	0.00	82.66	2377.59	1188.79	3205.66	1605.21	6.38	-0.54	0.058	
125.00	-13.80	-1.75	0.00	-73.92	0.00	73.92	2333.35	1166.68	3065.91	1535.23	6.97	-0.57	0.054	
130.00	-13.18	-1.75	0.00	-65.18	0.00	65.18	2288.30	1144.15	2928.16	1466.26	7.58	-0.59	0.050	
132.50	-12.87	-1.75	0.00	-60.81	0.00	60.81	2265.47	1132.73	2860.06	1432.16	7.89	-0.61	0.048	
135.00	-12.40	-1.74	0.00	-56.45	0.00	56.45	2238.61	1119.31	2787.73	1395.94	8.21	-0.62	0.046	
136.50	-12.12	-1.74	0.00	-53.83	0.00	53.83	1414.08	707.04	1782.89	892.77	8.41	-0.62	0.069	
140.00	-11.80	-1.74	0.00	-47.73	0.00	47.73	1397.66	698.83	1728.59	865.58	8.87	-0.64	0.064	
145.00	-11.34	-1.73	0.00	-39.02	0.00	39.02	1373.51	686.75	1651.57	827.01	9.55	-0.66	0.055	
148.00	-8.39	-1.59	0.00	-33.82	0.00	33.82	1358.62	679.31	1605.69	804.04	9.98	-0.68	0.048	
150.00	-8.24	-1.58	0.00	-30.64	0.00	30.64	1348.54	674.27	1575.26	788.80	10.26	-0.69	0.045	
155.00	-7.86	-1.56	0.00	-22.72	0.00	22.72	1322.76	661.38	1499.73	750.98	10.99	-0.71	0.036	
158.00	-5.53	-1.28	0.00	-18.06	0.00	18.06	1306.90	653.45	1454.83	728.50	11.44	-0.72	0.029	
160.00	-5.40	-1.27	0.00	-15.49	0.00	15.49	1296.17	648.08	1425.08	713.60	11.74	-0.72	0.026	
165.00	-5.10	-1.22	0.00	-9.14	0.00	9.14	1268.76	634.38	1351.39	676.70	12.50	-0.73	0.018	
168.00	-1.97	-0.59	0.00	-5.47	0.00	5.47	1251.92	625.96	1307.68	654.81	12.96	-0.74	0.010	
170.00	-1.86	-0.56	0.00	-4.30	0.00	4.30	1240.54	620.27	1278.75	640.32	13.27	-0.74	0.008	
175.00	-1.60	-0.49	0.00	-1.48	0.00	1.48	1211.50	605.75	1207.23	604.51	14.05	-0.74	0.004	
178.00	0.00	-0.47	0.00	0.00	0.00	0.00	1193.69	596.84	1164.89	583.31	14.51	-0.74	0.000	

Calculated Forces

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 36

Wind Loading - Shaft

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	242.00	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	238.12	0.650	0.000	5.00	21.699	14.10	115.5	0.0	1201.3
10.00		1.00	0.85	7.442	8.19	234.24	0.650	0.000	5.00	21.348	13.88	113.6	0.0	1181.7
15.00		1.00	0.85	7.442	8.19	230.36	0.650	0.000	5.00	20.997	13.65	111.7	0.0	1162.1
20.00		1.00	0.90	7.896	8.69	233.29	0.650	0.000	5.00	20.646	13.42	116.6	0.0	1142.5
25.00		1.00	0.95	8.276	9.10	234.74	0.650	0.000	5.00	20.296	13.19	120.1	0.0	1122.9
30.00		1.00	0.98	8.600	9.46	235.12	0.650	0.000	5.00	19.945	12.96	122.6	0.0	1103.4
35.00		1.00	1.01	8.883	9.77	234.73	0.650	0.000	5.00	19.594	12.74	124.5	0.0	1083.8
40.00		1.00	1.04	9.137	10.05	233.75	0.650	0.000	5.00	19.243	12.51	125.7	0.0	1064.2
43.25	Bot - Section 2	1.00	1.06	9.288	10.22	232.86	0.650	0.000	3.25	12.320	8.01	81.8	0.0	681.2
45.00		1.00	1.07	9.366	10.30	232.31	0.650	0.000	1.75	6.684	4.34	44.8	0.0	680.6
49.00	Top - Section 1	1.00	1.09	9.536	10.49	230.89	0.650	0.000	4.00	15.115	9.83	103.1	0.0	1539.0
50.00		1.00	1.09	9.576	10.53	234.48	0.650	0.000	1.00	3.744	2.43	25.6	0.0	177.7
55.00		1.00	1.12	9.770	10.75	232.40	0.650	0.000	5.00	18.508	12.03	129.3	0.0	878.3
60.00		1.00	1.14	9.951	10.95	230.05	0.650	0.000	5.00	18.158	11.80	129.2	0.0	861.5
65.00		1.00	1.16	10.120	11.13	227.47	0.650	0.000	5.00	17.807	11.57	128.8	0.0	844.7
70.00		1.00	1.17	10.279	11.31	224.69	0.650	0.000	5.00	17.456	11.35	128.3	0.0	827.9
75.00		1.00	1.19	10.430	11.47	221.74	0.650	0.000	5.00	17.105	11.12	127.6	0.0	811.1
80.00		1.00	1.21	10.572	11.63	218.62	0.650	0.000	5.00	16.755	10.89	126.7	0.0	794.3
85.00		1.00	1.22	10.708	11.78	215.37	0.650	0.000	5.00	16.404	10.66	125.6	0.0	777.5
87.50	Bot - Section 3	1.00	1.23	10.774	11.85	213.69	0.650	0.000	2.50	8.070	5.25	62.2	0.0	382.5
90.00		1.00	1.24	10.838	11.92	211.99	0.650	0.000	2.50	8.115	5.27	62.9	0.0	699.3
92.25	Top - Section 2	1.00	1.24	10.894	11.98	210.43	0.650	0.000	2.25	7.229	4.70	56.3	0.0	622.8
95.00		1.00	1.25	10.962	12.06	212.04	0.650	0.000	2.75	8.738	5.68	68.5	0.0	345.6
100.00		1.00	1.27	11.081	12.19	208.45	0.650	0.000	5.00	15.616	10.15	123.7	0.0	617.6
105.00		1.00	1.28	11.195	12.31	204.76	0.650	0.000	5.00	15.265	9.92	122.2	0.0	603.6
110.00		1.00	1.29	11.305	12.44	200.99	0.650	0.000	5.00	14.915	9.69	120.6	0.0	589.6
115.00	Appurtenance(s)	1.00	1.30	11.412	12.55	197.12	0.650	0.000	5.00	14.564	9.47	118.8	0.0	575.6
120.00		1.00	1.32	11.514	12.67	193.18	0.650	0.000	5.00	14.213	9.24	117.0	0.0	561.6
125.00		1.00	1.33	11.614	12.78	189.17	0.650	0.000	5.00	13.862	9.01	115.1	0.0	547.6
130.00		1.00	1.34	11.710	12.88	185.08	0.650	0.000	5.00	13.512	8.78	113.1	0.0	533.6
132.50	Bot - Section 4	1.00	1.34	11.757	12.93	183.01	0.650	0.000	2.50	6.624	4.31	55.7	0.0	261.6
135.00		1.00	1.35	11.803	12.98	180.93	0.650	0.000	2.50	6.629	4.31	55.9	0.0	441.9
136.50	Top - Section 3	1.00	1.35	11.831	13.01	179.67	0.650	0.000	1.50	3.935	2.56	33.3	0.0	262.3
140.00		1.00	1.36	11.894	13.08	179.31	0.650	0.000	3.50	9.060	5.89	77.0	0.0	251.2
145.00		1.00	1.37	11.982	13.18	175.05	0.650	0.000	5.00	12.645	8.22	108.3	0.0	350.5
148.00	Appurtenance(s)	1.00	1.37	12.034	13.24	172.47	0.650	0.000	3.00	7.418	4.82	63.8	0.0	205.6
150.00		1.00	1.38	12.068	13.27	170.73	0.650	0.000	2.00	4.875	3.17	42.1	0.0	135.1
155.00		1.00	1.39	12.152	13.37	166.36	0.650	0.000	5.00	11.943	7.76	103.8	0.0	330.9
158.00	Appurtenance(s)	1.00	1.39	12.201	13.42	163.72	0.650	0.000	3.00	6.997	4.55	61.0	0.0	193.9
160.00		1.00	1.40	12.233	13.46	161.95	0.650	0.000	2.00	4.595	2.99	40.2	0.0	127.3
165.00		1.00	1.41	12.313	13.54	157.48	0.650	0.000	5.00	11.242	7.31	99.0	0.0	311.3
168.00	Appurtenance(s)	1.00	1.41	12.360	13.60	154.78	0.650	0.000	3.00	6.577	4.27	58.1	0.0	182.1
170.00		1.00	1.42	12.390	13.63	152.97	0.650	0.000	2.00	4.314	2.80	38.2	0.0	119.4
175.00		1.00	1.42	12.466	13.71	148.41	0.650	0.000	5.00	10.540	6.85	93.9	0.0	291.8
178.00	Appurtenance(s)	1.00	1.43	12.511	13.76	145.66	0.650	0.000	3.00	6.156	4.00	55.1	0.0	170.4

Wind Loading - Shaft

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Totals:	**178.00**	**4,166.9**	**27,650.3**

Discrete Appurtenance Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	Platform w/ Hand Rail	1	12.511	13.762	1.00	1.00	40.00	1600.00	0.000	0.000	550.48	0.00	0.00
2	178.00	DB220	1	12.556	13.812	1.00	1.00	1.37	13.00	0.000	3.063	18.92	0.00	57.95
3	168.00	RRUS 4415 B25	3	12.360	13.596	0.38	0.75	1.84	138.00	0.000	0.000	25.08	0.00	0.00
4	168.00	KRD 9011461-B66A-B2A	3	12.360	13.596	0.65	0.75	12.74	396.60	0.000	0.000	173.25	0.00	0.00
5	168.00	APXVAARR24_43-U-NA2	3	12.360	13.596	0.52	0.75	31.88	384.00	0.000	0.000	433.40	0.00	0.00
6	168.00	AIR6449 B41	3	12.360	13.596	0.53	0.75	9.03	309.00	0.000	0.000	122.71	0.00	0.00
7	168.00	ACU-A20-N	4	12.360	13.596	0.38	0.75	0.21	4.00	0.000	0.000	2.86	0.00	0.00
8	168.00	800MHz RRH w/ filter	3	12.360	13.596	0.38	0.75	3.89	204.90	0.000	0.000	52.92	0.00	0.00
9	168.00	4449 B71 + B85	3	12.360	13.596	0.38	0.75	2.22	219.60	0.000	0.000	30.13	0.00	0.00
10	168.00	ALU 800MHz External	3	12.360	13.596	0.38	0.75	0.88	26.40	0.000	0.000	11.93	0.00	0.00
11	168.00	Platform w/ Hand Rail	1	12.360	13.596	1.00	1.00	32.00	1600.00	0.000	0.000	435.06	0.00	0.00
12	158.00	Low Profile	1	12.201	13.421	1.00	1.00	22.00	1500.00	0.000	0.000	295.26	0.00	0.00
13	158.00	DC6-48-60-18-8F	1	12.201	13.421	0.40	0.80	0.37	31.80	0.000	0.000	4.94	0.00	0.00
14	158.00	RRUS 11	6	12.201	13.421	0.40	0.80	6.05	304.20	0.000	0.000	81.17	0.00	0.00
15	158.00	DTMABP7819VG12A	6	12.201	13.421	0.40	0.80	2.74	115.20	0.000	0.000	36.72	0.00	0.00
16	158.00	AM-X-CD-16-65-00T-RET	4	12.201	13.421	0.60	0.80	19.25	194.00	0.000	0.000	258.33	0.00	0.00
17	158.00	7770.00	3	12.201	13.421	0.58	0.80	9.64	105.00	0.000	0.000	129.32	0.00	0.00
18	158.00	SBNH-1D65C	2	12.201	13.421	0.68	0.80	15.59	99.20	0.000	0.000	209.17	0.00	0.00
19	148.00	Samsung	3	12.034	13.238	0.50	0.75	2.83	210.90	0.000	0.000	37.52	0.00	0.00
20	148.00	Low Profile	1	12.034	13.238	1.00	1.00	22.00	1500.00	0.000	0.000	291.23	0.00	0.00
21	148.00	MT6407-77A	3	12.034	13.238	0.52	0.75	7.39	238.20	0.000	0.000	97.78	0.00	0.00
22	148.00	NNH4-65C-R6	3	12.034	13.238	0.55	0.75	28.42	306.30	0.000	0.000	376.23	0.00	0.00
23	148.00	Samsung B5/B13 RRH	3	12.034	13.238	0.50	0.75	2.83	253.20	0.000	0.000	37.52	0.00	0.00
24	148.00	RFS DB-C1-12C-24AB-0Z	2	12.017	13.219	0.68	0.75	5.48	64.00	0.000	-1.000	72.45	0.00	-72.45
25	148.00	Support Rail	1	12.034	13.238	1.00	1.00	9.75	406.61	0.000	0.000	129.07	0.00	0.00
26	115.00	Fujitsu TA08025-B605	3	11.412	12.553	0.50	0.75	2.95	225.00	0.000	0.000	37.09	0.00	0.00
27	115.00	Fujitsu TA08025-B604	3	11.412	12.553	0.50	0.75	2.95	191.70	0.000	0.000	37.09	0.00	0.00
28	115.00	MX08FRO665-21	3	11.412	12.553	0.55	0.75	20.80	193.50	0.000	0.000	261.05	0.00	0.00
29	115.00	MC-PK8-DSH	1	11.412	12.553	1.00	1.00	37.59	1727.00	0.000	0.000	471.86	0.00	0.00
30	115.00	Raycap	1	11.412	12.553	0.75	0.75	1.51	21.90	0.000	0.000	18.92	0.00	0.00
							Totals:		**12,583.21**			**4,739.45**		

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 40

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		115.46	1363.91	0.00	0.00
10.00		113.59	1344.32	0.00	0.00
15.00		111.73	1324.74	0.00	0.00
20.00		116.56	1305.15	0.00	0.00
25.00		120.10	1285.57	0.00	0.00
30.00		122.64	1265.98	0.00	0.00
35.00		124.46	1246.40	0.00	0.00
40.00		125.71	1226.81	0.00	0.00
43.25		81.82	786.92	0.00	0.00
45.00		44.76	737.53	0.00	0.00
49.00		103.06	1669.05	0.00	0.00
50.00		25.63	210.19	0.00	0.00
55.00		129.30	1040.87	0.00	0.00
60.00		129.19	1024.09	0.00	0.00
65.00		128.85	1007.30	0.00	0.00
70.00		128.30	990.51	0.00	0.00
75.00		127.56	973.72	0.00	0.00
80.00		126.65	956.94	0.00	0.00
85.00		125.59	940.15	0.00	0.00
87.50		62.17	463.78	0.00	0.00
90.00		62.88	780.61	0.00	0.00
92.25		56.31	695.97	0.00	0.00
95.00		68.49	435.07	0.00	0.00
100.00		123.72	780.19	0.00	0.00
105.00		122.19	766.20	0.00	0.00
110.00		120.56	752.22	0.00	0.00
115.00	(11) attachments	944.84	3097.33	0.00	0.00
120.00		117.01	719.04	0.00	0.00
125.00		115.11	705.05	0.00	0.00
130.00		113.13	691.06	0.00	0.00
132.50		55.69	340.28	0.00	0.00
135.00		55.95	520.62	0.00	0.00
136.50		33.29	309.52	0.00	0.00
140.00		77.05	361.39	0.00	0.00
145.00		108.33	507.94	0.00	0.00
148.00	(16) attachments	1105.62	3279.27	0.00	-72.45
150.00		42.07	170.78	0.00	0.00
155.00		103.77	420.08	0.00	0.00
158.00	(23) attachments	1075.96	2596.75	0.00	0.00
160.00		40.19	137.98	0.00	0.00
165.00		98.97	338.09	0.00	0.00
168.00	(26) attachments	1345.45	3480.66	0.00	0.00
170.00		38.22	120.48	0.00	0.00
175.00		93.95	294.35	0.00	0.00
178.00	(2) attachments	624.47	1784.91	0.00	57.95

Total Applied Force Summary

Structure:	CT46127-A-SBA		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 41

Tower Engineering Solutions

Totals:	**8,906.31**	**45,249.77**	**0.00**	**-14.50**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 42	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	7.442	0.00	0.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.029	0.000	7.442	0.00	0.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	7.442	0.00	0.00
20.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.030	0.000	7.896	0.00	0.00
25.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	8.276	0.00	0.00
30.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.031	0.000	8.600	0.00	0.00
35.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	8.883	0.00	0.00
40.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.032	0.000	9.137	0.00	0.00
43.25	1.25" Reinforcing	Yes	3.25	0.000	1.50	0.41	0.00	0.033	0.000	9.288	0.00	0.00
45.00	1.25" Reinforcing	Yes	1.75	0.000	1.50	0.22	0.00	0.033	0.000	9.366	0.00	0.00
49.00	1.25" Reinforcing	Yes	4.00	0.000	1.50	0.50	0.00	0.034	0.000	9.536	0.00	0.00
50.00	1.25" Reinforcing	Yes	1.00	0.000	1.50	0.13	0.00	0.033	0.000	9.576	0.00	0.00
55.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	9.770	0.00	0.00
60.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.034	0.000	9.951	0.00	0.00
65.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.035	0.000	10.120	0.00	0.00
70.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.036	0.000	10.279	0.00	0.00
75.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	10.430	0.00	0.00
80.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.037	0.000	10.572	0.00	0.00
85.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.038	0.000	10.708	0.00	0.00
87.50	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	10.774	0.00	0.00
90.00	1.25" Reinforcing	Yes	2.50	0.000	1.50	0.31	0.00	0.039	0.000	10.838	0.00	0.00
92.25	1.25" Reinforcing	Yes	2.25	0.000	1.50	0.28	0.00	0.040	0.000	10.894	0.00	0.00
95.00	1.25" Reinforcing	Yes	2.75	0.000	1.50	0.34	0.00	0.039	0.000	10.962	0.00	0.00
100.00	1.25" Reinforcing	Yes	5.00	0.000	1.50	0.63	0.00	0.040	0.000	11.081	0.00	0.00
105.00	1.25" Reinforcing	Yes	3.00	0.000	1.50	0.38	0.00	0.025	0.000	11.195	0.00	0.00
									Totals:		**0.0**	**0.0**

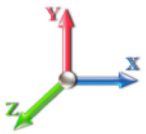
Calculated Forces

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 43	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-45.24	-8.93	0.00	-1162.2	0.00	1162.22	5032.32	2516.16	10592.9	5304.33	0.00	0.000	0.000	0.228
5.00	-43.87	-8.87	0.00	-1117.5	0.00	1117.55	4975.71	2487.85	10302.9	5159.13	0.04	-0.069	0.000	0.225
10.00	-42.52	-8.81	0.00	-1073.2	0.00	1073.20	4918.28	2459.14	10015.1	5015.04	0.15	-0.138	0.000	0.223
15.00	-41.18	-8.74	0.00	-1029.1	0.00	1029.18	4860.04	2430.02	9729.75	4872.10	0.33	-0.208	0.000	0.220
20.00	-39.86	-8.67	0.00	-985.48	0.00	985.48	4800.98	2400.49	9446.70	4730.37	0.58	-0.278	0.000	0.217
25.00	-38.57	-8.59	0.00	-942.14	0.00	942.14	4741.11	2370.56	9166.14	4589.88	0.91	-0.349	0.000	0.213
30.00	-37.29	-8.50	0.00	-899.21	0.00	899.21	4680.43	2340.21	8888.14	4450.68	1.32	-0.420	0.000	0.210
35.00	-36.04	-8.41	0.00	-856.69	0.00	856.69	4618.93	2309.46	8612.79	4312.80	1.79	-0.492	0.000	0.206
40.00	-34.80	-8.31	0.00	-814.62	0.00	814.62	4556.62	2278.31	8340.18	4176.29	2.35	-0.564	0.000	0.203
43.25	-34.01	-8.25	0.00	-787.60	0.00	787.60	4515.67	2257.84	8164.48	4088.31	2.75	-0.612	0.000	0.200
45.00	-33.27	-8.22	0.00	-773.17	0.00	773.17	4493.49	2246.74	8070.38	4041.19	2.98	-0.638	0.000	0.199
49.00	-31.60	-8.11	0.00	-740.30	0.00	740.30	3697.88	1848.94	6673.72	3341.82	3.54	-0.696	0.000	0.230
50.00	-31.38	-8.11	0.00	-732.19	0.00	732.19	3688.23	1844.12	6630.98	3320.42	3.68	-0.711	0.000	0.229
55.00	-30.33	-8.01	0.00	-691.63	0.00	691.63	3639.50	1819.75	6418.42	3213.98	4.47	-0.791	0.000	0.224
60.00	-29.30	-7.91	0.00	-651.57	0.00	651.57	3589.95	1794.97	6207.79	3108.51	5.34	-0.871	0.000	0.218
65.00	-28.28	-7.80	0.00	-612.02	0.00	612.02	3539.58	1769.79	5999.19	3004.06	6.30	-0.951	0.000	0.212
70.00	-27.28	-7.70	0.00	-573.00	0.00	573.00	3488.40	1744.20	5792.70	2900.65	7.34	-1.031	0.000	0.205
75.00	-26.30	-7.59	0.00	-534.52	0.00	534.52	3436.41	1718.21	5588.39	2798.35	8.46	-1.110	0.000	0.199
80.00	-25.34	-7.48	0.00	-496.59	0.00	496.59	3383.61	1691.80	5386.36	2697.18	9.66	-1.188	0.000	0.192
85.00	-24.39	-7.35	0.00	-459.22	0.00	459.22	3329.98	1664.99	5186.69	2597.20	10.95	-1.265	0.000	0.184
87.50	-23.92	-7.30	0.00	-440.83	0.00	440.83	3302.87	1651.43	5087.76	2547.66	11.62	-1.304	0.000	0.180
90.00	-23.14	-7.23	0.00	-422.59	0.00	422.59	3275.55	1637.77	4989.46	2498.44	12.32	-1.343	0.000	0.176
92.25	-22.44	-7.17	0.00	-406.32	0.00	406.32	2608.31	1304.15	4013.68	2009.82	12.96	-1.377	0.000	0.211
95.00	-22.00	-7.12	0.00	-386.59	0.00	386.59	2586.56	1293.28	3931.38	1968.61	13.76	-1.419	0.000	0.205
100.00	-21.21	-7.00	0.00	-351.00	0.00	351.00	2546.40	1273.20	3782.92	1894.27	15.29	-1.501	0.000	0.194
105.00	-20.44	-6.89	0.00	-315.98	0.00	315.98	2505.42	1252.71	3636.03	1820.72	16.91	-1.581	0.000	0.182
110.00	-19.68	-6.77	0.00	-281.53	0.00	281.53	2463.62	1231.81	3490.80	1747.99	18.60	-1.658	0.000	0.169
115.00	-16.61	-5.76	0.00	-247.66	0.00	247.66	2421.01	1210.51	3347.31	1676.14	20.38	-1.731	0.000	0.155
120.00	-15.89	-5.64	0.00	-218.87	0.00	218.87	2377.59	1188.79	3205.66	1605.21	22.23	-1.800	0.000	0.143
125.00	-15.18	-5.52	0.00	-190.68	0.00	190.68	2333.35	1166.68	3065.91	1535.23	24.15	-1.866	0.000	0.131
130.00	-14.49	-5.39	0.00	-163.09	0.00	163.09	2288.30	1144.15	2928.16	1466.26	26.14	-1.927	0.000	0.118
132.50	-14.15	-5.33	0.00	-149.61	0.00	149.61	2265.47	1132.73	2860.06	1432.16	27.15	-1.956	0.000	0.111
135.00	-13.63	-5.26	0.00	-136.28	0.00	136.28	2238.61	1119.31	2787.73	1395.94	28.19	-1.984	0.000	0.104
136.50	-13.32	-5.23	0.00	-128.38	0.00	128.38	1414.08	707.04	1782.89	892.77	28.81	-2.000	0.000	0.153
140.00	-12.95	-5.15	0.00	-110.09	0.00	110.09	1397.66	698.83	1728.59	865.58	30.29	-2.034	0.000	0.137
145.00	-12.45	-5.03	0.00	-84.36	0.00	84.36	1373.51	686.75	1651.57	827.01	32.45	-2.092	0.000	0.111
148.00	-9.21	-3.81	0.00	-69.27	0.00	69.27	1358.62	679.31	1605.69	804.04	33.78	-2.122	0.000	0.093
150.00	-9.04	-3.76	0.00	-61.65	0.00	61.65	1348.54	674.27	1575.26	788.80	34.67	-2.140	0.000	0.085
155.00	-8.62	-3.65	0.00	-42.83	0.00	42.83	1322.76	661.38	1499.73	750.98	36.93	-2.177	0.000	0.064
158.00	-6.07	-2.48	0.00	-31.89	0.00	31.89	1306.90	653.45	1454.83	728.50	38.31	-2.194	0.000	0.048
160.00	-5.93	-2.43	0.00	-26.94	0.00	26.94	1296.17	648.08	1425.08	713.60	39.23	-2.204	0.000	0.042
165.00	-5.59	-2.32	0.00	-14.78	0.00	14.78	1268.76	634.38	1351.39	676.70	41.54	-2.221	0.000	0.026
168.00	-2.17	-0.84	0.00	-7.82	0.00	7.82	1251.92	625.96	1307.68	654.81	42.94	-2.228	0.000	0.014
170.00	-2.05	-0.80	0.00	-6.13	0.00	6.13	1240.54	620.27	1278.75	640.32	43.88	-2.230	0.000	0.011
175.00	-1.76	-0.69	0.00	-2.14	0.00	2.14	1211.50	605.75	1207.23	604.51	46.21	-2.235	0.000	0.005
178.00	0.00	-0.62	0.00	-0.06	0.00	0.06	1193.69	596.84	1164.89	583.31	47.62	-2.235	0.000	0.000

Final Analysis Summary

Structure:	CT46127-A-SBA	**Code:**	EIA/TIA-222-G	12/22/2021	
Site Name:	Oxford-south	**Exposure:**	C		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 44	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 97 mph Wind	37.4	0.00	54.20	0.00	0.00	4902.38
0.9D + 1.6W 97 mph Wind	37.3	0.00	40.63	0.00	0.00	4810.80
1.2D + 1.0Di + 1.0Wi 50 mph Wind	11.0	0.00	83.81	0.00	0.00	1482.55
1.2D + 1.0E	2.3	0.00	54.30	0.00	0.00	324.52
0.9D + 1.0E	2.3	0.00	40.72	0.00	0.00	317.91
1.0D + 1.0W 60 mph Wind	8.9	0.00	45.24	0.00	0.00	1162.22

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 97 mph Wind	-36.31	-34.24	0.00	-3128.9	0.00	-3128.9	3697.88	1848.9	6673.72	3341.82	49.00	0.946
0.9D + 1.6W 97 mph Wind	-26.85	-33.71	0.00	-3052.0	0.00	-3052.0	3697.88	1848.9	6673.72	3341.82	49.00	0.921
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-62.65	-10.29	0.00	-955.89	0.00	-955.89	3697.88	1848.9	6673.72	3341.82	49.00	0.303
1.2D + 1.0E	-27.12	-1.80	0.00	-135.08	0.00	-135.08	2608.31	1304.1	4013.68	2009.82	92.25	0.078
0.9D + 1.0E	-20.34	-1.75	0.00	-131.45	0.00	-131.45	2608.31	1304.1	4013.68	2009.82	92.25	0.073
1.0D + 1.0W 60 mph Wind	-31.60	-8.11	0.00	-740.30	0.00	-740.30	3697.88	1848.9	6673.72	3341.82	49.00	0.230

Base Plate Summary

Structure:	CT46127-A-SB		**Code:**	EIA/TIA-222-G	12/22/2021
Site Name:	Oxford-south		**Exposure:**	C	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 45

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	3840.00
Axial (kip):	34.00
Shear (kip):	30.00
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	4902.38
Axial (kip):	54.20
Shear (kip):	37.38

Base Plate	
Yield (ksi):	50.00
Width (in):	57.00
Style:	Clipped
Polygon Sides:	4.00
Clip Length (in):	6.00
Effective Len (in):	8.17
Moment (kip-in):	743.17
Allow Stress (ksi):	67.50
Applied Stress (ksi):	51.98
Stress Ratio:	0.77

Anchor Bolts	
Bolt Circle:	59.00
Number Bolts:	16.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00
Compression	
Force (kip):	204.66
Allowable (kip):	260.00
Ratio:	0.81
Tension	
Force (kip):	194.18
Allowable (kip):	260.00
Ratio:	0.76

Monopole Mat Foundation Design

			Date: 12/22/2021
Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
Site Name:		Structure Height (Ft.):	178
Site Number:	CT46127-A-SBA	Engineer Name:	T. Alajaj
Engr. Number:	120754	Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

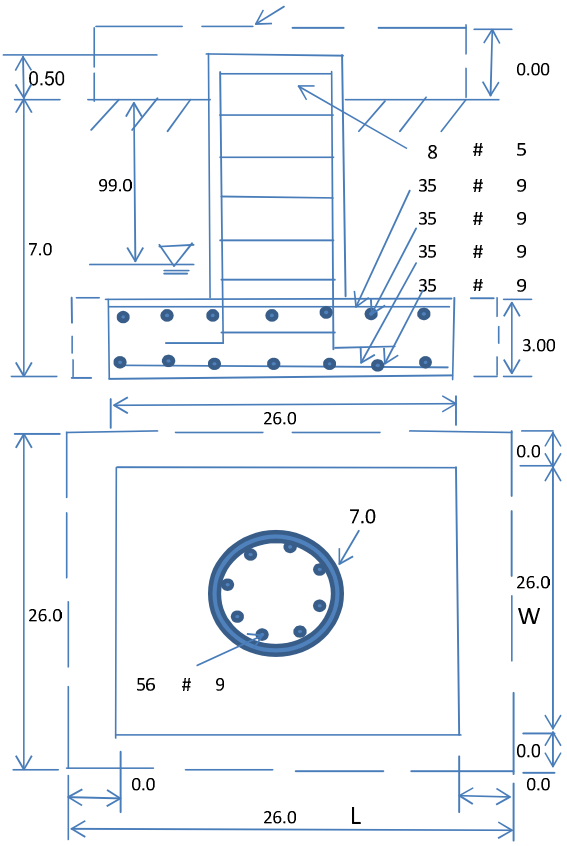
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	54.2	Shear Force (Kips):	37.4
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4902.4
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	7.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	26	Width of Pad (ft.):	26
Final Length of pad (ft)	26.0	Final width of pad (ft):	26.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	56	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	9	
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):	35	Qty. of Rebar in Pad (W):	35	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	37.6	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:			1.00	

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

Total Dry Soil Volume (cu. Ft.):	2550.06	Total Dry Soil Weight (Kips):	280.51
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	280.51	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2201.18	Total Dry Concrete Weight (Kips):	330.18
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	330.18	Total Vertical Load on Base (Kips):	664.88

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3174	<	Allowable Factored Soil Bearing (psf):	9000	0.35	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7849.6	>	Design Factored Momont (kips-ft):	4983	0.63	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.58	OK!				

Check the capacities of Reinforceing Concrete:

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

ad Capacity Ratio

(1) Concrete Pier:

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

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):			One-Way Factored Shear (L-D. Kips):	294.5
One-Way Design Shear Capacity (W-Direction, Kips):			One-Way Factored Shear (W-D., Kips	
One-Way Design Shear Capacity (Corner-Corner. Kips):			One-Way Factored Shear (C-C, Kips):	295.3
Lower Steel Pad Reinforcement Ratio (L-Direct.):			Lower Steel Pad Reinf. Ratio (W-Direc	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):			Moment at Bottom (L-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):			Moment at Bottom (W-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):			Moment at Bottom (C-C Dir. K-Ft):	2355.0
Upper Steel Pad Reinforcement Ratio (L-Direct.):			Upper Steel Reinf. Ratio (W-Dir.):	
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):			Moment at the top (L-Dir K-Ft):	
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):			Moment at the top (W-Dir K-Ft):	
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):			Moment at the top (C-C Dir. K-Ft):	

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

Moment transferred by punching shear:	1961.0	k-ft.	Max. factored shear stress v_{u_CD}	Psi
Max. factored shear stress v_{u_AB}		Psi	Factored shear Strength ϕv_n	Psi
Max. factored shear stress v_u		Psi	Check Usage of Punching Shear Capacity:	OK!

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peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10098491
Maser Consulting Connecticut Project #: 21777097A (Rev. 1)

August 26, 2021

Site Information	*Site ID:*	*467322-VZW / Oxford SW CT*
	Site Name:	*Oxford SW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*129-133 Coppermine Road* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.388056°*
	Longitude:	*-73.172222°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.92-Ft Platform*

FUZE ID # 16273376

Analysis Results

Platform: **61.3% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Cody Sherman

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675008, dated August 8, 2021*
Mount Mapping Report	*Level-Up Towers, Site #: 467322, dated February 15, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777097A, dated August 24, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777097A, dated August 26, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.203
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
147.00	148.00	3	Samsung	MT6407-77A	Added
		3	Commscope	NNH4-65C-R6	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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
Crossmember	15.0%	Pass
Grating Support	20.0%	Pass
Mount Pipe	36.0%	Pass
Face Horizontal	15.0%	Pass
Standoff Horizontal	30.0%	Pass
Corner Plate	14.0%	Pass
Crossmember Plate	40.0%	Pass
Proposed Support Rail	15.0%	Pass
Proposed Support Rail Corner	30.0%	Pass
Connection Plate and Weld	61.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**61.3%**

Recommendation:

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

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

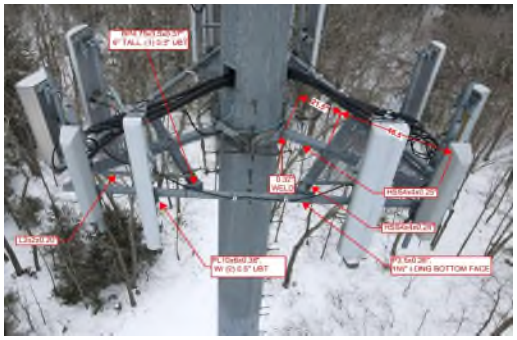
Attachments:

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

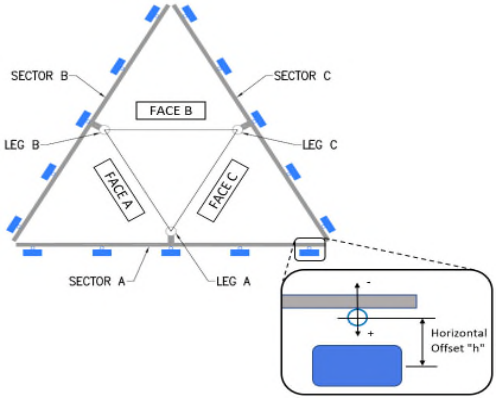
V3.0 Updated on 8-31-2020

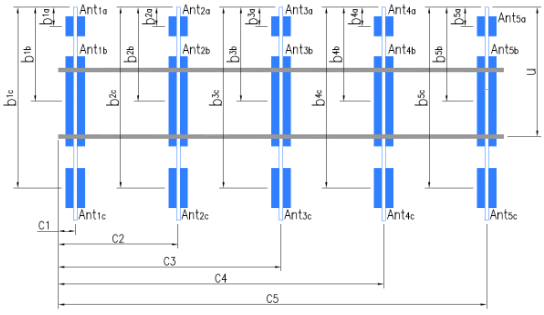
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	SBA	**Mapping Date:**	2/15/2021
Site Name:		**Tower Type:**	Monopole
Site Number or ID:		**Tower Height (Ft.):**	
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	134



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."
	72x2.38x.19				72x2.38x.19		
	72x2.38x.19				72x2.38x.19		
	72x2.38x.19				72x2.38x.19		
	72x2.38x.19				72x2.38x.19		
	72x2.38x.19						
	72x2.38x.19						
	72x2.38x.19						
	72x2.38x.19						
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				



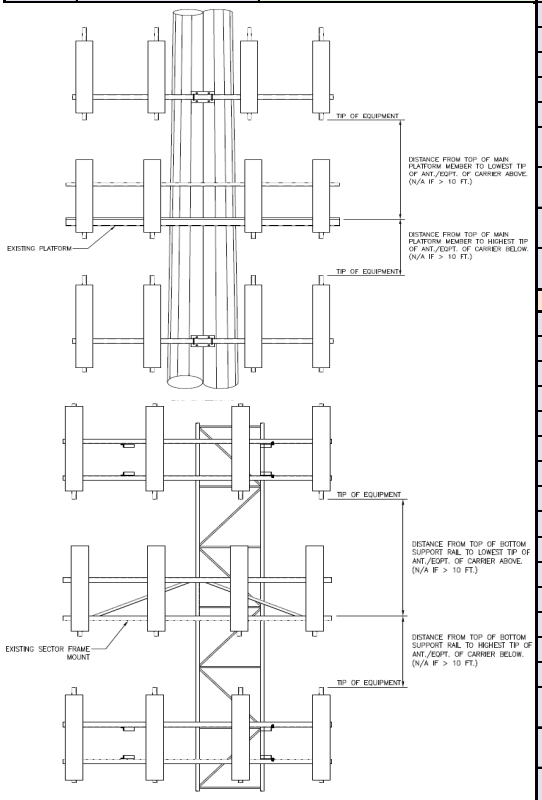


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b , b b , b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information			
Location:		Deg	Sector B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Missing climbing members.



Sector B										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector D										
Ant										
Ant_{1b}										
Ant_{1c}										
Ant										
Ant_{2b}										
Ant_{2c}										
Ant										
Ant_{3b}										
Ant_{3c}										
Ant										
Ant_{4b}										
Ant_{4c}										
Ant										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

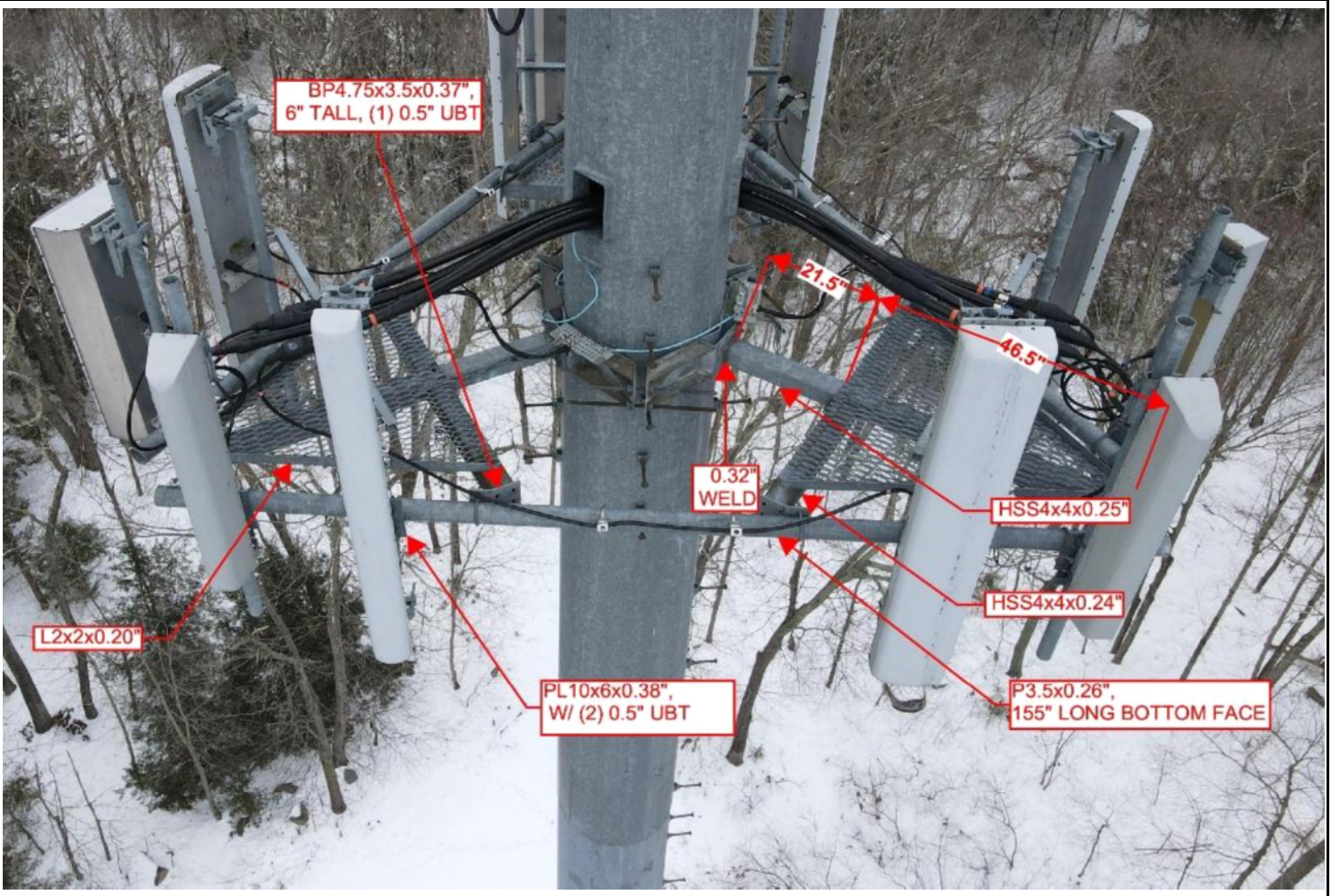
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

V3.0 Updated on 8-31-2020

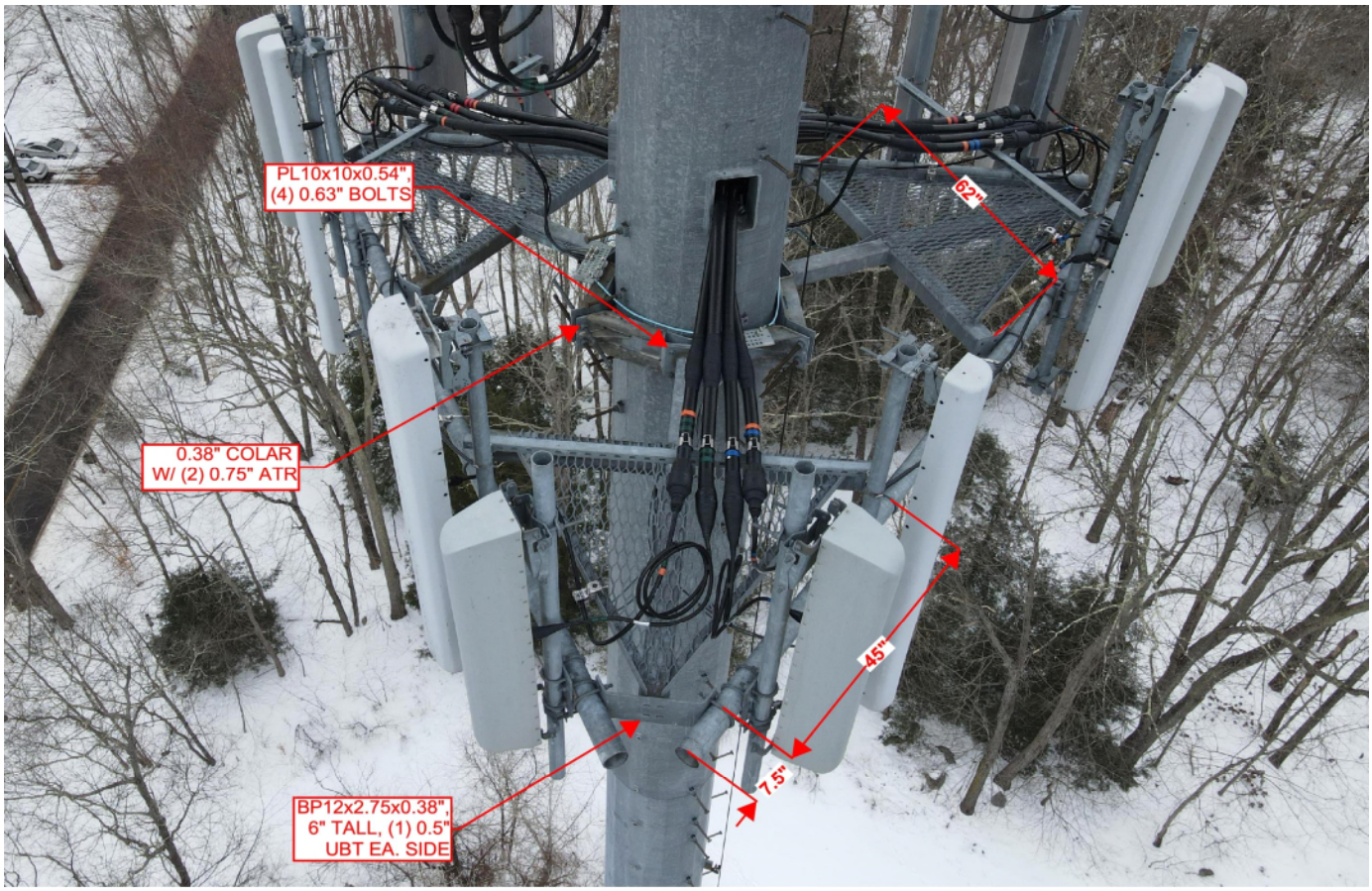
Antenna Mount Mapping Form (PATENT PENDING)

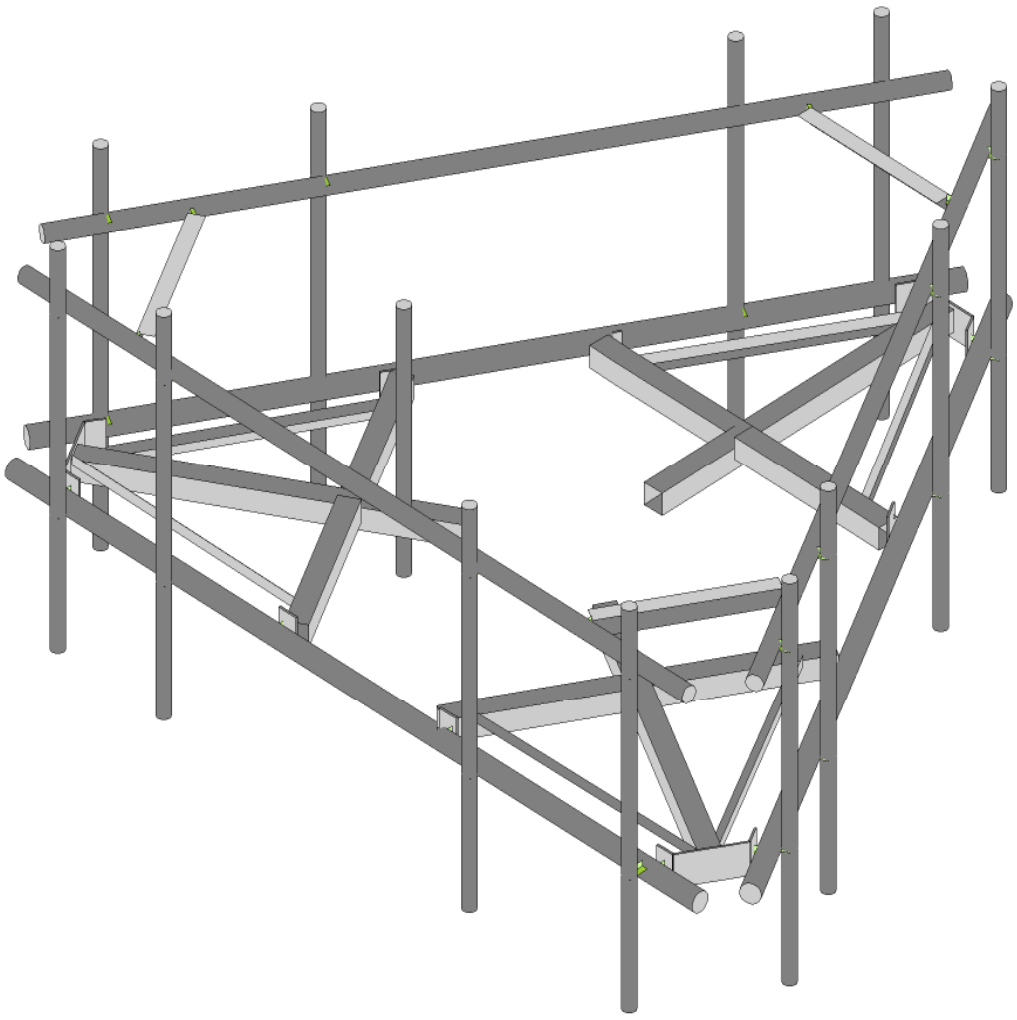
Tower Owner:	SBA	**Mapping Date:**	2/15/2021
Site Name:		**Tower Type:**	Monopole
Site Number or ID:		**Tower Height (Ft.):**	
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	134

Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd





Envelope Only Solution

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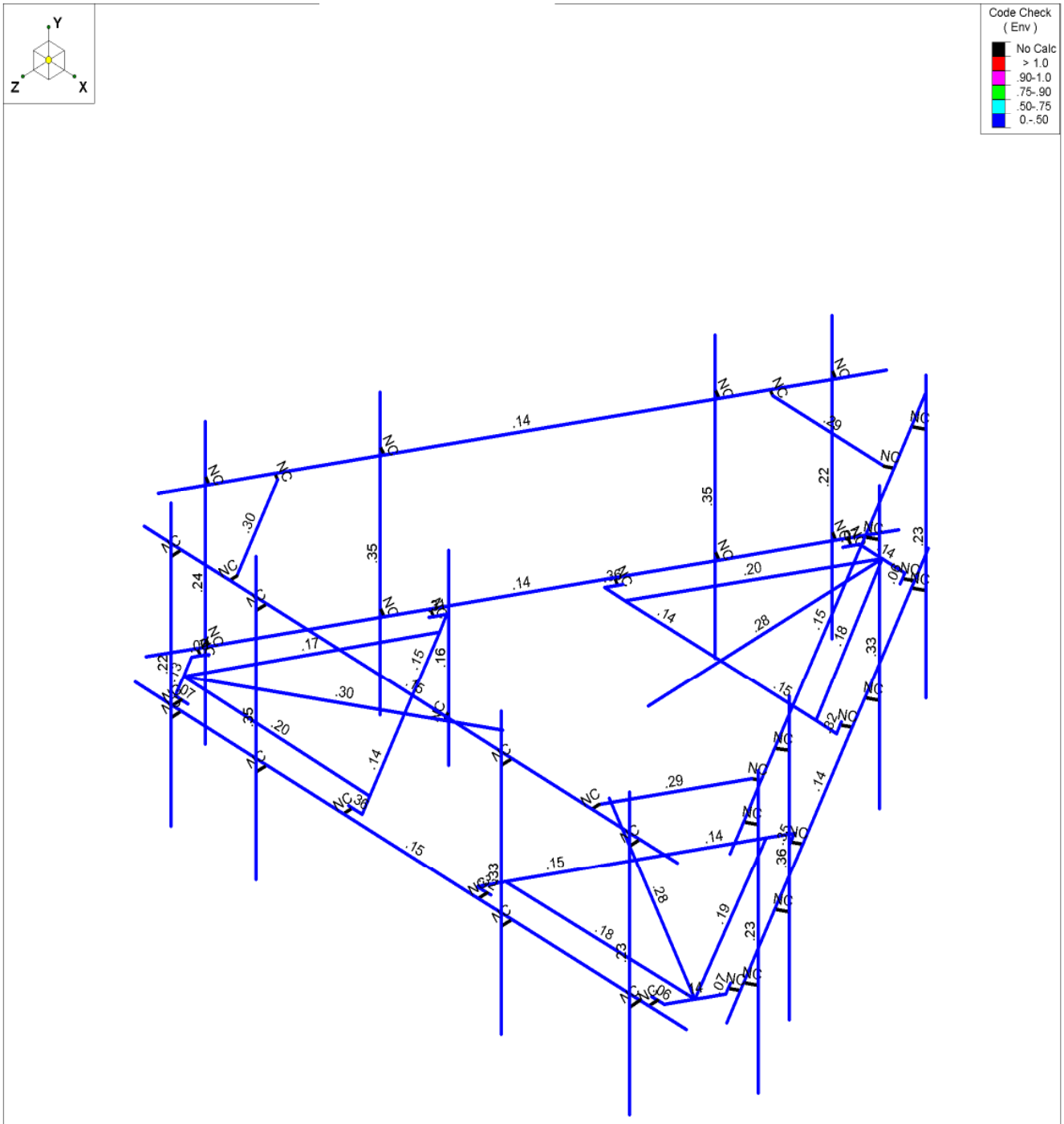

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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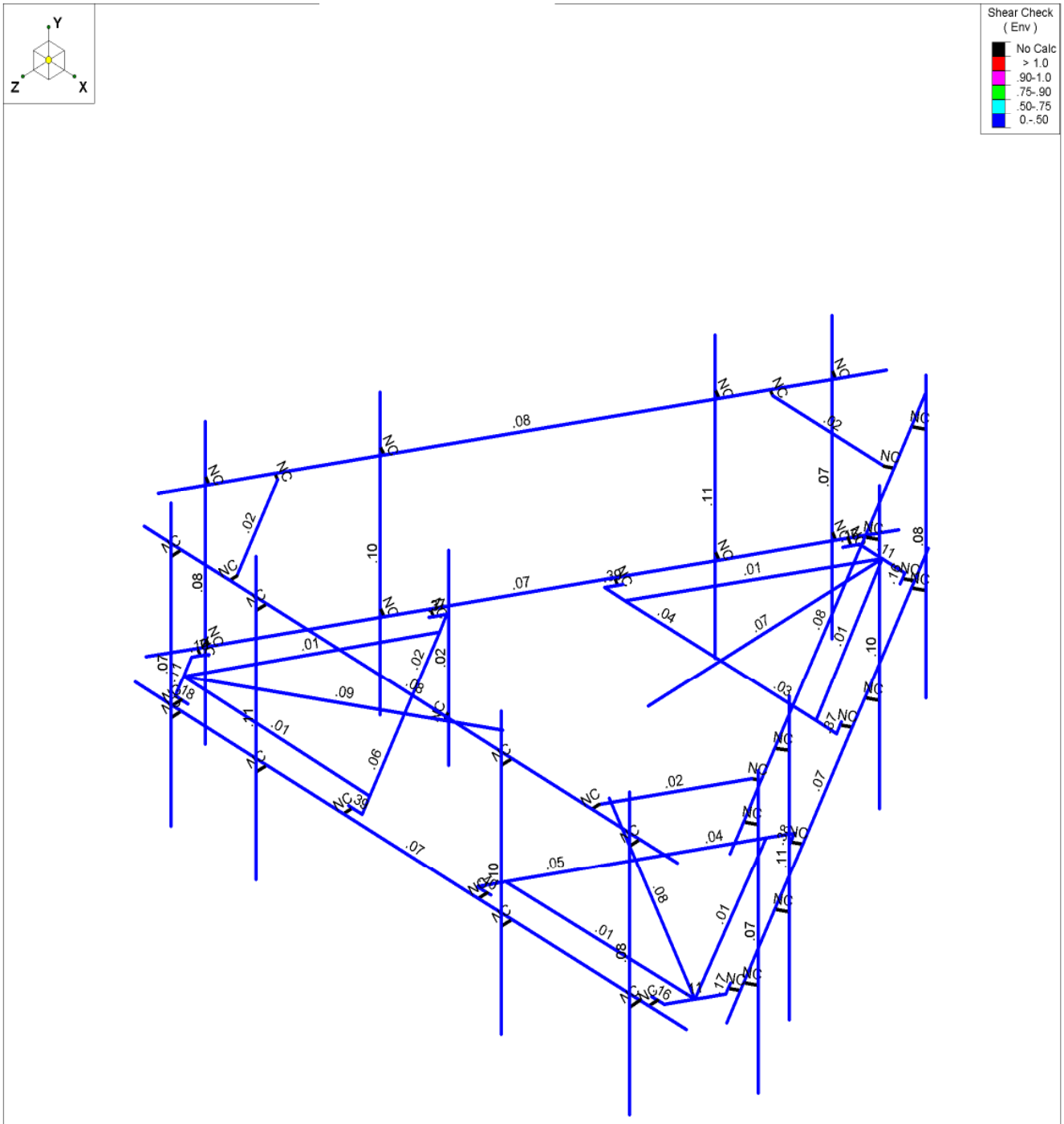

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					57			
2	Antenna Di	None					57			
3	Antenna Wo (0 Deg)	None					57			
4	Antenna Wo (30 Deg)	None					57			
5	Antenna Wo (60 Deg)	None					57			
6	Antenna Wo (90 Deg)	None					57			
7	Antenna Wo (120 Deg)	None					57			
8	Antenna Wo (150 Deg)	None					57			
9	Antenna Wo (180 Deg)	None					57			
10	Antenna Wo (210 Deg)	None					57			
11	Antenna Wo (240 Deg)	None					57			
12	Antenna Wo (270 Deg)	None					57			
13	Antenna Wo (300 Deg)	None					57			
14	Antenna Wo (330 Deg)	None					57			
15	Antenna Wi (0 Deg)	None					57			
16	Antenna Wi (30 Deg)	None					57			
17	Antenna Wi (60 Deg)	None					57			
18	Antenna Wi (90 Deg)	None					57			
19	Antenna Wi (120 Deg)	None					57			
20	Antenna Wi (150 Deg)	None					57			
21	Antenna Wi (180 Deg)	None					57			
22	Antenna Wi (210 Deg)	None					57			
23	Antenna Wi (240 Deg)	None					57			
24	Antenna Wi (270 Deg)	None					57			
25	Antenna Wi (300 Deg)	None					57			
26	Antenna Wi (330 Deg)	None					57			
27	Antenna Wm (0 Deg)	None					57			
28	Antenna Wm (30 Deg)	None					57			
29	Antenna Wm (60 Deg)	None					57			
30	Antenna Wm (90 Deg)	None					57			
31	Antenna Wm (120 De...	None					57			
32	Antenna Wm (150 De...	None					57			
33	Antenna Wm (180 De...	None					57			
34	Antenna Wm (210 De...	None					57			
35	Antenna Wm (240 De...	None					57			
36	Antenna Wm (270 De...	None					57			
37	Antenna Wm (300 De...	None					57			
38	Antenna Wm (330 De...	None					57			
39	Structure D	None		-1					3	
40	Structure Di	None						52	3	
41	Structure Wo (0 Deg)	None						104		
42	Structure Wo (30 Deg)	None						104		
43	Structure Wo (60 Deg)	None						104		
44	Structure Wo (90 Deg)	None						104		
45	Structure Wo (120 D...	None						104		
46	Structure Wo (150 D...	None						104		
47	Structure Wo (180 D...	None						104		
48	Structure Wo (210 D...	None						104		
49	Structure Wo (240 D...	None						104		
50	Structure Wo (270 D...	None						104		
51	Structure Wo (300 D...	None						104		
52	Structure Wo (330 D...	None						104		
53	Structure Wi (0 Deg)	None						104		
54	Structure Wi (30 Deg)	None						104		
55	Structure Wi (60 Deg)	None						104		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
56	Structure Wi (90 Deg)	None						104		
57	Structure Wi (120 De...	None						104		
58	Structure Wi (150 De...	None						104		
59	Structure Wi (180 De...	None						104		
60	Structure Wi (210 De...	None						104		
61	Structure Wi (240 De...	None						104		
62	Structure Wi (270 De...	None						104		
63	Structure Wi (300 De...	None						104		
64	Structure Wi (330 De...	None						104		
65	Structure Wm (0 Deg)	None						104		
66	Structure Wm (30 De...	None						104		
67	Structure Wm (60 De...	None						104		
68	Structure Wm (90 De...	None						104		
69	Structure Wm (120 D...	None						104		
70	Structure Wm (150 D...	None						104		
71	Structure Wm (180 D...	None						104		
72	Structure Wm (210 D...	None						104		
73	Structure Wm (240 D...	None						104		
74	Structure Wm (270 D...	None						104		
75	Structure Wm (300 D...	None						104		
76	Structure Wm (330 D...	None						104		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						21		
82	BLC 40 Transient Are...	None						21		

Load Combinations

	Description	So...	PDe...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + ...	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										

Load Combinations (Continued)

	Description	So...	PDe...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-6.458333	0	4.129504	0	
2	CENTER	0	0	0	0	
3	N2	6.458333	0	4.129504	0	
4	N3	5.583333	0	4.129504	0	
5	N4	5.583333	0	3.921171	0	
6	N5	5.4375	0	3.921171	0	
7	N6	5.729167	0	3.921171	0	
8	N7	6.260417	0	3.001019	0	
9	N8	6.114583	0	2.748428	0	
10	N9	6.1875	0	2.874723	0	
11	N10	6.367922	0	2.770557	0	
12	N13	0.784589	0	-6.90006	0	
13	N14	0.604167	0	-6.795894	0	
14	N15	0.677083	0	-6.669598	0	
15	N16	0.53125	0	-6.922189	0	
16	N17	-0.53125	0	-6.922189	0	
17	N18	-0.677083	0	-6.669598	0	
18	N19	-0.604167	0	-6.795894	0	
19	N20	-0.784589	0	-6.90006	0	
20	N23	-6.367922	0	2.770557	0	
21	N24	-6.1875	0	2.874723	0	
22	N25	-6.114583	0	2.748428	0	
23	N26	-6.260417	0	3.001019	0	
24	N27	-5.729167	0	3.921171	0	
25	N28	-5.4375	0	3.921171	0	
26	N29	-5.583333	0	3.921171	0	
27	N30	-5.583333	0	4.129504	0	
28	N31	-0.	0	-1.443022	0	
29	N34	-2.239583	0	-3.130522	0	
30	N35	2.239583	0	-3.130522	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
31	N36	-0.	0	-6.922189	0	
32	N51	-1.249694	0	0.721511	0	
33	N54	-1.59132	0	3.504797	0	
34	N55	-3.830904	0	-0.374275	0	
35	N56	-5.994792	0	3.461095	0	
36	N71	1.249694	0	0.721511	0	
37	N74	3.830904	0	-0.374275	0	
38	N75	1.59132	0	3.504797	0	
39	N76	5.994792	0	3.461095	0	
40	N78	1.35151	0	3.920162	0	
41	N193A	0.166667	0	-6.922189	0	
42	N194A	-0.166667	0	-6.922189	0	
43	N195A	-6.078125	0	3.316757	0	
44	N196	-5.911458	0	3.605432	0	
45	N197	5.911458	0	3.605432	0	
46	N198	6.078125	0	3.316757	0	
47	N199	-0.	0	-3.130522	0	
48	N200	-2.711112	0	1.565261	0	
49	N201	2.711112	0	1.565261	0	
50	N130	-5.375	0	4.129504	0	
51	N131	-3.375	0	4.129504	0	
52	N132	2.375	0	4.129504	0	
53	N133	5.375	0	4.129504	0	
54	N134	-5.375	0	4.379504	0	
55	N135	-3.375	0	4.379504	0	
56	N136	2.375	0	4.379504	0	
57	N137	5.375	0	4.379504	0	
58	N146	-5.375	4	4.379504	0	
59	N147	-3.375	4	4.379504	0	
60	N148	2.375	4	4.379504	0	
61	N149	5.375	4	4.379504	0	
62	N150	-5.375	-2	4.379504	0	
63	N151	-3.375	-2	4.379504	0	
64	N152	2.375	-2	4.379504	0	
65	N153	5.375	-2	4.379504	0	
66	N180	-4.367922	0	-0.693545	0	
67	N145	6.805422	0	3.528329	0	
68	N146A	0.347089	0	-7.657833	0	
69	N147A	-0.347089	0	-7.657833	0	
70	N148A	-6.805422	0	3.528329	0	
71	N107	1.66401	0	3.920162	0	
72	N108	-1.35151	0	3.920162	0	
73	N109	-1.66401	0	3.920162	0	
74	N110	-1.580676	0	3.920162	0	
75	N113	1.580676	0	3.920162	0	
76	N115	-1.580676	0	4.129503	0	
77	N117	1.580676	0	4.129503	0	
78	N119	2.719205	0	-3.130522	0	
79	N120	2.562955	0	-3.401155	0	
80	N121	4.070714	0	-0.789639	0	
81	N122	4.226964	0	-0.519006	0	
82	N124	4.185298	0	-0.591175	0	
83	N126	2.604621	0	-3.328987	0	
84	N129	4.366593	0	-0.695846	0	
85	N131A	2.785917	0	-3.433657	0	
86	N133A	-4.070714	0	-0.789639	0	
87	N134A	-4.226964	0	-0.519006	0	
88	N135A	-2.719205	0	-3.130522	0	
89	N136A	-2.562955	0	-3.401155	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
90	N138	-2.604621	0	-3.328987	0	
91	N140	-4.185298	0	-0.591175	0	
92	N143	-2.785917	0	-3.433657	0	
93	N93	6.263755	0	2.590135	0	
94	N94	5.263755	0	0.858084	0	
95	N96	0.888755	0	-6.719639	0	
96	N97	6.480262	0	2.465135	0	
97	N98	5.480262	0	0.733084	0	
98	N100	1.105262	0	-6.844639	0	
99	N101	6.480262	4	2.465135	0	
100	N102	5.480262	4	0.733084	0	
101	N104	1.105262	4	-6.844639	0	
102	N105	6.480262	-2	2.465135	0	
103	N106	5.480262	-2	0.733084	0	
104	N108A	1.105262	-2	-6.844639	0	
105	N109A	-0.888755	0	-6.719639	0	
106	N110A	-1.888755	0	-4.987588	0	
107	N112	-6.263755	0	2.590135	0	
108	N113A	-1.105262	0	-6.844639	0	
109	N114	-2.105262	0	-5.112588	0	
110	N116	-6.480262	0	2.465135	0	
111	N117A	-1.105262	4	-6.844639	0	
112	N118	-2.105262	4	-5.112588	0	
113	N120A	-6.480262	4	2.465135	0	
114	N121A	-1.105262	-2	-6.844639	0	
115	N122A	-2.105262	-2	-5.112588	0	
116	N124A	-6.480262	-2	2.465135	0	
117	N129A	-2.11572	0	1.221511	0	
118	N130A	-2.24072	0	1.005005	0	
119	N131B	-2.24072	-1	1.005005	0	
120	N132A	-2.24072	3	1.005005	0	
121	N129B	-6.25	3	4.129504	0	
122	N130B	6.25	3	4.129504	0	
123	N131C	-5.375	3	4.129504	0	
124	N132B	-3.375	3	4.129504	0	
125	N133B	2.375	3	4.129504	0	
126	N134B	5.375	3	4.129504	0	
127	N135B	-5.375	3	4.379504	0	
128	N136B	-3.375	3	4.379504	0	
129	N137A	2.375	3	4.379504	0	
130	N138A	5.375	3	4.379504	0	
131	N139	-4.25	3	4.129504	0	
132	N140A	-4.25	3	3.962837	0	
133	N141	4.25	3	4.129504	0	
134	N142	4.25	3	3.962837	0	
135	N145A	6.263755	3	2.590135	0	
136	N146B	5.263755	3	0.858084	0	
137	N148B	0.888755	3	-6.719639	0	
138	N149A	6.480262	3	2.465135	0	
139	N150A	5.480262	3	0.733084	0	
140	N152A	1.105262	3	-6.844639	0	
141	N159	-0.888755	3	-6.719639	0	
142	N160	-1.888755	3	-4.987588	0	
143	N162	-6.263755	3	2.590135	0	
144	N163	-1.105262	3	-6.844639	0	
145	N164	-2.105262	3	-5.112588	0	
146	N166	-6.480262	3	2.465135	0	
147	N155A	2.388755	0	-4.121562	0	
148	N156A	2.605262	0	-4.246562	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
149	N157	2.605262	4	-4.246562	0	
150	N158	2.605262	-2	-4.246562	0	
151	N159A	6.701255	3	3.347907	0	
152	N160A	0.451255	3	-7.477411	0	
153	N161	2.388755	3	-4.121562	0	
154	N162A	2.605262	3	-4.246562	0	
155	N163A	-4.763755	0	-0.007942	0	
156	N164A	-4.980262	0	-0.132942	0	
157	N165	-4.980262	4	-0.132942	0	
158	N166A	-4.980262	-2	-0.132942	0	
159	N167A	-0.451255	3	-7.477411	0	
160	N168A	-6.701255	3	3.347907	0	
161	N169A	-4.763755	3	-0.007942	0	
162	N170A	-4.980262	3	-0.132942	0	
163	N166B	5.701255	3	1.615856	0	
164	N167	5.556918	3	1.699189	0	
165	N168B	1.451255	3	-5.74536	0	
166	N169	1.306918	3	-5.662027	0	
167	N171	-1.451255	3	-5.74536	0	
168	N172	-1.306918	3	-5.662027	0	
169	N173	-5.701255	3	1.615856	0	
170	N174	-5.556918	3	1.699189	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
4	Crossmember	HSS4X4X4	Beam	Tube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single An...	A36 Gr.36	Typical	.722	.271	.271	.009
6	Crossmember Pl...	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail Corn...	L3X3X4	Beam	Single An...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Replacement Pipe	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	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M32	N108	N200		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
2	M111	N201	N78		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
3	M21	N34	N36			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
4	M22	N35	N36		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
5	M33	N54	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
6	M34	N55	N56		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M45	N74	N76			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M46	N75	N76		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	MP1A	N149	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N148	N152			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP3A	N147	N151			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	MP4A	N146	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
13	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
14	M19	N36	N31			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
15	M31	N56	N51			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
16	M43	N76	N71			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
17	M3	N5	N6			Corner Plate	Beam	RECT	A36 Gr.36	Typical
18	M4	N6	N7			Corner Plate	Beam	RECT	A36 Gr.36	Typical
19	M5	N7	N8			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M9	N15	N16			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M10	N16	N17			Corner Plate	Beam	RECT	A36 Gr.36	Typical
22	M11	N17	N18			Corner Plate	Beam	RECT	A36 Gr.36	Typical
23	M15	N25	N26			Corner Plate	Beam	RECT	A36 Gr.36	Typical
24	M16	N26	N27			Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M17	N27	N28			Corner Plate	Beam	RECT	A36 Gr.36	Typical
26	M2	N3	N4			RIGID	None	None	RIGID	Typical
27	M6	N9	N10			RIGID	None	None	RIGID	Typical
28	M8	N13	N14			RIGID	None	None	RIGID	Typical
29	M12	N19	N20			RIGID	None	None	RIGID	Typical
30	M14	N23	N24			RIGID	None	None	RIGID	Typical
31	M18	N29	N30			RIGID	None	None	RIGID	Typical
32	M81	N137	N133			RIGID	None	None	RIGID	Typical
33	M82	N136	N132			RIGID	None	None	RIGID	Typical
34	M83	N135	N131			RIGID	None	None	RIGID	Typical
35	M84	N134	N130			RIGID	None	None	RIGID	Typical
36	M80	N145	N146A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
37	M81A	N147A	N148A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
38	M58	N117	N113			RIGID	None	None	RIGID	Typical
39	M59	N115	N110			RIGID	None	None	RIGID	Typical
40	M60	N107	N78			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
41	M61	N109	N108			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
42	M62	N131A	N126			RIGID	None	None	RIGID	Typical
43	M63	N129	N124			RIGID	None	None	RIGID	Typical
44	M64	N120	N119			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
45	M65	N122	N121			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
46	M66	N180	N140			RIGID	None	None	RIGID	Typical
47	M67	N143	N138			RIGID	None	None	RIGID	Typical
48	M68	N134A	N133A			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
49	M69	N136A	N135A			Crossmember ...	Beam	RECT	A36 Gr.36	Typical
50	M66A	N121	N201		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
51	M67A	N199	N119		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
52	M68A	N135A	N199		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
53	M69A	N200	N133A		180	Crossmember	Beam	Tube	A500 Gr.B...	Typical
54	MP1C	N104	N108A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	MP3C	N102	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP4C	N101	N105			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	M58A	N100	N96			RIGID	None	None	RIGID	Typical
58	M60A	N98	N94			RIGID	None	None	RIGID	Typical
59	M61A	N97	N93			RIGID	None	None	RIGID	Typical
60	MP1B	N120A	N124A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
61	MP3B	N118	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP4B	N117A	N121A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M66B	N116	N112			RIGID	None	None	RIGID	Typical
64	M68B	N114	N110A			RIGID	None	None	RIGID	Typical
65	M69B	N113A	N109A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
66	M72	N129A	N130A			RIGID	None	None	RIGID	Typical
67	OVP	N132A	N131B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
68	M72A	N138A	N134B			RIGID	None	None	RIGID	Typical
69	M73	N137A	N133B			RIGID	None	None	RIGID	Typical
70	M74	N136B	N132B			RIGID	None	None	RIGID	Typical
71	M75	N135B	N131C			RIGID	None	None	RIGID	Typical
72	M76	N129B	N130B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
73	M77	N139	N140A			RIGID	None	None	RIGID	Typical
74	M78	N141	N142			RIGID	None	None	RIGID	Typical
75	M79	N152A	N148B			RIGID	None	None	RIGID	Typical
76	M81B	N150A	N146B			RIGID	None	None	RIGID	Typical
77	M82A	N149A	N145A			RIGID	None	None	RIGID	Typical
78	M86	N166	N162			RIGID	None	None	RIGID	Typical
79	M88	N164	N160			RIGID	None	None	RIGID	Typical
80	M89	N163	N159			RIGID	None	None	RIGID	Typical
81	M94	N172	N169		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
82	MP2C	N157	N158			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M89A	N156A	N155A			RIGID	None	None	RIGID	Typical
84	M90	N162A	N161			RIGID	None	None	RIGID	Typical
85	M91A	N159A	N160A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
86	MP2B	N165	N166A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M93A	N164A	N163A			RIGID	None	None	RIGID	Typical
88	M94A	N170A	N169A			RIGID	None	None	RIGID	Typical
89	M95A	N167A	N168A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
90	M90A	N166B	N167			RIGID	None	None	RIGID	Typical
91	M91	N168B	N169			RIGID	None	None	RIGID	Typical
92	M92	N171	N172			RIGID	None	None	RIGID	Typical
93	M93	N173	N174			RIGID	None	None	RIGID	Typical
94	M94B	N140A	N174		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
95	M95	N167	N142		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M32						Yes				None
2	M111						Yes				None
3	M21	BenPIN	BenPIN				Yes				None
4	M22	BenPIN	BenPIN				Yes				None
5	M33	BenPIN	BenPIN				Yes				None
6	M34	BenPIN	BenPIN				Yes				None
7	M45	BenPIN	BenPIN				Yes				None
8	M46	BenPIN	BenPIN				Yes				None
9	MP1A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP3A						Yes	** NA **			None
12	MP4A						Yes	** NA **			None
13	M1						Yes				None
14	M19						Yes				None
15	M31						Yes				None
16	M43						Yes				None
17	M3						Yes				None
18	M4						Yes				None
19	M5						Yes				None
20	M9						Yes				None
21	M10						Yes				None
22	M11						Yes				None
23	M15						Yes				None
24	M16						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
25	M17						Yes				None
26	M2	BenPIN					Yes	** NA **			None
27	M6		BenPIN				Yes	** NA **			None
28	M8	BenPIN					Yes	** NA **			None
29	M12		BenPIN				Yes	** NA **			None
30	M14	BenPIN					Yes	** NA **			None
31	M18		BenPIN				Yes	** NA **			None
32	M81						Yes	** NA **			None
33	M82						Yes	** NA **			None
34	M83						Yes	** NA **			None
35	M84						Yes	** NA **			None
36	M80						Yes				None
37	M81A						Yes				None
38	M58	BenPIN					Yes	** NA **			None
39	M59	BenPIN					Yes	** NA **			None
40	M60						Yes				None
41	M61						Yes				None
42	M62	BenPIN					Yes	** NA **			None
43	M63	BenPIN					Yes	** NA **			None
44	M64						Yes				None
45	M65						Yes				None
46	M66	BenPIN					Yes	** NA **			None
47	M67	BenPIN					Yes	** NA **			None
48	M68						Yes				None
49	M69						Yes				None
50	M66A						Yes				None
51	M67A						Yes				None
52	M68A						Yes				None
53	M69A						Yes				None
54	MP1C						Yes	** NA **			None
55	MP3C						Yes	** NA **			None
56	MP4C						Yes	** NA **			None
57	M58A						Yes	** NA **			None
58	M60A						Yes	** NA **			None
59	M61A						Yes	** NA **			None
60	MP1B						Yes	** NA **			None
61	MP3B						Yes	** NA **			None
62	MP4B						Yes	** NA **			None
63	M66B						Yes	** NA **			None
64	M68B						Yes	** NA **			None
65	M69B						Yes	** NA **			None
66	M72						Yes	** NA **			None
67	OVP						Yes	** NA **			None
68	M72A						Yes	** NA **			None
69	M73						Yes	** NA **			None
70	M74						Yes	** NA **			None
71	M75						Yes	** NA **			None
72	M76						Yes				None
73	M77	OOOOOX					Yes	** NA **			None
74	M78	OOOOOX					Yes	** NA **			None
75	M79						Yes	** NA **			None
76	M81B						Yes	** NA **			None
77	M82A						Yes	** NA **			None
78	M86						Yes	** NA **			None
79	M88						Yes	** NA **			None
80	M89						Yes	** NA **			None
81	M94						Yes	Default			None
82	MP2C						Yes	** NA **			None
83	M89A						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...
84	M90						Yes	** NA **			None
85	M91A						Yes				None
86	MP2B						Yes	** NA **			None
87	M93A						Yes	** NA **			None
88	M94A						Yes	** NA **			None
89	M95A						Yes				None
90	M90A	OOOOOX					Yes	** NA **			None
91	M91	OOOOOX					Yes	** NA **			None
92	M92	OOOOOX					Yes	** NA **			None
93	M93	OOOOOX					Yes	** NA **			None
94	M94B						Yes	Default			None
95	M95						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.55	2.38
2	MP2A	My	-.022	2.38
3	MP2A	Mz	0	2.38
4	MP2A	Y	-43.55	3.63
5	MP2A	My	-.022	3.63
6	MP2A	Mz	0	3.63
7	MP2B	Y	-43.55	2.38
8	MP2B	My	.011	2.38
9	MP2B	Mz	-.019	2.38
10	MP2B	Y	-43.55	3.63
11	MP2B	My	.011	3.63
12	MP2B	Mz	-.019	3.63
13	MP2C	Y	-43.55	2.38
14	MP2C	My	.011	2.38
15	MP2C	Mz	.019	2.38
16	MP2C	Y	-43.55	3.63
17	MP2C	My	.011	3.63
18	MP2C	Mz	.019	3.63
19	MP3A	Y	-51.05	.5
20	MP3A	My	-.026	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-51.05	5.5
23	MP3A	My	-.026	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-51.05	.5
26	MP3B	My	.013	.5
27	MP3B	Mz	-.022	.5
28	MP3B	Y	-51.05	5.5
29	MP3B	My	.013	5.5
30	MP3B	Mz	-.022	5.5
31	MP3C	Y	-51.05	.5
32	MP3C	My	.013	.5
33	MP3C	Mz	.022	.5
34	MP3C	Y	-51.05	5.5
35	MP3C	My	.013	5.5
36	MP3C	Mz	.022	5.5
37	OVP	Y	-32	1.5
38	OVP	My	0	1.5
39	OVP	Mz	0	1.5
40	MP4A	Y	-84.4	3
41	MP4A	My	-.042	3
42	MP4A	Mz	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4B	Y	-84.4	3
44	MP4B	My	.021	3
45	MP4B	Mz	-.037	3
46	MP4C	Y	-84.4	3
47	MP4C	My	.021	3
48	MP4C	Mz	.037	3
49	MP3A	Y	-70.3	3
50	MP3A	My	-.035	3
51	MP3A	Mz	0	3
52	MP3B	Y	-70.3	3
53	MP3B	My	.018	3
54	MP3B	Mz	-.03	3
55	MP3C	Y	-70.3	3
56	MP3C	My	.018	3
57	MP3C	Mz	.03	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-35.859	2.38
2	MP2A	My	-.018	2.38
3	MP2A	Mz	0	2.38
4	MP2A	Y	-35.859	3.63
5	MP2A	My	-.018	3.63
6	MP2A	Mz	0	3.63
7	MP2B	Y	-35.859	2.38
8	MP2B	My	.009	2.38
9	MP2B	Mz	-.016	2.38
10	MP2B	Y	-35.859	3.63
11	MP2B	My	.009	3.63
12	MP2B	Mz	-.016	3.63
13	MP2C	Y	-35.859	2.38
14	MP2C	My	.009	2.38
15	MP2C	Mz	.016	2.38
16	MP2C	Y	-35.859	3.63
17	MP2C	My	.009	3.63
18	MP2C	Mz	.016	3.63
19	MP3A	Y	-113.308	.5
20	MP3A	My	-.057	.5
21	MP3A	Mz	0	.5
22	MP3A	Y	-113.308	5.5
23	MP3A	My	-.057	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	-113.308	.5
26	MP3B	My	.028	.5
27	MP3B	Mz	-.049	.5
28	MP3B	Y	-113.308	5.5
29	MP3B	My	.028	5.5
30	MP3B	Mz	-.049	5.5
31	MP3C	Y	-113.308	.5
32	MP3C	My	.028	.5
33	MP3C	Mz	.049	.5
34	MP3C	Y	-113.308	5.5
35	MP3C	My	.028	5.5
36	MP3C	Mz	.049	5.5
37	OVP	Y	-88.508	1.5
38	OVP	My	0	1.5
39	OVP	Mz	0	1.5
40	MP4A	Y	-45.214	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	My	-.023	3
42	MP4A	Mz	0	3
43	MP4B	Y	-45.214	3
44	MP4B	My	.011	3
45	MP4B	Mz	-.02	3
46	MP4C	Y	-45.214	3
47	MP4C	My	.011	3
48	MP4C	Mz	.02	3
49	MP3A	Y	-40.663	3
50	MP3A	My	-.02	3
51	MP3A	Mz	0	3
52	MP3B	Y	-40.663	3
53	MP3B	My	.01	3
54	MP3B	Mz	-.018	3
55	MP3C	Y	-40.663	3
56	MP3C	My	.01	3
57	MP3C	Mz	.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-96.015	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-96.015	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-52.196	2.38
9	MP2B	Mx	.023	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-52.196	3.63
12	MP2B	Mx	.023	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-52.196	2.38
15	MP2C	Mx	-.023	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-52.196	3.63
18	MP2C	Mx	-.023	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-348.717	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-348.717	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-212.816	.5
27	MP3B	Mx	.092	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-212.816	5.5
30	MP3B	Mx	.092	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-212.816	.5
33	MP3C	Mx	-.092	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-212.816	5.5
36	MP3C	Mx	-.092	5.5
37	OVP	X	0	1.5
38	OVP	Z	-156.049	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-76.403	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-57.405	3
45	MP4B	Mx	.025	3
46	MP4C	X	0	3
47	MP4C	Z	-57.405	3
48	MP4C	Mx	-.025	3
49	MP3A	X	0	3
50	MP3A	Z	-76.403	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-50.127	3
54	MP3B	Mx	.022	3
55	MP3C	X	0	3
56	MP3C	Z	-50.127	3
57	MP3C	Mx	-.022	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	40.704	2.38
2	MP2A	Z	-70.502	2.38
3	MP2A	Mx	-.02	2.38
4	MP2A	X	40.704	3.63
5	MP2A	Z	-70.502	3.63
6	MP2A	Mx	-.02	3.63
7	MP2B	X	18.795	2.38
8	MP2B	Z	-32.554	2.38
9	MP2B	Mx	.019	2.38
10	MP2B	X	18.795	3.63
11	MP2B	Z	-32.554	3.63
12	MP2B	Mx	.019	3.63
13	MP2C	X	40.704	2.38
14	MP2C	Z	-70.502	2.38
15	MP2C	Mx	-.02	2.38
16	MP2C	X	40.704	3.63
17	MP2C	Z	-70.502	3.63
18	MP2C	Mx	-.02	3.63
19	MP3A	X	151.708	.5
20	MP3A	Z	-262.767	.5
21	MP3A	Mx	-.076	.5
22	MP3A	X	151.708	5.5
23	MP3A	Z	-262.767	5.5
24	MP3A	Mx	-.076	5.5
25	MP3B	X	83.758	.5
26	MP3B	Z	-145.072	.5
27	MP3B	Mx	.084	.5
28	MP3B	X	83.758	5.5
29	MP3B	Z	-145.072	5.5
30	MP3B	Mx	.084	5.5
31	MP3C	X	151.708	.5
32	MP3C	Z	-262.767	.5
33	MP3C	Mx	-.076	.5
34	MP3C	X	151.708	5.5
35	MP3C	Z	-262.767	5.5
36	MP3C	Mx	-.076	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	OVP	X	68.193	1.5
38	OVP	Z	-118.114	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	35.035	3
41	MP4A	Z	-60.683	3
42	MP4A	Mx	-.018	3
43	MP4B	X	25.536	3
44	MP4B	Z	-44.229	3
45	MP4B	Mx	.026	3
46	MP4C	X	35.035	3
47	MP4C	Z	-60.683	3
48	MP4C	Mx	-.018	3
49	MP3A	X	33.822	3
50	MP3A	Z	-58.582	3
51	MP3A	Mx	-.017	3
52	MP3B	X	20.684	3
53	MP3B	Z	-35.826	3
54	MP3B	Mx	.021	3
55	MP3C	X	33.822	3
56	MP3C	Z	-58.582	3
57	MP3C	Mx	-.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	45.203	2.38
2	MP2A	Z	-26.098	2.38
3	MP2A	Mx	-.023	2.38
4	MP2A	X	45.203	3.63
5	MP2A	Z	-26.098	3.63
6	MP2A	Mx	-.023	3.63
7	MP2B	X	45.203	2.38
8	MP2B	Z	-26.098	2.38
9	MP2B	Mx	.023	2.38
10	MP2B	X	45.203	3.63
11	MP2B	Z	-26.098	3.63
12	MP2B	Mx	.023	3.63
13	MP2C	X	83.151	2.38
14	MP2C	Z	-48.007	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	83.151	3.63
17	MP2C	Z	-48.007	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	184.304	.5
20	MP3A	Z	-106.408	.5
21	MP3A	Mx	-.092	.5
22	MP3A	X	184.304	5.5
23	MP3A	Z	-106.408	5.5
24	MP3A	Mx	-.092	5.5
25	MP3B	X	184.304	.5
26	MP3B	Z	-106.408	.5
27	MP3B	Mx	.092	.5
28	MP3B	X	184.304	5.5
29	MP3B	Z	-106.408	5.5
30	MP3B	Mx	.092	5.5
31	MP3C	X	301.998	.5
32	MP3C	Z	-174.359	.5
33	MP3C	Mx	0	.5
34	MP3C	X	301.998	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-174.359	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	109.6	1.5
38	OVP	Z	-63.278	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	49.714	3
41	MP4A	Z	-28.702	3
42	MP4A	Mx	-.025	3
43	MP4B	X	49.714	3
44	MP4B	Z	-28.702	3
45	MP4B	Mx	.025	3
46	MP4C	X	66.167	3
47	MP4C	Z	-38.202	3
48	MP4C	Mx	0	3
49	MP3A	X	43.411	3
50	MP3A	Z	-25.063	3
51	MP3A	Mx	-.022	3
52	MP3B	X	43.411	3
53	MP3B	Z	-25.063	3
54	MP3B	Mx	.022	3
55	MP3C	X	66.167	3
56	MP3C	Z	-38.202	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.59	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.019	2.38
4	MP2A	X	37.59	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.019	3.63
7	MP2B	X	81.408	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	.02	2.38
10	MP2B	X	81.408	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.02	3.63
13	MP2C	X	81.408	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.02	2.38
16	MP2C	X	81.408	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.02	3.63
19	MP3A	X	167.515	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.084	.5
22	MP3A	X	167.515	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.084	5.5
25	MP3B	X	303.417	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.076	.5
28	MP3B	X	303.417	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.076	5.5
31	MP3C	X	303.417	.5
32	MP3C	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.076	.5
34	MP3C	X	303.417	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.076	5.5
37	OVP	X	136.387	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	51.072	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.026	3
43	MP4B	X	70.07	3
44	MP4B	Z	0	3
45	MP4B	Mx	.018	3
46	MP4C	X	70.07	3
47	MP4C	Z	0	3
48	MP4C	Mx	.018	3
49	MP3A	X	41.368	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.021	3
52	MP3B	X	67.644	3
53	MP3B	Z	0	3
54	MP3B	Mx	.017	3
55	MP3C	X	67.644	3
56	MP3C	Z	0	3
57	MP3C	Mx	.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	45.203	2.38
2	MP2A	Z	26.098	2.38
3	MP2A	Mx	-.023	2.38
4	MP2A	X	45.203	3.63
5	MP2A	Z	26.098	3.63
6	MP2A	Mx	-.023	3.63
7	MP2B	X	83.151	2.38
8	MP2B	Z	48.007	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	83.151	3.63
11	MP2B	Z	48.007	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	45.203	2.38
14	MP2C	Z	26.098	2.38
15	MP2C	Mx	.023	2.38
16	MP2C	X	45.203	3.63
17	MP2C	Z	26.098	3.63
18	MP2C	Mx	.023	3.63
19	MP3A	X	184.304	.5
20	MP3A	Z	106.408	.5
21	MP3A	Mx	-.092	.5
22	MP3A	X	184.304	5.5
23	MP3A	Z	106.408	5.5
24	MP3A	Mx	-.092	5.5
25	MP3B	X	301.998	.5
26	MP3B	Z	174.359	.5
27	MP3B	Mx	0	.5
28	MP3B	X	301.998	5.5
29	MP3B	Z	174.359	5.5
30	MP3B	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	184.304	.5
32	MP3C	Z	106.408	.5
33	MP3C	Mx	.092	.5
34	MP3C	X	184.304	5.5
35	MP3C	Z	106.408	5.5
36	MP3C	Mx	.092	5.5
37	OVP	X	135.143	1.5
38	OVP	Z	78.025	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	49.714	3
41	MP4A	Z	28.702	3
42	MP4A	Mx	-.025	3
43	MP4B	X	66.167	3
44	MP4B	Z	38.202	3
45	MP4B	Mx	0	3
46	MP4C	X	49.714	3
47	MP4C	Z	28.702	3
48	MP4C	Mx	.025	3
49	MP3A	X	43.411	3
50	MP3A	Z	25.063	3
51	MP3A	Mx	-.022	3
52	MP3B	X	66.167	3
53	MP3B	Z	38.202	3
54	MP3B	Mx	0	3
55	MP3C	X	43.411	3
56	MP3C	Z	25.063	3
57	MP3C	Mx	.022	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	40.704	2.38
2	MP2A	Z	70.502	2.38
3	MP2A	Mx	-.02	2.38
4	MP2A	X	40.704	3.63
5	MP2A	Z	70.502	3.63
6	MP2A	Mx	-.02	3.63
7	MP2B	X	40.704	2.38
8	MP2B	Z	70.502	2.38
9	MP2B	Mx	-.02	2.38
10	MP2B	X	40.704	3.63
11	MP2B	Z	70.502	3.63
12	MP2B	Mx	-.02	3.63
13	MP2C	X	18.795	2.38
14	MP2C	Z	32.554	2.38
15	MP2C	Mx	.019	2.38
16	MP2C	X	18.795	3.63
17	MP2C	Z	32.554	3.63
18	MP2C	Mx	.019	3.63
19	MP3A	X	151.708	.5
20	MP3A	Z	262.767	.5
21	MP3A	Mx	-.076	.5
22	MP3A	X	151.708	5.5
23	MP3A	Z	262.767	5.5
24	MP3A	Mx	-.076	5.5
25	MP3B	X	151.708	.5
26	MP3B	Z	262.767	.5
27	MP3B	Mx	-.076	.5
28	MP3B	X	151.708	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	262.767	5.5
30	MP3B	Mx	-.076	5.5
31	MP3C	X	83.758	.5
32	MP3C	Z	145.072	.5
33	MP3C	Mx	.084	.5
34	MP3C	X	83.758	5.5
35	MP3C	Z	145.072	5.5
36	MP3C	Mx	.084	5.5
37	OVP	X	82.94	1.5
38	OVP	Z	143.657	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	35.035	3
41	MP4A	Z	60.683	3
42	MP4A	Mx	-.018	3
43	MP4B	X	35.035	3
44	MP4B	Z	60.683	3
45	MP4B	Mx	-.018	3
46	MP4C	X	25.536	3
47	MP4C	Z	44.229	3
48	MP4C	Mx	.026	3
49	MP3A	X	33.822	3
50	MP3A	Z	58.582	3
51	MP3A	Mx	-.017	3
52	MP3B	X	33.822	3
53	MP3B	Z	58.582	3
54	MP3B	Mx	-.017	3
55	MP3C	X	20.684	3
56	MP3C	Z	35.826	3
57	MP3C	Mx	.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	96.015	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	96.015	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	52.196	2.38
9	MP2B	Mx	-.023	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	52.196	3.63
12	MP2B	Mx	-.023	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	52.196	2.38
15	MP2C	Mx	.023	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	52.196	3.63
18	MP2C	Mx	.023	3.63
19	MP3A	X	0	.5
20	MP3A	Z	348.717	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	348.717	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	212.816	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	-.092	.5
28	MP3B	X	0	5.5
29	MP3B	Z	212.816	5.5
30	MP3B	Mx	-.092	5.5
31	MP3C	X	0	.5
32	MP3C	Z	212.816	.5
33	MP3C	Mx	.092	.5
34	MP3C	X	0	5.5
35	MP3C	Z	212.816	5.5
36	MP3C	Mx	.092	5.5
37	OVP	X	0	1.5
38	OVP	Z	156.049	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	76.403	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	57.405	3
45	MP4B	Mx	-.025	3
46	MP4C	X	0	3
47	MP4C	Z	57.405	3
48	MP4C	Mx	.025	3
49	MP3A	X	0	3
50	MP3A	Z	76.403	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	50.127	3
54	MP3B	Mx	-.022	3
55	MP3C	X	0	3
56	MP3C	Z	50.127	3
57	MP3C	Mx	.022	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-40.704	2.38
2	MP2A	Z	70.502	2.38
3	MP2A	Mx	.02	2.38
4	MP2A	X	-40.704	3.63
5	MP2A	Z	70.502	3.63
6	MP2A	Mx	.02	3.63
7	MP2B	X	-18.795	2.38
8	MP2B	Z	32.554	2.38
9	MP2B	Mx	-.019	2.38
10	MP2B	X	-18.795	3.63
11	MP2B	Z	32.554	3.63
12	MP2B	Mx	-.019	3.63
13	MP2C	X	-40.704	2.38
14	MP2C	Z	70.502	2.38
15	MP2C	Mx	.02	2.38
16	MP2C	X	-40.704	3.63
17	MP2C	Z	70.502	3.63
18	MP2C	Mx	.02	3.63
19	MP3A	X	-151.708	.5
20	MP3A	Z	262.767	.5
21	MP3A	Mx	.076	.5
22	MP3A	X	-151.708	5.5
23	MP3A	Z	262.767	5.5
24	MP3A	Mx	.076	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-83.758	.5
26	MP3B	Z	145.072	.5
27	MP3B	Mx	-.084	.5
28	MP3B	X	-83.758	5.5
29	MP3B	Z	145.072	5.5
30	MP3B	Mx	-.084	5.5
31	MP3C	X	-151.708	.5
32	MP3C	Z	262.767	.5
33	MP3C	Mx	.076	.5
34	MP3C	X	-151.708	5.5
35	MP3C	Z	262.767	5.5
36	MP3C	Mx	.076	5.5
37	OVP	X	-68.193	1.5
38	OVP	Z	118.114	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-35.035	3
41	MP4A	Z	60.683	3
42	MP4A	Mx	.018	3
43	MP4B	X	-25.536	3
44	MP4B	Z	44.229	3
45	MP4B	Mx	-.026	3
46	MP4C	X	-35.035	3
47	MP4C	Z	60.683	3
48	MP4C	Mx	.018	3
49	MP3A	X	-33.822	3
50	MP3A	Z	58.582	3
51	MP3A	Mx	.017	3
52	MP3B	X	-20.684	3
53	MP3B	Z	35.826	3
54	MP3B	Mx	-.021	3
55	MP3C	X	-33.822	3
56	MP3C	Z	58.582	3
57	MP3C	Mx	.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-45.203	2.38
2	MP2A	Z	26.098	2.38
3	MP2A	Mx	.023	2.38
4	MP2A	X	-45.203	3.63
5	MP2A	Z	26.098	3.63
6	MP2A	Mx	.023	3.63
7	MP2B	X	-45.203	2.38
8	MP2B	Z	26.098	2.38
9	MP2B	Mx	-.023	2.38
10	MP2B	X	-45.203	3.63
11	MP2B	Z	26.098	3.63
12	MP2B	Mx	-.023	3.63
13	MP2C	X	-83.151	2.38
14	MP2C	Z	48.007	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-83.151	3.63
17	MP2C	Z	48.007	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-184.304	.5
20	MP3A	Z	106.408	.5
21	MP3A	Mx	.092	.5
22	MP3A	X	-184.304	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	106.408	5.5
24	MP3A	Mx	.092	5.5
25	MP3B	X	-184.304	.5
26	MP3B	Z	106.408	.5
27	MP3B	Mx	-.092	.5
28	MP3B	X	-184.304	5.5
29	MP3B	Z	106.408	5.5
30	MP3B	Mx	-.092	5.5
31	MP3C	X	-301.998	.5
32	MP3C	Z	174.359	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-301.998	5.5
35	MP3C	Z	174.359	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-109.6	1.5
38	OVP	Z	63.278	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-49.714	3
41	MP4A	Z	28.702	3
42	MP4A	Mx	.025	3
43	MP4B	X	-49.714	3
44	MP4B	Z	28.702	3
45	MP4B	Mx	-.025	3
46	MP4C	X	-66.167	3
47	MP4C	Z	38.202	3
48	MP4C	Mx	0	3
49	MP3A	X	-43.411	3
50	MP3A	Z	25.063	3
51	MP3A	Mx	.022	3
52	MP3B	X	-43.411	3
53	MP3B	Z	25.063	3
54	MP3B	Mx	-.022	3
55	MP3C	X	-66.167	3
56	MP3C	Z	38.202	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.59	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.019	2.38
4	MP2A	X	-37.59	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	.019	3.63
7	MP2B	X	-81.408	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.02	2.38
10	MP2B	X	-81.408	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.02	3.63
13	MP2C	X	-81.408	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.02	2.38
16	MP2C	X	-81.408	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.02	3.63
19	MP3A	X	-167.515	.5
20	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	.084	.5
22	MP3A	X	-167.515	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.084	5.5
25	MP3B	X	-303.417	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.076	.5
28	MP3B	X	-303.417	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.076	5.5
31	MP3C	X	-303.417	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.076	.5
34	MP3C	X	-303.417	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.076	5.5
37	OVP	X	-136.387	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-51.072	3
41	MP4A	Z	0	3
42	MP4A	Mx	.026	3
43	MP4B	X	-70.07	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.018	3
46	MP4C	X	-70.07	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.018	3
49	MP3A	X	-41.368	3
50	MP3A	Z	0	3
51	MP3A	Mx	.021	3
52	MP3B	X	-67.644	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.017	3
55	MP3C	X	-67.644	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-45.203	2.38
2	MP2A	Z	-26.098	2.38
3	MP2A	Mx	.023	2.38
4	MP2A	X	-45.203	3.63
5	MP2A	Z	-26.098	3.63
6	MP2A	Mx	.023	3.63
7	MP2B	X	-83.151	2.38
8	MP2B	Z	-48.007	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	-83.151	3.63
11	MP2B	Z	-48.007	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-45.203	2.38
14	MP2C	Z	-26.098	2.38
15	MP2C	Mx	-.023	2.38
16	MP2C	X	-45.203	3.63
17	MP2C	Z	-26.098	3.63
18	MP2C	Mx	-.023	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	-184.304	.5
20	MP3A	Z	-106.408	.5
21	MP3A	Mx	.092	.5
22	MP3A	X	-184.304	5.5
23	MP3A	Z	-106.408	5.5
24	MP3A	Mx	.092	5.5
25	MP3B	X	-301.998	.5
26	MP3B	Z	-174.359	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-301.998	5.5
29	MP3B	Z	-174.359	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-184.304	.5
32	MP3C	Z	-106.408	.5
33	MP3C	Mx	-.092	.5
34	MP3C	X	-184.304	5.5
35	MP3C	Z	-106.408	5.5
36	MP3C	Mx	-.092	5.5
37	OVP	X	-135.143	1.5
38	OVP	Z	-78.025	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-49.714	3
41	MP4A	Z	-28.702	3
42	MP4A	Mx	.025	3
43	MP4B	X	-66.167	3
44	MP4B	Z	-38.202	3
45	MP4B	Mx	0	3
46	MP4C	X	-49.714	3
47	MP4C	Z	-28.702	3
48	MP4C	Mx	-.025	3
49	MP3A	X	-43.411	3
50	MP3A	Z	-25.063	3
51	MP3A	Mx	.022	3
52	MP3B	X	-66.167	3
53	MP3B	Z	-38.202	3
54	MP3B	Mx	0	3
55	MP3C	X	-43.411	3
56	MP3C	Z	-25.063	3
57	MP3C	Mx	-.022	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-40.704	2.38
2	MP2A	Z	-70.502	2.38
3	MP2A	Mx	.02	2.38
4	MP2A	X	-40.704	3.63
5	MP2A	Z	-70.502	3.63
6	MP2A	Mx	.02	3.63
7	MP2B	X	-40.704	2.38
8	MP2B	Z	-70.502	2.38
9	MP2B	Mx	.02	2.38
10	MP2B	X	-40.704	3.63
11	MP2B	Z	-70.502	3.63
12	MP2B	Mx	.02	3.63
13	MP2C	X	-18.795	2.38
14	MP2C	Z	-32.554	2.38
15	MP2C	Mx	-.019	2.38
16	MP2C	X	-18.795	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-32.554	3.63
18	MP2C	Mx	-.019	3.63
19	MP3A	X	-151.708	.5
20	MP3A	Z	-262.767	.5
21	MP3A	Mx	.076	.5
22	MP3A	X	-151.708	5.5
23	MP3A	Z	-262.767	5.5
24	MP3A	Mx	.076	5.5
25	MP3B	X	-151.708	.5
26	MP3B	Z	-262.767	.5
27	MP3B	Mx	.076	.5
28	MP3B	X	-151.708	5.5
29	MP3B	Z	-262.767	5.5
30	MP3B	Mx	.076	5.5
31	MP3C	X	-83.758	.5
32	MP3C	Z	-145.072	.5
33	MP3C	Mx	-.084	.5
34	MP3C	X	-83.758	5.5
35	MP3C	Z	-145.072	5.5
36	MP3C	Mx	-.084	5.5
37	OVP	X	-82.94	1.5
38	OVP	Z	-143.657	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-35.035	3
41	MP4A	Z	-60.683	3
42	MP4A	Mx	.018	3
43	MP4B	X	-35.035	3
44	MP4B	Z	-60.683	3
45	MP4B	Mx	.018	3
46	MP4C	X	-25.536	3
47	MP4C	Z	-44.229	3
48	MP4C	Mx	-.026	3
49	MP3A	X	-33.822	3
50	MP3A	Z	-58.582	3
51	MP3A	Mx	.017	3
52	MP3B	X	-33.822	3
53	MP3B	Z	-58.582	3
54	MP3B	Mx	.017	3
55	MP3C	X	-20.684	3
56	MP3C	Z	-35.826	3
57	MP3C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-19.824	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-19.824	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-11.292	2.38
9	MP2B	Mx	.005	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-11.292	3.63
12	MP2B	Mx	.005	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-11.292	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.005	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-11.292	3.63
18	MP2C	Mx	-.005	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-68.08	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-68.08	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-42.826	.5
27	MP3B	Mx	.019	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-42.826	5.5
30	MP3B	Mx	.019	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-42.826	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-42.826	5.5
36	MP3C	Mx	-.019	5.5
37	OVP	X	0	1.5
38	OVP	Z	-32.466	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-16.713	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-12.9	3
45	MP4B	Mx	.006	3
46	MP4C	X	0	3
47	MP4C	Z	-12.9	3
48	MP4C	Mx	-.006	3
49	MP3A	X	0	3
50	MP3A	Z	-16.713	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-11.451	3
54	MP3B	Mx	.005	3
55	MP3C	X	0	3
56	MP3C	Z	-11.451	3
57	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.49	2.38
2	MP2A	Z	-14.705	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.49	3.63
5	MP2A	Z	-14.705	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	4.224	2.38
8	MP2B	Z	-7.317	2.38
9	MP2B	Mx	.004	2.38
10	MP2B	X	4.224	3.63
11	MP2B	Z	-7.317	3.63
12	MP2B	Mx	.004	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	8.49	2.38
14	MP2C	Z	-14.705	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	8.49	3.63
17	MP2C	Z	-14.705	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	29.831	.5
20	MP3A	Z	-51.669	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	29.831	5.5
23	MP3A	Z	-51.669	5.5
24	MP3A	Mx	-.015	5.5
25	MP3B	X	17.204	.5
26	MP3B	Z	-29.799	.5
27	MP3B	Mx	.017	.5
28	MP3B	X	17.204	5.5
29	MP3B	Z	-29.799	5.5
30	MP3B	Mx	.017	5.5
31	MP3C	X	29.831	.5
32	MP3C	Z	-51.669	.5
33	MP3C	Mx	-.015	.5
34	MP3C	X	29.831	5.5
35	MP3C	Z	-51.669	5.5
36	MP3C	Mx	-.015	5.5
37	OVP	X	14.363	1.5
38	OVP	Z	-24.877	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	7.721	3
41	MP4A	Z	-13.373	3
42	MP4A	Mx	-.004	3
43	MP4B	X	5.814	3
44	MP4B	Z	-10.071	3
45	MP4B	Mx	.006	3
46	MP4C	X	7.721	3
47	MP4C	Z	-13.373	3
48	MP4C	Mx	-.004	3
49	MP3A	X	7.48	3
50	MP3A	Z	-12.955	3
51	MP3A	Mx	-.004	3
52	MP3B	X	4.848	3
53	MP3B	Z	-8.397	3
54	MP3B	Mx	.005	3
55	MP3C	X	7.48	3
56	MP3C	Z	-12.955	3
57	MP3C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.779	2.38
2	MP2A	Z	-5.646	2.38
3	MP2A	Mx	-.005	2.38
4	MP2A	X	9.779	3.63
5	MP2A	Z	-5.646	3.63
6	MP2A	Mx	-.005	3.63
7	MP2B	X	9.779	2.38
8	MP2B	Z	-5.646	2.38
9	MP2B	Mx	.005	2.38
10	MP2B	X	9.779	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-5.646	3.63
12	MP2B	Mx	.005	3.63
13	MP2C	X	17.168	2.38
14	MP2C	Z	-9.912	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	17.168	3.63
17	MP2C	Z	-9.912	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	37.089	.5
20	MP3A	Z	-21.413	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	37.089	5.5
23	MP3A	Z	-21.413	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	37.089	.5
26	MP3B	Z	-21.413	.5
27	MP3B	Mx	.019	.5
28	MP3B	X	37.089	5.5
29	MP3B	Z	-21.413	5.5
30	MP3B	Mx	.019	5.5
31	MP3C	X	58.959	.5
32	MP3C	Z	-34.04	.5
33	MP3C	Mx	0	.5
34	MP3C	X	58.959	5.5
35	MP3C	Z	-34.04	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	23.257	1.5
38	OVP	Z	-13.427	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	11.172	3
41	MP4A	Z	-6.45	3
42	MP4A	Mx	-.006	3
43	MP4B	X	11.172	3
44	MP4B	Z	-6.45	3
45	MP4B	Mx	.006	3
46	MP4C	X	14.474	3
47	MP4C	Z	-8.357	3
48	MP4C	Mx	0	3
49	MP3A	X	9.917	3
50	MP3A	Z	-5.725	3
51	MP3A	Mx	-.005	3
52	MP3B	X	9.917	3
53	MP3B	Z	-5.725	3
54	MP3B	Mx	.005	3
55	MP3C	X	14.474	3
56	MP3C	Z	-8.357	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.449	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.449	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	16.98	2.38
8	MP2B	Z	0	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.004	2.38
10	MP2B	X	16.98	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.004	3.63
13	MP2C	X	16.98	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	16.98	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	34.408	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.017	.5
22	MP3A	X	34.408	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.017	5.5
25	MP3B	X	59.662	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	59.662	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.015	5.5
31	MP3C	X	59.662	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.015	.5
34	MP3C	X	59.662	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.015	5.5
37	OVP	X	28.725	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	11.629	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.006	3
43	MP4B	X	15.442	3
44	MP4B	Z	0	3
45	MP4B	Mx	.004	3
46	MP4C	X	15.442	3
47	MP4C	Z	0	3
48	MP4C	Mx	.004	3
49	MP3A	X	9.696	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.005	3
52	MP3B	X	14.959	3
53	MP3B	Z	0	3
54	MP3B	Mx	.004	3
55	MP3C	X	14.959	3
56	MP3C	Z	0	3
57	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.779	2.38
2	MP2A	Z	5.646	2.38
3	MP2A	Mx	-.005	2.38
4	MP2A	X	9.779	3.63
5	MP2A	Z	5.646	3.63
6	MP2A	Mx	-.005	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	17.168	2.38
8	MP2B	Z	9.912	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	17.168	3.63
11	MP2B	Z	9.912	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	9.779	2.38
14	MP2C	Z	5.646	2.38
15	MP2C	Mx	.005	2.38
16	MP2C	X	9.779	3.63
17	MP2C	Z	5.646	3.63
18	MP2C	Mx	.005	3.63
19	MP3A	X	37.089	.5
20	MP3A	Z	21.413	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	37.089	5.5
23	MP3A	Z	21.413	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	58.959	.5
26	MP3B	Z	34.04	.5
27	MP3B	Mx	0	.5
28	MP3B	X	58.959	5.5
29	MP3B	Z	34.04	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	37.089	.5
32	MP3C	Z	21.413	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	37.089	5.5
35	MP3C	Z	21.413	5.5
36	MP3C	Mx	.019	5.5
37	OVP	X	28.117	1.5
38	OVP	Z	16.233	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	11.172	3
41	MP4A	Z	6.45	3
42	MP4A	Mx	-.006	3
43	MP4B	X	14.474	3
44	MP4B	Z	8.357	3
45	MP4B	Mx	0	3
46	MP4C	X	11.172	3
47	MP4C	Z	6.45	3
48	MP4C	Mx	.006	3
49	MP3A	X	9.917	3
50	MP3A	Z	5.725	3
51	MP3A	Mx	-.005	3
52	MP3B	X	14.474	3
53	MP3B	Z	8.357	3
54	MP3B	Mx	0	3
55	MP3C	X	9.917	3
56	MP3C	Z	5.725	3
57	MP3C	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.49	2.38
2	MP2A	Z	14.705	2.38
3	MP2A	Mx	-.004	2.38
4	MP2A	X	8.49	3.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	14.705	3.63
6	MP2A	Mx	-.004	3.63
7	MP2B	X	8.49	2.38
8	MP2B	Z	14.705	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	8.49	3.63
11	MP2B	Z	14.705	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	4.224	2.38
14	MP2C	Z	7.317	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	4.224	3.63
17	MP2C	Z	7.317	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	29.831	.5
20	MP3A	Z	51.669	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	29.831	5.5
23	MP3A	Z	51.669	5.5
24	MP3A	Mx	-.015	5.5
25	MP3B	X	29.831	.5
26	MP3B	Z	51.669	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	29.831	5.5
29	MP3B	Z	51.669	5.5
30	MP3B	Mx	-.015	5.5
31	MP3C	X	17.204	.5
32	MP3C	Z	29.799	.5
33	MP3C	Mx	.017	.5
34	MP3C	X	17.204	5.5
35	MP3C	Z	29.799	5.5
36	MP3C	Mx	.017	5.5
37	OVP	X	17.168	1.5
38	OVP	Z	29.737	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	7.721	3
41	MP4A	Z	13.373	3
42	MP4A	Mx	-.004	3
43	MP4B	X	7.721	3
44	MP4B	Z	13.373	3
45	MP4B	Mx	-.004	3
46	MP4C	X	5.814	3
47	MP4C	Z	10.071	3
48	MP4C	Mx	.006	3
49	MP3A	X	7.48	3
50	MP3A	Z	12.955	3
51	MP3A	Mx	-.004	3
52	MP3B	X	7.48	3
53	MP3B	Z	12.955	3
54	MP3B	Mx	-.004	3
55	MP3C	X	4.848	3
56	MP3C	Z	8.397	3
57	MP3C	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	19.824	2.38

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	19.824	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	11.292	2.38
9	MP2B	Mx	-.005	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	11.292	3.63
12	MP2B	Mx	-.005	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	11.292	2.38
15	MP2C	Mx	.005	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	11.292	3.63
18	MP2C	Mx	.005	3.63
19	MP3A	X	0	.5
20	MP3A	Z	68.08	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	68.08	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	42.826	.5
27	MP3B	Mx	-.019	.5
28	MP3B	X	0	5.5
29	MP3B	Z	42.826	5.5
30	MP3B	Mx	-.019	5.5
31	MP3C	X	0	.5
32	MP3C	Z	42.826	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	0	5.5
35	MP3C	Z	42.826	5.5
36	MP3C	Mx	.019	5.5
37	OVP	X	0	1.5
38	OVP	Z	32.466	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	16.713	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	12.9	3
45	MP4B	Mx	-.006	3
46	MP4C	X	0	3
47	MP4C	Z	12.9	3
48	MP4C	Mx	.006	3
49	MP3A	X	0	3
50	MP3A	Z	16.713	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	11.451	3
54	MP3B	Mx	-.005	3
55	MP3C	X	0	3
56	MP3C	Z	11.451	3
57	MP3C	Mx	.005	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.49	2.38
2	MP2A	Z	14.705	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.49	3.63
5	MP2A	Z	14.705	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-4.224	2.38
8	MP2B	Z	7.317	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	-4.224	3.63
11	MP2B	Z	7.317	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	-8.49	2.38
14	MP2C	Z	14.705	2.38
15	MP2C	Mx	.004	2.38
16	MP2C	X	-8.49	3.63
17	MP2C	Z	14.705	3.63
18	MP2C	Mx	.004	3.63
19	MP3A	X	-29.831	.5
20	MP3A	Z	51.669	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-29.831	5.5
23	MP3A	Z	51.669	5.5
24	MP3A	Mx	.015	5.5
25	MP3B	X	-17.204	.5
26	MP3B	Z	29.799	.5
27	MP3B	Mx	-.017	.5
28	MP3B	X	-17.204	5.5
29	MP3B	Z	29.799	5.5
30	MP3B	Mx	-.017	5.5
31	MP3C	X	-29.831	.5
32	MP3C	Z	51.669	.5
33	MP3C	Mx	.015	.5
34	MP3C	X	-29.831	5.5
35	MP3C	Z	51.669	5.5
36	MP3C	Mx	.015	5.5
37	OVP	X	-14.363	1.5
38	OVP	Z	24.877	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-7.721	3
41	MP4A	Z	13.373	3
42	MP4A	Mx	.004	3
43	MP4B	X	-5.814	3
44	MP4B	Z	10.071	3
45	MP4B	Mx	-.006	3
46	MP4C	X	-7.721	3
47	MP4C	Z	13.373	3
48	MP4C	Mx	.004	3
49	MP3A	X	-7.48	3
50	MP3A	Z	12.955	3
51	MP3A	Mx	.004	3
52	MP3B	X	-4.848	3
53	MP3B	Z	8.397	3
54	MP3B	Mx	-.005	3
55	MP3C	X	-7.48	3
56	MP3C	Z	12.955	3
57	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.779	2.38
2	MP2A	Z	5.646	2.38
3	MP2A	Mx	.005	2.38
4	MP2A	X	-9.779	3.63
5	MP2A	Z	5.646	3.63
6	MP2A	Mx	.005	3.63
7	MP2B	X	-9.779	2.38
8	MP2B	Z	5.646	2.38
9	MP2B	Mx	-.005	2.38
10	MP2B	X	-9.779	3.63
11	MP2B	Z	5.646	3.63
12	MP2B	Mx	-.005	3.63
13	MP2C	X	-17.168	2.38
14	MP2C	Z	9.912	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-17.168	3.63
17	MP2C	Z	9.912	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-37.089	.5
20	MP3A	Z	21.413	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	-37.089	5.5
23	MP3A	Z	21.413	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	-37.089	.5
26	MP3B	Z	21.413	.5
27	MP3B	Mx	-.019	.5
28	MP3B	X	-37.089	5.5
29	MP3B	Z	21.413	5.5
30	MP3B	Mx	-.019	5.5
31	MP3C	X	-58.959	.5
32	MP3C	Z	34.04	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-58.959	5.5
35	MP3C	Z	34.04	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-23.257	1.5
38	OVP	Z	13.427	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-11.172	3
41	MP4A	Z	6.45	3
42	MP4A	Mx	.006	3
43	MP4B	X	-11.172	3
44	MP4B	Z	6.45	3
45	MP4B	Mx	-.006	3
46	MP4C	X	-14.474	3
47	MP4C	Z	8.357	3
48	MP4C	Mx	0	3
49	MP3A	X	-9.917	3
50	MP3A	Z	5.725	3
51	MP3A	Mx	.005	3
52	MP3B	X	-9.917	3
53	MP3B	Z	5.725	3
54	MP3B	Mx	-.005	3
55	MP3C	X	-14.474	3
56	MP3C	Z	8.357	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.449	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.449	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-16.98	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.004	2.38
10	MP2B	X	-16.98	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.004	3.63
13	MP2C	X	-16.98	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	-16.98	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	-34.408	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.017	.5
22	MP3A	X	-34.408	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.017	5.5
25	MP3B	X	-59.662	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	-59.662	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.015	5.5
31	MP3C	X	-59.662	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.015	.5
34	MP3C	X	-59.662	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.015	5.5
37	OVP	X	-28.725	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-11.629	3
41	MP4A	Z	0	3
42	MP4A	Mx	.006	3
43	MP4B	X	-15.442	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.004	3
46	MP4C	X	-15.442	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.004	3
49	MP3A	X	-9.696	3
50	MP3A	Z	0	3
51	MP3A	Mx	.005	3
52	MP3B	X	-14.959	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.004	3
55	MP3C	X	-14.959	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.779	2.38
2	MP2A	Z	-5.646	2.38
3	MP2A	Mx	.005	2.38
4	MP2A	X	-9.779	3.63
5	MP2A	Z	-5.646	3.63
6	MP2A	Mx	.005	3.63
7	MP2B	X	-17.168	2.38
8	MP2B	Z	-9.912	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	-17.168	3.63
11	MP2B	Z	-9.912	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-9.779	2.38
14	MP2C	Z	-5.646	2.38
15	MP2C	Mx	-.005	2.38
16	MP2C	X	-9.779	3.63
17	MP2C	Z	-5.646	3.63
18	MP2C	Mx	-.005	3.63
19	MP3A	X	-37.089	.5
20	MP3A	Z	-21.413	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	-37.089	5.5
23	MP3A	Z	-21.413	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	-58.959	.5
26	MP3B	Z	-34.04	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-58.959	5.5
29	MP3B	Z	-34.04	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-37.089	.5
32	MP3C	Z	-21.413	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	-37.089	5.5
35	MP3C	Z	-21.413	5.5
36	MP3C	Mx	-.019	5.5
37	OVP	X	-28.117	1.5
38	OVP	Z	-16.233	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-11.172	3
41	MP4A	Z	-6.45	3
42	MP4A	Mx	.006	3
43	MP4B	X	-14.474	3
44	MP4B	Z	-8.357	3
45	MP4B	Mx	0	3
46	MP4C	X	-11.172	3
47	MP4C	Z	-6.45	3
48	MP4C	Mx	-.006	3
49	MP3A	X	-9.917	3
50	MP3A	Z	-5.725	3
51	MP3A	Mx	.005	3
52	MP3B	X	-14.474	3
53	MP3B	Z	-8.357	3
54	MP3B	Mx	0	3
55	MP3C	X	-9.917	3
56	MP3C	Z	-5.725	3
57	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.49	2.38
2	MP2A	Z	-14.705	2.38
3	MP2A	Mx	.004	2.38
4	MP2A	X	-8.49	3.63
5	MP2A	Z	-14.705	3.63
6	MP2A	Mx	.004	3.63
7	MP2B	X	-8.49	2.38
8	MP2B	Z	-14.705	2.38
9	MP2B	Mx	.004	2.38
10	MP2B	X	-8.49	3.63
11	MP2B	Z	-14.705	3.63
12	MP2B	Mx	.004	3.63
13	MP2C	X	-4.224	2.38
14	MP2C	Z	-7.317	2.38
15	MP2C	Mx	-.004	2.38
16	MP2C	X	-4.224	3.63
17	MP2C	Z	-7.317	3.63
18	MP2C	Mx	-.004	3.63
19	MP3A	X	-29.831	.5
20	MP3A	Z	-51.669	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-29.831	5.5
23	MP3A	Z	-51.669	5.5
24	MP3A	Mx	.015	5.5
25	MP3B	X	-29.831	.5
26	MP3B	Z	-51.669	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	-29.831	5.5
29	MP3B	Z	-51.669	5.5
30	MP3B	Mx	.015	5.5
31	MP3C	X	-17.204	.5
32	MP3C	Z	-29.799	.5
33	MP3C	Mx	-.017	.5
34	MP3C	X	-17.204	5.5
35	MP3C	Z	-29.799	5.5
36	MP3C	Mx	-.017	5.5
37	OVP	X	-17.168	1.5
38	OVP	Z	-29.737	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-7.721	3
41	MP4A	Z	-13.373	3
42	MP4A	Mx	.004	3
43	MP4B	X	-7.721	3
44	MP4B	Z	-13.373	3
45	MP4B	Mx	.004	3
46	MP4C	X	-5.814	3
47	MP4C	Z	-10.071	3
48	MP4C	Mx	-.006	3
49	MP3A	X	-7.48	3
50	MP3A	Z	-12.955	3
51	MP3A	Mx	.004	3
52	MP3B	X	-7.48	3
53	MP3B	Z	-12.955	3
54	MP3B	Mx	.004	3
55	MP3C	X	-4.848	3
56	MP3C	Z	-8.397	3
57	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	-6.313	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	-6.313	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	-3.432	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	-3.432	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	-3.432	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	-3.432	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	0	.5
20	MP3A	Z	-22.927	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	-22.927	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	-13.992	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	-13.992	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	-13.992	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	0	5.5
35	MP3C	Z	-13.992	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	0	1.5
38	OVP	Z	-10.26	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	-5.023	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	-3.774	3
45	MP4B	Mx	.002	3
46	MP4C	X	0	3
47	MP4C	Z	-3.774	3
48	MP4C	Mx	-.002	3
49	MP3A	X	0	3
50	MP3A	Z	-5.023	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-3.296	3
54	MP3B	Mx	.001	3
55	MP3C	X	0	3
56	MP3C	Z	-3.296	3
57	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.676	2.38
2	MP2A	Z	-4.635	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.676	3.63
5	MP2A	Z	-4.635	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	1.236	2.38
8	MP2B	Z	-2.14	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	1.236	3.63
11	MP2B	Z	-2.14	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	2.676	2.38
14	MP2C	Z	-4.635	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	2.676	3.63
17	MP2C	Z	-4.635	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	9.974	.5
20	MP3A	Z	-17.276	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	9.974	5.5
23	MP3A	Z	-17.276	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	5.507	.5
26	MP3B	Z	-9.538	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	5.507	5.5
29	MP3B	Z	-9.538	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	9.974	.5
32	MP3C	Z	-17.276	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	9.974	5.5
35	MP3C	Z	-17.276	5.5
36	MP3C	Mx	-.005	5.5
37	OVP	X	4.483	1.5
38	OVP	Z	-7.766	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	2.303	3
41	MP4A	Z	-3.99	3
42	MP4A	Mx	-.001	3
43	MP4B	X	1.679	3
44	MP4B	Z	-2.908	3
45	MP4B	Mx	.002	3
46	MP4C	X	2.303	3
47	MP4C	Z	-3.99	3
48	MP4C	Mx	-.001	3
49	MP3A	X	2.224	3
50	MP3A	Z	-3.852	3
51	MP3A	Mx	-.001	3
52	MP3B	X	1.36	3
53	MP3B	Z	-2.355	3
54	MP3B	Mx	.001	3
55	MP3C	X	2.224	3
56	MP3C	Z	-3.852	3
57	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.972	2.38
2	MP2A	Z	-1.716	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.972	3.63
5	MP2A	Z	-1.716	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	2.972	2.38
8	MP2B	Z	-1.716	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	2.972	3.63
11	MP2B	Z	-1.716	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	5.467	2.38
14	MP2C	Z	-3.156	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	5.467	3.63
17	MP2C	Z	-3.156	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	12.117	.5
20	MP3A	Z	-6.996	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	12.117	5.5
23	MP3A	Z	-6.996	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	12.117	.5
26	MP3B	Z	-6.996	.5
27	MP3B	Mx	.006	.5
28	MP3B	X	12.117	5.5
29	MP3B	Z	-6.996	5.5
30	MP3B	Mx	.006	5.5
31	MP3C	X	19.855	.5
32	MP3C	Z	-11.463	.5
33	MP3C	Mx	0	.5
34	MP3C	X	19.855	5.5
35	MP3C	Z	-11.463	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	7.206	1.5
38	OVP	Z	-4.16	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	3.268	3
41	MP4A	Z	-1.887	3
42	MP4A	Mx	-.002	3
43	MP4B	X	3.268	3
44	MP4B	Z	-1.887	3
45	MP4B	Mx	.002	3
46	MP4C	X	4.35	3
47	MP4C	Z	-2.512	3
48	MP4C	Mx	0	3
49	MP3A	X	2.854	3
50	MP3A	Z	-1.648	3
51	MP3A	Mx	-.001	3
52	MP3B	X	2.854	3
53	MP3B	Z	-1.648	3
54	MP3B	Mx	.001	3
55	MP3C	X	4.35	3
56	MP3C	Z	-2.512	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.471	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.471	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	5.352	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	5.352	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	5.352	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	5.352	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	11.013	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	11.013	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	19.948	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	19.948	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	19.948	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	19.948	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.005	5.5
37	OVP	X	8.967	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	3.358	3
41	MP4A	Z	0	3
42	MP4A	Mx	-.002	3
43	MP4B	X	4.607	3
44	MP4B	Z	0	3
45	MP4B	Mx	.001	3
46	MP4C	X	4.607	3
47	MP4C	Z	0	3
48	MP4C	Mx	.001	3
49	MP3A	X	2.72	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.001	3
52	MP3B	X	4.447	3
53	MP3B	Z	0	3
54	MP3B	Mx	.001	3
55	MP3C	X	4.447	3
56	MP3C	Z	0	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.972	2.38
2	MP2A	Z	1.716	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.972	3.63
5	MP2A	Z	1.716	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	5.467	2.38
8	MP2B	Z	3.156	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	5.467	3.63
11	MP2B	Z	3.156	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	2.972	2.38
14	MP2C	Z	1.716	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	2.972	3.63
17	MP2C	Z	1.716	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	12.117	.5
20	MP3A	Z	6.996	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	12.117	5.5
23	MP3A	Z	6.996	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	19.855	.5
26	MP3B	Z	11.463	.5
27	MP3B	Mx	0	.5
28	MP3B	X	19.855	5.5
29	MP3B	Z	11.463	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	12.117	.5
32	MP3C	Z	6.996	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	12.117	5.5
35	MP3C	Z	6.996	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	8.885	1.5
38	OVP	Z	5.13	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	3.268	3
41	MP4A	Z	1.887	3
42	MP4A	Mx	-.002	3
43	MP4B	X	4.35	3
44	MP4B	Z	2.512	3
45	MP4B	Mx	0	3
46	MP4C	X	3.268	3
47	MP4C	Z	1.887	3
48	MP4C	Mx	.002	3
49	MP3A	X	2.854	3
50	MP3A	Z	1.648	3
51	MP3A	Mx	-.001	3
52	MP3B	X	4.35	3
53	MP3B	Z	2.512	3
54	MP3B	Mx	0	3
55	MP3C	X	2.854	3
56	MP3C	Z	1.648	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.676	2.38
2	MP2A	Z	4.635	2.38
3	MP2A	Mx	-.001	2.38
4	MP2A	X	2.676	3.63
5	MP2A	Z	4.635	3.63
6	MP2A	Mx	-.001	3.63
7	MP2B	X	2.676	2.38
8	MP2B	Z	4.635	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	2.676	3.63
11	MP2B	Z	4.635	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	1.236	2.38
14	MP2C	Z	2.14	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	1.236	3.63
17	MP2C	Z	2.14	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	9.974	.5
20	MP3A	Z	17.276	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	9.974	5.5
23	MP3A	Z	17.276	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	9.974	.5
26	MP3B	Z	17.276	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	9.974	5.5
29	MP3B	Z	17.276	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	5.507	.5
32	MP3C	Z	9.538	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	5.507	5.5
35	MP3C	Z	9.538	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	5.453	1.5
38	OVP	Z	9.445	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	2.303	3
41	MP4A	Z	3.99	3
42	MP4A	Mx	-.001	3
43	MP4B	X	2.303	3
44	MP4B	Z	3.99	3
45	MP4B	Mx	-.001	3
46	MP4C	X	1.679	3
47	MP4C	Z	2.908	3
48	MP4C	Mx	.002	3
49	MP3A	X	2.224	3
50	MP3A	Z	3.852	3
51	MP3A	Mx	-.001	3
52	MP3B	X	2.224	3
53	MP3B	Z	3.852	3
54	MP3B	Mx	-.001	3
55	MP3C	X	1.36	3
56	MP3C	Z	2.355	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.38
2	MP2A	Z	6.313	2.38
3	MP2A	Mx	0	2.38
4	MP2A	X	0	3.63
5	MP2A	Z	6.313	3.63
6	MP2A	Mx	0	3.63
7	MP2B	X	0	2.38
8	MP2B	Z	3.432	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	0	3.63
11	MP2B	Z	3.432	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	0	2.38
14	MP2C	Z	3.432	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	0	3.63
17	MP2C	Z	3.432	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	0	.5
20	MP3A	Z	22.927	.5
21	MP3A	Mx	0	.5
22	MP3A	X	0	5.5
23	MP3A	Z	22.927	5.5
24	MP3A	Mx	0	5.5
25	MP3B	X	0	.5
26	MP3B	Z	13.992	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	0	5.5
29	MP3B	Z	13.992	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	0	.5
32	MP3C	Z	13.992	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	0	5.5
35	MP3C	Z	13.992	5.5
36	MP3C	Mx	.006	5.5
37	OVP	X	0	1.5
38	OVP	Z	10.26	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	0	3
41	MP4A	Z	5.023	3
42	MP4A	Mx	0	3
43	MP4B	X	0	3
44	MP4B	Z	3.774	3
45	MP4B	Mx	-.002	3
46	MP4C	X	0	3
47	MP4C	Z	3.774	3
48	MP4C	Mx	.002	3
49	MP3A	X	0	3
50	MP3A	Z	5.023	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	3.296	3
54	MP3B	Mx	-.001	3
55	MP3C	X	0	3
56	MP3C	Z	3.296	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.676	2.38
2	MP2A	Z	4.635	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.676	3.63
5	MP2A	Z	4.635	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-1.236	2.38
8	MP2B	Z	2.14	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	-1.236	3.63
11	MP2B	Z	2.14	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	-2.676	2.38
14	MP2C	Z	4.635	2.38
15	MP2C	Mx	.001	2.38
16	MP2C	X	-2.676	3.63
17	MP2C	Z	4.635	3.63
18	MP2C	Mx	.001	3.63
19	MP3A	X	-9.974	.5
20	MP3A	Z	17.276	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-9.974	5.5
23	MP3A	Z	17.276	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-5.507	.5
26	MP3B	Z	9.538	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-5.507	5.5
29	MP3B	Z	9.538	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-9.974	.5
32	MP3C	Z	17.276	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	-9.974	5.5
35	MP3C	Z	17.276	5.5
36	MP3C	Mx	.005	5.5
37	OVP	X	-4.483	1.5
38	OVP	Z	7.766	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-2.303	3
41	MP4A	Z	3.99	3
42	MP4A	Mx	.001	3
43	MP4B	X	-1.679	3
44	MP4B	Z	2.908	3
45	MP4B	Mx	-.002	3
46	MP4C	X	-2.303	3
47	MP4C	Z	3.99	3
48	MP4C	Mx	.001	3
49	MP3A	X	-2.224	3
50	MP3A	Z	3.852	3
51	MP3A	Mx	.001	3
52	MP3B	X	-1.36	3
53	MP3B	Z	2.355	3
54	MP3B	Mx	-.001	3
55	MP3C	X	-2.224	3
56	MP3C	Z	3.852	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.972	2.38
2	MP2A	Z	1.716	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.972	3.63
5	MP2A	Z	1.716	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-2.972	2.38
8	MP2B	Z	1.716	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	-2.972	3.63
11	MP2B	Z	1.716	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	-5.467	2.38
14	MP2C	Z	3.156	2.38
15	MP2C	Mx	0	2.38
16	MP2C	X	-5.467	3.63
17	MP2C	Z	3.156	3.63
18	MP2C	Mx	0	3.63
19	MP3A	X	-12.117	.5
20	MP3A	Z	6.996	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.117	5.5
23	MP3A	Z	6.996	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-12.117	.5
26	MP3B	Z	6.996	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-12.117	5.5
29	MP3B	Z	6.996	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-19.855	.5
32	MP3C	Z	11.463	.5
33	MP3C	Mx	0	.5
34	MP3C	X	-19.855	5.5
35	MP3C	Z	11.463	5.5
36	MP3C	Mx	0	5.5
37	OVP	X	-7.206	1.5
38	OVP	Z	4.16	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-3.268	3
41	MP4A	Z	1.887	3
42	MP4A	Mx	.002	3
43	MP4B	X	-3.268	3
44	MP4B	Z	1.887	3
45	MP4B	Mx	-.002	3
46	MP4C	X	-4.35	3
47	MP4C	Z	2.512	3
48	MP4C	Mx	0	3
49	MP3A	X	-2.854	3
50	MP3A	Z	1.648	3
51	MP3A	Mx	.001	3
52	MP3B	X	-2.854	3
53	MP3B	Z	1.648	3
54	MP3B	Mx	-.001	3
55	MP3C	X	-4.35	3
56	MP3C	Z	2.512	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.471	2.38
2	MP2A	Z	0	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.471	3.63
5	MP2A	Z	0	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-5.352	2.38
8	MP2B	Z	0	2.38
9	MP2B	Mx	-.001	2.38
10	MP2B	X	-5.352	3.63
11	MP2B	Z	0	3.63
12	MP2B	Mx	-.001	3.63
13	MP2C	X	-5.352	2.38
14	MP2C	Z	0	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	-5.352	3.63
17	MP2C	Z	0	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	-11.013	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-11.013	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-19.948	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	-19.948	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-19.948	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	-19.948	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.005	5.5
37	OVP	X	-8.967	1.5
38	OVP	Z	0	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-3.358	3
41	MP4A	Z	0	3
42	MP4A	Mx	.002	3
43	MP4B	X	-4.607	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.001	3
46	MP4C	X	-4.607	3
47	MP4C	Z	0	3
48	MP4C	Mx	-.001	3
49	MP3A	X	-2.72	3
50	MP3A	Z	0	3
51	MP3A	Mx	.001	3
52	MP3B	X	-4.447	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.001	3
55	MP3C	X	-4.447	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.972	2.38
2	MP2A	Z	-1.716	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.972	3.63
5	MP2A	Z	-1.716	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-5.467	2.38
8	MP2B	Z	-3.156	2.38
9	MP2B	Mx	0	2.38
10	MP2B	X	-5.467	3.63
11	MP2B	Z	-3.156	3.63
12	MP2B	Mx	0	3.63
13	MP2C	X	-2.972	2.38
14	MP2C	Z	-1.716	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	-2.972	3.63
17	MP2C	Z	-1.716	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	-12.117	.5
20	MP3A	Z	-6.996	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	-12.117	5.5
23	MP3A	Z	-6.996	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-19.855	.5
26	MP3B	Z	-11.463	.5
27	MP3B	Mx	0	.5
28	MP3B	X	-19.855	5.5
29	MP3B	Z	-11.463	5.5
30	MP3B	Mx	0	5.5
31	MP3C	X	-12.117	.5
32	MP3C	Z	-6.996	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	-12.117	5.5
35	MP3C	Z	-6.996	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	-8.885	1.5
38	OVP	Z	-5.13	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-3.268	3
41	MP4A	Z	-1.887	3
42	MP4A	Mx	.002	3
43	MP4B	X	-4.35	3
44	MP4B	Z	-2.512	3
45	MP4B	Mx	0	3
46	MP4C	X	-3.268	3
47	MP4C	Z	-1.887	3
48	MP4C	Mx	-.002	3
49	MP3A	X	-2.854	3
50	MP3A	Z	-1.648	3
51	MP3A	Mx	.001	3
52	MP3B	X	-4.35	3
53	MP3B	Z	-2.512	3
54	MP3B	Mx	0	3
55	MP3C	X	-2.854	3
56	MP3C	Z	-1.648	3
57	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.676	2.38
2	MP2A	Z	-4.635	2.38
3	MP2A	Mx	.001	2.38
4	MP2A	X	-2.676	3.63
5	MP2A	Z	-4.635	3.63
6	MP2A	Mx	.001	3.63
7	MP2B	X	-2.676	2.38
8	MP2B	Z	-4.635	2.38
9	MP2B	Mx	.001	2.38
10	MP2B	X	-2.676	3.63
11	MP2B	Z	-4.635	3.63
12	MP2B	Mx	.001	3.63
13	MP2C	X	-1.236	2.38
14	MP2C	Z	-2.14	2.38
15	MP2C	Mx	-.001	2.38
16	MP2C	X	-1.236	3.63
17	MP2C	Z	-2.14	3.63
18	MP2C	Mx	-.001	3.63
19	MP3A	X	-9.974	.5
20	MP3A	Z	-17.276	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-9.974	5.5
23	MP3A	Z	-17.276	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-9.974	.5
26	MP3B	Z	-17.276	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	-9.974	5.5
29	MP3B	Z	-17.276	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	-5.507	.5
32	MP3C	Z	-9.538	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	-5.507	5.5
35	MP3C	Z	-9.538	5.5
36	MP3C	Mx	-.006	5.5
37	OVP	X	-5.453	1.5
38	OVP	Z	-9.445	1.5
39	OVP	Mx	0	1.5
40	MP4A	X	-2.303	3
41	MP4A	Z	-3.99	3
42	MP4A	Mx	.001	3
43	MP4B	X	-2.303	3
44	MP4B	Z	-3.99	3
45	MP4B	Mx	.001	3
46	MP4C	X	-1.679	3
47	MP4C	Z	-2.908	3
48	MP4C	Mx	-.002	3
49	MP3A	X	-2.224	3
50	MP3A	Z	-3.852	3
51	MP3A	Mx	.001	3
52	MP3B	X	-2.224	3
53	MP3B	Z	-3.852	3
54	MP3B	Mx	.001	3
55	MP3C	X	-1.36	3
56	MP3C	Z	-2.355	3
57	MP3C	Mx	-.001	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M82	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M83	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-9.672	-9.672	0	%100
2	M111	Y	-9.672	-9.672	0	%100
3	M21	Y	-5.66	-5.66	0	%100
4	M22	Y	-5.66	-5.66	0	%100
5	M33	Y	-5.66	-5.66	0	%100
6	M34	Y	-5.66	-5.66	0	%100
7	M45	Y	-5.66	-5.66	0	%100
8	M46	Y	-5.66	-5.66	0	%100
9	MP1A	Y	-5.016	-5.016	0	%100
10	MP2A	Y	-5.016	-5.016	0	%100
11	MP3A	Y	-5.016	-5.016	0	%100
12	MP4A	Y	-5.016	-5.016	0	%100
13	M1	Y	-6.612	-6.612	0	%100
14	M19	Y	-9.672	-9.672	0	%100
15	M31	Y	-9.672	-9.672	0	%100
16	M43	Y	-9.672	-9.672	0	%100
17	M3	Y	-10.175	-10.175	0	%100
18	M4	Y	-10.175	-10.175	0	%100
19	M5	Y	-10.175	-10.175	0	%100
20	M9	Y	-10.175	-10.175	0	%100
21	M10	Y	-10.175	-10.175	0	%100
22	M11	Y	-10.175	-10.175	0	%100
23	M15	Y	-10.175	-10.175	0	%100
24	M16	Y	-10.175	-10.175	0	%100
25	M17	Y	-10.175	-10.175	0	%100
26	M80	Y	-6.612	-6.612	0	%100
27	M81A	Y	-6.612	-6.612	0	%100
28	M60	Y	-10.175	-10.175	0	%100
29	M61	Y	-10.175	-10.175	0	%100
30	M64	Y	-10.175	-10.175	0	%100
31	M65	Y	-10.175	-10.175	0	%100
32	M68	Y	-10.175	-10.175	0	%100
33	M69	Y	-10.175	-10.175	0	%100
34	M66A	Y	-9.672	-9.672	0	%100
35	M67A	Y	-9.672	-9.672	0	%100
36	M68A	Y	-9.672	-9.672	0	%100
37	M69A	Y	-9.672	-9.672	0	%100
38	MP1C	Y	-5.016	-5.016	0	%100
39	MP3C	Y	-5.016	-5.016	0	%100
40	MP4C	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
41	MP1B	Y	-5.016	-5.016	0	%100
42	MP3B	Y	-5.016	-5.016	0	%100
43	MP4B	Y	-5.016	-5.016	0	%100
44	OVP	Y	-5.016	-5.016	0	%100
45	M76	Y	-5.726	-5.726	0	%100
46	M94	Y	-7.666	-7.666	0	%100
47	MP2C	Y	-5.016	-5.016	0	%100
48	M91A	Y	-5.726	-5.726	0	%100
49	MP2B	Y	-5.016	-5.016	0	%100
50	M95A	Y	-5.726	-5.726	0	%100
51	M94B	Y	-7.666	-7.666	0	%100
52	M95	Y	-7.666	-7.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-3.141	-3.141	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-3.141	-3.141	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-3.522	-3.522	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	-3.522	-3.522	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-13.618	-13.618	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-3.288	-3.288	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-3.288	-3.288	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-13.618	-13.618	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-9.704	-9.704	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-9.704	-9.704	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-9.704	-9.704	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-9.704	-9.704	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	-13.995	-13.995	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-11.067	-11.067	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-11.067	-11.067	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-24.514	-24.514	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-6.129	-6.129	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-6.129	-6.129	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-6.129	-6.129	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-24.514	-24.514	0	%100
43	M11	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
44	M11	Z	-6.129	-6.129	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	-6.129	-6.129	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-6.129	-6.129	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-24.514	-24.514	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	-3.499	-3.499	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-3.499	-3.499	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-24.514	-24.514	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-24.514	-24.514	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-6.129	-6.129	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-6.129	-6.129	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-6.129	-6.129	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-6.129	-6.129	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-3.141	-3.141	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-12.564	-12.564	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-12.564	-12.564	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-3.141	-3.141	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-9.704	-9.704	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-9.704	-9.704	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-9.704	-9.704	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	-9.704	-9.704	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-9.704	-9.704	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-9.704	-9.704	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-8.843	-8.843	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-11.746	-11.746	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-14.625	-14.625	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-9.704	-9.704	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-2.937	-2.937	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.704	-9.704	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-2.937	-2.937	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-14.625	-14.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
103	M95	X	0	0	0	%100
104	M95	Z	-14.625	-14.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	4.711	4.711	0	%100
2	M32	Z	-8.16	-8.16	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.000671	.000671	0	%100
6	M21	Z	-.001	-.001	0	%100
7	M22	X	5.165	5.165	0	%100
8	M22	Z	-8.947	-8.947	0	%100
9	M33	X	5.165	5.165	0	%100
10	M33	Z	-8.947	-8.947	0	%100
11	M34	X	.000671	.000671	0	%100
12	M34	Z	-.001	-.001	0	%100
13	M45	X	5.048	5.048	0	%100
14	M45	Z	-8.744	-8.744	0	%100
15	M46	X	5.048	5.048	0	%100
16	M46	Z	-8.744	-8.744	0	%100
17	MP1A	X	4.852	4.852	0	%100
18	MP1A	Z	-8.404	-8.404	0	%100
19	MP2A	X	4.852	4.852	0	%100
20	MP2A	Z	-8.404	-8.404	0	%100
21	MP3A	X	4.852	4.852	0	%100
22	MP3A	Z	-8.404	-8.404	0	%100
23	MP4A	X	4.852	4.852	0	%100
24	MP4A	Z	-8.404	-8.404	0	%100
25	M1	X	5.248	5.248	0	%100
26	M1	Z	-9.09	-9.09	0	%100
27	M19	X	1.845	1.845	0	%100
28	M19	Z	-3.195	-3.195	0	%100
29	M31	X	1.845	1.845	0	%100
30	M31	Z	-3.195	-3.195	0	%100
31	M43	X	7.378	7.378	0	%100
32	M43	Z	-12.779	-12.779	0	%100
33	M3	X	9.193	9.193	0	%100
34	M3	Z	-15.923	-15.923	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	9.193	9.193	0	%100
38	M5	Z	-15.923	-15.923	0	%100
39	M9	X	9.193	9.193	0	%100
40	M9	Z	-15.923	-15.923	0	%100
41	M10	X	9.193	9.193	0	%100
42	M10	Z	-15.923	-15.923	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	9.193	9.193	0	%100
48	M16	Z	-15.923	-15.923	0	%100
49	M17	X	9.193	9.193	0	%100
50	M17	Z	-15.923	-15.923	0	%100
51	M80	X	5.248	5.248	0	%100
52	M80	Z	-9.09	-9.09	0	%100
53	M81A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
54	M81A	Z	0	0	0	%100
55	M60	X	9.193	9.193	0	%100
56	M60	Z	-15.923	-15.923	0	%100
57	M61	X	9.193	9.193	0	%100
58	M61	Z	-15.923	-15.923	0	%100
59	M64	X	9.193	9.193	0	%100
60	M64	Z	-15.923	-15.923	0	%100
61	M65	X	9.193	9.193	0	%100
62	M65	Z	-15.923	-15.923	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	4.711	4.711	0	%100
70	M67A	Z	-8.16	-8.16	0	%100
71	M68A	X	4.711	4.711	0	%100
72	M68A	Z	-8.16	-8.16	0	%100
73	M69A	X	4.711	4.711	0	%100
74	M69A	Z	-8.16	-8.16	0	%100
75	MP1C	X	4.852	4.852	0	%100
76	MP1C	Z	-8.404	-8.404	0	%100
77	MP3C	X	4.852	4.852	0	%100
78	MP3C	Z	-8.404	-8.404	0	%100
79	MP4C	X	4.852	4.852	0	%100
80	MP4C	Z	-8.404	-8.404	0	%100
81	MP1B	X	4.852	4.852	0	%100
82	MP1B	Z	-8.404	-8.404	0	%100
83	MP3B	X	4.852	4.852	0	%100
84	MP3B	Z	-8.404	-8.404	0	%100
85	MP4B	X	4.852	4.852	0	%100
86	MP4B	Z	-8.404	-8.404	0	%100
87	OVP	X	4.421	4.421	0	%100
88	OVP	Z	-7.658	-7.658	0	%100
89	M76	X	4.405	4.405	0	%100
90	M76	Z	-7.63	-7.63	0	%100
91	M94	X	5.485	5.485	0	%100
92	M94	Z	-9.499	-9.499	0	%100
93	MP2C	X	4.852	4.852	0	%100
94	MP2C	Z	-8.404	-8.404	0	%100
95	M91A	X	4.405	4.405	0	%100
96	M91A	Z	-7.63	-7.63	0	%100
97	MP2B	X	4.852	4.852	0	%100
98	MP2B	Z	-8.404	-8.404	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	5.485	5.485	0	%100
102	M94B	Z	-9.499	-9.499	0	%100
103	M95	X	5.485	5.485	0	%100
104	M95	Z	-9.499	-9.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	10.881	10.881	0	%100
2	M32	Z	-6.282	-6.282	0	%100
3	M111	X	2.72	2.72	0	%100
4	M111	Z	-1.57	-1.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M21	X	2.848	2.848	0	%100
6	M21	Z	-1.644	-1.644	0	%100
7	M22	X	11.793	11.793	0	%100
8	M22	Z	-6.809	-6.809	0	%100
9	M33	X	3.051	3.051	0	%100
10	M33	Z	-1.761	-1.761	0	%100
11	M34	X	3.051	3.051	0	%100
12	M34	Z	-1.761	-1.761	0	%100
13	M45	X	11.793	11.793	0	%100
14	M45	Z	-6.809	-6.809	0	%100
15	M46	X	2.848	2.848	0	%100
16	M46	Z	-1.644	-1.644	0	%100
17	MP1A	X	8.404	8.404	0	%100
18	MP1A	Z	-4.852	-4.852	0	%100
19	MP2A	X	8.404	8.404	0	%100
20	MP2A	Z	-4.852	-4.852	0	%100
21	MP3A	X	8.404	8.404	0	%100
22	MP3A	Z	-4.852	-4.852	0	%100
23	MP4A	X	8.404	8.404	0	%100
24	MP4A	Z	-4.852	-4.852	0	%100
25	M1	X	3.03	3.03	0	%100
26	M1	Z	-1.749	-1.749	0	%100
27	M19	X	9.585	9.585	0	%100
28	M19	Z	-5.534	-5.534	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	9.585	9.585	0	%100
32	M43	Z	-5.534	-5.534	0	%100
33	M3	X	5.308	5.308	0	%100
34	M3	Z	-3.064	-3.064	0	%100
35	M4	X	5.308	5.308	0	%100
36	M4	Z	-3.064	-3.064	0	%100
37	M5	X	21.23	21.23	0	%100
38	M5	Z	-12.257	-12.257	0	%100
39	M9	X	21.23	21.23	0	%100
40	M9	Z	-12.257	-12.257	0	%100
41	M10	X	5.308	5.308	0	%100
42	M10	Z	-3.064	-3.064	0	%100
43	M11	X	5.308	5.308	0	%100
44	M11	Z	-3.064	-3.064	0	%100
45	M15	X	5.308	5.308	0	%100
46	M15	Z	-3.064	-3.064	0	%100
47	M16	X	21.23	21.23	0	%100
48	M16	Z	-12.257	-12.257	0	%100
49	M17	X	5.308	5.308	0	%100
50	M17	Z	-3.064	-3.064	0	%100
51	M80	X	12.12	12.12	0	%100
52	M80	Z	-6.998	-6.998	0	%100
53	M81A	X	3.03	3.03	0	%100
54	M81A	Z	-1.749	-1.749	0	%100
55	M60	X	5.308	5.308	0	%100
56	M60	Z	-3.064	-3.064	0	%100
57	M61	X	5.308	5.308	0	%100
58	M61	Z	-3.064	-3.064	0	%100
59	M64	X	21.23	21.23	0	%100
60	M64	Z	-12.257	-12.257	0	%100
61	M65	X	21.23	21.23	0	%100
62	M65	Z	-12.257	-12.257	0	%100
63	M68	X	5.308	5.308	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	-3.064	-3.064	0	%100
65	M69	X	5.308	5.308	0	%100
66	M69	Z	-3.064	-3.064	0	%100
67	M66A	X	2.72	2.72	0	%100
68	M66A	Z	-1.57	-1.57	0	%100
69	M67A	X	2.72	2.72	0	%100
70	M67A	Z	-1.57	-1.57	0	%100
71	M68A	X	2.72	2.72	0	%100
72	M68A	Z	-1.57	-1.57	0	%100
73	M69A	X	10.881	10.881	0	%100
74	M69A	Z	-6.282	-6.282	0	%100
75	MP1C	X	8.404	8.404	0	%100
76	MP1C	Z	-4.852	-4.852	0	%100
77	MP3C	X	8.404	8.404	0	%100
78	MP3C	Z	-4.852	-4.852	0	%100
79	MP4C	X	8.404	8.404	0	%100
80	MP4C	Z	-4.852	-4.852	0	%100
81	MP1B	X	8.404	8.404	0	%100
82	MP1B	Z	-4.852	-4.852	0	%100
83	MP3B	X	8.404	8.404	0	%100
84	MP3B	Z	-4.852	-4.852	0	%100
85	MP4B	X	8.404	8.404	0	%100
86	MP4B	Z	-4.852	-4.852	0	%100
87	OVP	X	7.658	7.658	0	%100
88	OVP	Z	-4.421	-4.421	0	%100
89	M76	X	2.543	2.543	0	%100
90	M76	Z	-1.468	-1.468	0	%100
91	M94	X	3.166	3.166	0	%100
92	M94	Z	-1.828	-1.828	0	%100
93	MP2C	X	8.404	8.404	0	%100
94	MP2C	Z	-4.852	-4.852	0	%100
95	M91A	X	10.173	10.173	0	%100
96	M91A	Z	-5.873	-5.873	0	%100
97	MP2B	X	8.404	8.404	0	%100
98	MP2B	Z	-4.852	-4.852	0	%100
99	M95A	X	2.543	2.543	0	%100
100	M95A	Z	-1.468	-1.468	0	%100
101	M94B	X	3.166	3.166	0	%100
102	M94B	Z	-1.828	-1.828	0	%100
103	M95	X	3.166	3.166	0	%100
104	M95	Z	-1.828	-1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	9.423	9.423	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	9.423	9.423	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	10.097	10.097	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	10.097	10.097	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	.001	.001	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	10.331	10.331	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	10.331	10.331	0	%100
14	M45	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,...	Start Location[ft,%]	End Location[ft,%]
15	M46	X	.001	.001	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	9.704	9.704	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	9.704	9.704	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	9.704	9.704	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	9.704	9.704	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	14.756	14.756	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	3.689	3.689	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	3.689	3.689	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	18.386	18.386	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	18.386	18.386	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	18.386	18.386	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	18.386	18.386	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	18.386	18.386	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	18.386	18.386	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	10.497	10.497	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	10.497	10.497	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	18.386	18.386	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	18.386	18.386	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	18.386	18.386	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	18.386	18.386	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	9.423	9.423	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	9.423	9.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
74	M69A	Z	0	0	0	%100
75	MP1C	X	9.704	9.704	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	9.704	9.704	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	9.704	9.704	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	9.704	9.704	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	9.704	9.704	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	9.704	9.704	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	8.843	8.843	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	9.704	9.704	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	8.81	8.81	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	9.704	9.704	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	8.81	8.81	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	2.72	2.72	0	%100
2	M32	Z	1.57	1.57	0	%100
3	M111	X	10.881	10.881	0	%100
4	M111	Z	6.282	6.282	0	%100
5	M21	X	11.793	11.793	0	%100
6	M21	Z	6.809	6.809	0	%100
7	M22	X	2.848	2.848	0	%100
8	M22	Z	1.644	1.644	0	%100
9	M33	X	2.848	2.848	0	%100
10	M33	Z	1.644	1.644	0	%100
11	M34	X	11.793	11.793	0	%100
12	M34	Z	6.809	6.809	0	%100
13	M45	X	3.051	3.051	0	%100
14	M45	Z	1.761	1.761	0	%100
15	M46	X	3.051	3.051	0	%100
16	M46	Z	1.761	1.761	0	%100
17	MP1A	X	8.404	8.404	0	%100
18	MP1A	Z	4.852	4.852	0	%100
19	MP2A	X	8.404	8.404	0	%100
20	MP2A	Z	4.852	4.852	0	%100
21	MP3A	X	8.404	8.404	0	%100
22	MP3A	Z	4.852	4.852	0	%100
23	MP4A	X	8.404	8.404	0	%100
24	MP4A	Z	4.852	4.852	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M1	X	3.03	3.03	0	%100
26	M1	Z	1.749	1.749	0	%100
27	M19	X	9.585	9.585	0	%100
28	M19	Z	5.534	5.534	0	%100
29	M31	X	9.585	9.585	0	%100
30	M31	Z	5.534	5.534	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	5.308	5.308	0	%100
34	M3	Z	3.064	3.064	0	%100
35	M4	X	21.23	21.23	0	%100
36	M4	Z	12.257	12.257	0	%100
37	M5	X	5.308	5.308	0	%100
38	M5	Z	3.064	3.064	0	%100
39	M9	X	5.308	5.308	0	%100
40	M9	Z	3.064	3.064	0	%100
41	M10	X	5.308	5.308	0	%100
42	M10	Z	3.064	3.064	0	%100
43	M11	X	21.23	21.23	0	%100
44	M11	Z	12.257	12.257	0	%100
45	M15	X	21.23	21.23	0	%100
46	M15	Z	12.257	12.257	0	%100
47	M16	X	5.308	5.308	0	%100
48	M16	Z	3.064	3.064	0	%100
49	M17	X	5.308	5.308	0	%100
50	M17	Z	3.064	3.064	0	%100
51	M80	X	3.03	3.03	0	%100
52	M80	Z	1.749	1.749	0	%100
53	M81A	X	12.12	12.12	0	%100
54	M81A	Z	6.998	6.998	0	%100
55	M60	X	5.308	5.308	0	%100
56	M60	Z	3.064	3.064	0	%100
57	M61	X	5.308	5.308	0	%100
58	M61	Z	3.064	3.064	0	%100
59	M64	X	5.308	5.308	0	%100
60	M64	Z	3.064	3.064	0	%100
61	M65	X	5.308	5.308	0	%100
62	M65	Z	3.064	3.064	0	%100
63	M68	X	21.23	21.23	0	%100
64	M68	Z	12.257	12.257	0	%100
65	M69	X	21.23	21.23	0	%100
66	M69	Z	12.257	12.257	0	%100
67	M66A	X	10.881	10.881	0	%100
68	M66A	Z	6.282	6.282	0	%100
69	M67A	X	2.72	2.72	0	%100
70	M67A	Z	1.57	1.57	0	%100
71	M68A	X	2.72	2.72	0	%100
72	M68A	Z	1.57	1.57	0	%100
73	M69A	X	2.72	2.72	0	%100
74	M69A	Z	1.57	1.57	0	%100
75	MP1C	X	8.404	8.404	0	%100
76	MP1C	Z	4.852	4.852	0	%100
77	MP3C	X	8.404	8.404	0	%100
78	MP3C	Z	4.852	4.852	0	%100
79	MP4C	X	8.404	8.404	0	%100
80	MP4C	Z	4.852	4.852	0	%100
81	MP1B	X	8.404	8.404	0	%100
82	MP1B	Z	4.852	4.852	0	%100
83	MP3B	X	8.404	8.404	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
84	MP3B	Z	4.852	4.852	0	%100
85	MP4B	X	8.404	8.404	0	%100
86	MP4B	Z	4.852	4.852	0	%100
87	OVP	X	7.658	7.658	0	%100
88	OVP	Z	4.421	4.421	0	%100
89	M76	X	2.543	2.543	0	%100
90	M76	Z	1.468	1.468	0	%100
91	M94	X	3.166	3.166	0	%100
92	M94	Z	1.828	1.828	0	%100
93	MP2C	X	8.404	8.404	0	%100
94	MP2C	Z	4.852	4.852	0	%100
95	M91A	X	2.543	2.543	0	%100
96	M91A	Z	1.468	1.468	0	%100
97	MP2B	X	8.404	8.404	0	%100
98	MP2B	Z	4.852	4.852	0	%100
99	M95A	X	10.173	10.173	0	%100
100	M95A	Z	5.873	5.873	0	%100
101	M94B	X	3.166	3.166	0	%100
102	M94B	Z	1.828	1.828	0	%100
103	M95	X	3.166	3.166	0	%100
104	M95	Z	1.828	1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	4.711	4.711	0	%100
4	M111	Z	8.16	8.16	0	%100
5	M21	X	5.165	5.165	0	%100
6	M21	Z	8.947	8.947	0	%100
7	M22	X	.000671	.000671	0	%100
8	M22	Z	.001	.001	0	%100
9	M33	X	5.048	5.048	0	%100
10	M33	Z	8.744	8.744	0	%100
11	M34	X	5.048	5.048	0	%100
12	M34	Z	8.744	8.744	0	%100
13	M45	X	.000671	.000671	0	%100
14	M45	Z	.001	.001	0	%100
15	M46	X	5.165	5.165	0	%100
16	M46	Z	8.947	8.947	0	%100
17	MP1A	X	4.852	4.852	0	%100
18	MP1A	Z	8.404	8.404	0	%100
19	MP2A	X	4.852	4.852	0	%100
20	MP2A	Z	8.404	8.404	0	%100
21	MP3A	X	4.852	4.852	0	%100
22	MP3A	Z	8.404	8.404	0	%100
23	MP4A	X	4.852	4.852	0	%100
24	MP4A	Z	8.404	8.404	0	%100
25	M1	X	5.248	5.248	0	%100
26	M1	Z	9.09	9.09	0	%100
27	M19	X	1.845	1.845	0	%100
28	M19	Z	3.195	3.195	0	%100
29	M31	X	7.378	7.378	0	%100
30	M31	Z	12.779	12.779	0	%100
31	M43	X	1.845	1.845	0	%100
32	M43	Z	3.195	3.195	0	%100
33	M3	X	9.193	9.193	0	%100
34	M3	Z	15.923	15.923	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
35	M4	X	9.193	9.193	0	%100
36	M4	Z	15.923	15.923	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	9.193	9.193	0	%100
42	M10	Z	15.923	15.923	0	%100
43	M11	X	9.193	9.193	0	%100
44	M11	Z	15.923	15.923	0	%100
45	M15	X	9.193	9.193	0	%100
46	M15	Z	15.923	15.923	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	9.193	9.193	0	%100
50	M17	Z	15.923	15.923	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	5.248	5.248	0	%100
54	M81A	Z	9.09	9.09	0	%100
55	M60	X	9.193	9.193	0	%100
56	M60	Z	15.923	15.923	0	%100
57	M61	X	9.193	9.193	0	%100
58	M61	Z	15.923	15.923	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	9.193	9.193	0	%100
64	M68	Z	15.923	15.923	0	%100
65	M69	X	9.193	9.193	0	%100
66	M69	Z	15.923	15.923	0	%100
67	M66A	X	4.711	4.711	0	%100
68	M66A	Z	8.16	8.16	0	%100
69	M67A	X	4.711	4.711	0	%100
70	M67A	Z	8.16	8.16	0	%100
71	M68A	X	4.711	4.711	0	%100
72	M68A	Z	8.16	8.16	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	4.852	4.852	0	%100
76	MP1C	Z	8.404	8.404	0	%100
77	MP3C	X	4.852	4.852	0	%100
78	MP3C	Z	8.404	8.404	0	%100
79	MP4C	X	4.852	4.852	0	%100
80	MP4C	Z	8.404	8.404	0	%100
81	MP1B	X	4.852	4.852	0	%100
82	MP1B	Z	8.404	8.404	0	%100
83	MP3B	X	4.852	4.852	0	%100
84	MP3B	Z	8.404	8.404	0	%100
85	MP4B	X	4.852	4.852	0	%100
86	MP4B	Z	8.404	8.404	0	%100
87	OVP	X	4.421	4.421	0	%100
88	OVP	Z	7.658	7.658	0	%100
89	M76	X	4.405	4.405	0	%100
90	M76	Z	7.63	7.63	0	%100
91	M94	X	5.485	5.485	0	%100
92	M94	Z	9.499	9.499	0	%100
93	MP2C	X	4.852	4.852	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
94	MP2C	Z	8.404	8.404	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	4.852	4.852	0	%100
98	MP2B	Z	8.404	8.404	0	%100
99	M95A	X	4.405	4.405	0	%100
100	M95A	Z	7.63	7.63	0	%100
101	M94B	X	5.485	5.485	0	%100
102	M94B	Z	9.499	9.499	0	%100
103	M95	X	5.485	5.485	0	%100
104	M95	Z	9.499	9.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	3.141	3.141	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	3.141	3.141	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	3.522	3.522	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	3.522	3.522	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	13.618	13.618	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	3.288	3.288	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	3.288	3.288	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	13.618	13.618	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	9.704	9.704	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	9.704	9.704	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	9.704	9.704	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	9.704	9.704	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	13.995	13.995	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	11.067	11.067	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	11.067	11.067	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	24.514	24.514	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	6.129	6.129	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	6.129	6.129	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	6.129	6.129	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	24.514	24.514	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	6.129	6.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M15	X	0	0	0	%100
46	M15	Z	6.129	6.129	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	6.129	6.129	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	24.514	24.514	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	3.499	3.499	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	3.499	3.499	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	24.514	24.514	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	24.514	24.514	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	6.129	6.129	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	6.129	6.129	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	6.129	6.129	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	6.129	6.129	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	3.141	3.141	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	12.564	12.564	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	12.564	12.564	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	3.141	3.141	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	9.704	9.704	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	9.704	9.704	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	9.704	9.704	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	9.704	9.704	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	9.704	9.704	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	9.704	9.704	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	8.843	8.843	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	11.746	11.746	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	14.625	14.625	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	9.704	9.704	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	2.937	2.937	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.704	9.704	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	2.937	2.937	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	14.625	14.625	0	%100
103	M95	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
104	M95	Z	14.625	14.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-4.711	-4.711	0	%100
2	M32	Z	8.16	8.16	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.000671	-.000671	0	%100
6	M21	Z	.001	.001	0	%100
7	M22	X	-5.165	-5.165	0	%100
8	M22	Z	8.947	8.947	0	%100
9	M33	X	-5.165	-5.165	0	%100
10	M33	Z	8.947	8.947	0	%100
11	M34	X	-.000671	-.000671	0	%100
12	M34	Z	.001	.001	0	%100
13	M45	X	-5.048	-5.048	0	%100
14	M45	Z	8.744	8.744	0	%100
15	M46	X	-5.048	-5.048	0	%100
16	M46	Z	8.744	8.744	0	%100
17	MP1A	X	-4.852	-4.852	0	%100
18	MP1A	Z	8.404	8.404	0	%100
19	MP2A	X	-4.852	-4.852	0	%100
20	MP2A	Z	8.404	8.404	0	%100
21	MP3A	X	-4.852	-4.852	0	%100
22	MP3A	Z	8.404	8.404	0	%100
23	MP4A	X	-4.852	-4.852	0	%100
24	MP4A	Z	8.404	8.404	0	%100
25	M1	X	-5.248	-5.248	0	%100
26	M1	Z	9.09	9.09	0	%100
27	M19	X	-1.845	-1.845	0	%100
28	M19	Z	3.195	3.195	0	%100
29	M31	X	-1.845	-1.845	0	%100
30	M31	Z	3.195	3.195	0	%100
31	M43	X	-7.378	-7.378	0	%100
32	M43	Z	12.779	12.779	0	%100
33	M3	X	-9.193	-9.193	0	%100
34	M3	Z	15.923	15.923	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-9.193	-9.193	0	%100
38	M5	Z	15.923	15.923	0	%100
39	M9	X	-9.193	-9.193	0	%100
40	M9	Z	15.923	15.923	0	%100
41	M10	X	-9.193	-9.193	0	%100
42	M10	Z	15.923	15.923	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-9.193	-9.193	0	%100
48	M16	Z	15.923	15.923	0	%100
49	M17	X	-9.193	-9.193	0	%100
50	M17	Z	15.923	15.923	0	%100
51	M80	X	-5.248	-5.248	0	%100
52	M80	Z	9.09	9.09	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
55	M60	X	-9.193	-9.193	0	%100
56	M60	Z	15.923	15.923	0	%100
57	M61	X	-9.193	-9.193	0	%100
58	M61	Z	15.923	15.923	0	%100
59	M64	X	-9.193	-9.193	0	%100
60	M64	Z	15.923	15.923	0	%100
61	M65	X	-9.193	-9.193	0	%100
62	M65	Z	15.923	15.923	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-4.711	-4.711	0	%100
70	M67A	Z	8.16	8.16	0	%100
71	M68A	X	-4.711	-4.711	0	%100
72	M68A	Z	8.16	8.16	0	%100
73	M69A	X	-4.711	-4.711	0	%100
74	M69A	Z	8.16	8.16	0	%100
75	MP1C	X	-4.852	-4.852	0	%100
76	MP1C	Z	8.404	8.404	0	%100
77	MP3C	X	-4.852	-4.852	0	%100
78	MP3C	Z	8.404	8.404	0	%100
79	MP4C	X	-4.852	-4.852	0	%100
80	MP4C	Z	8.404	8.404	0	%100
81	MP1B	X	-4.852	-4.852	0	%100
82	MP1B	Z	8.404	8.404	0	%100
83	MP3B	X	-4.852	-4.852	0	%100
84	MP3B	Z	8.404	8.404	0	%100
85	MP4B	X	-4.852	-4.852	0	%100
86	MP4B	Z	8.404	8.404	0	%100
87	OVP	X	-4.421	-4.421	0	%100
88	OVP	Z	7.658	7.658	0	%100
89	M76	X	-4.405	-4.405	0	%100
90	M76	Z	7.63	7.63	0	%100
91	M94	X	-5.485	-5.485	0	%100
92	M94	Z	9.499	9.499	0	%100
93	MP2C	X	-4.852	-4.852	0	%100
94	MP2C	Z	8.404	8.404	0	%100
95	M91A	X	-4.405	-4.405	0	%100
96	M91A	Z	7.63	7.63	0	%100
97	MP2B	X	-4.852	-4.852	0	%100
98	MP2B	Z	8.404	8.404	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-5.485	-5.485	0	%100
102	M94B	Z	9.499	9.499	0	%100
103	M95	X	-5.485	-5.485	0	%100
104	M95	Z	9.499	9.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-10.881	-10.881	0	%100
2	M32	Z	6.282	6.282	0	%100
3	M111	X	-2.72	-2.72	0	%100
4	M111	Z	1.57	1.57	0	%100
5	M21	X	-2.848	-2.848	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
6	M21	Z	1.644	1.644	0	%100
7	M22	X	-11.793	-11.793	0	%100
8	M22	Z	6.809	6.809	0	%100
9	M33	X	-3.051	-3.051	0	%100
10	M33	Z	1.761	1.761	0	%100
11	M34	X	-3.051	-3.051	0	%100
12	M34	Z	1.761	1.761	0	%100
13	M45	X	-11.793	-11.793	0	%100
14	M45	Z	6.809	6.809	0	%100
15	M46	X	-2.848	-2.848	0	%100
16	M46	Z	1.644	1.644	0	%100
17	MP1A	X	-8.404	-8.404	0	%100
18	MP1A	Z	4.852	4.852	0	%100
19	MP2A	X	-8.404	-8.404	0	%100
20	MP2A	Z	4.852	4.852	0	%100
21	MP3A	X	-8.404	-8.404	0	%100
22	MP3A	Z	4.852	4.852	0	%100
23	MP4A	X	-8.404	-8.404	0	%100
24	MP4A	Z	4.852	4.852	0	%100
25	M1	X	-3.03	-3.03	0	%100
26	M1	Z	1.749	1.749	0	%100
27	M19	X	-9.585	-9.585	0	%100
28	M19	Z	5.534	5.534	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-9.585	-9.585	0	%100
32	M43	Z	5.534	5.534	0	%100
33	M3	X	-5.308	-5.308	0	%100
34	M3	Z	3.064	3.064	0	%100
35	M4	X	-5.308	-5.308	0	%100
36	M4	Z	3.064	3.064	0	%100
37	M5	X	-21.23	-21.23	0	%100
38	M5	Z	12.257	12.257	0	%100
39	M9	X	-21.23	-21.23	0	%100
40	M9	Z	12.257	12.257	0	%100
41	M10	X	-5.308	-5.308	0	%100
42	M10	Z	3.064	3.064	0	%100
43	M11	X	-5.308	-5.308	0	%100
44	M11	Z	3.064	3.064	0	%100
45	M15	X	-5.308	-5.308	0	%100
46	M15	Z	3.064	3.064	0	%100
47	M16	X	-21.23	-21.23	0	%100
48	M16	Z	12.257	12.257	0	%100
49	M17	X	-5.308	-5.308	0	%100
50	M17	Z	3.064	3.064	0	%100
51	M80	X	-12.12	-12.12	0	%100
52	M80	Z	6.998	6.998	0	%100
53	M81A	X	-3.03	-3.03	0	%100
54	M81A	Z	1.749	1.749	0	%100
55	M60	X	-5.308	-5.308	0	%100
56	M60	Z	3.064	3.064	0	%100
57	M61	X	-5.308	-5.308	0	%100
58	M61	Z	3.064	3.064	0	%100
59	M64	X	-21.23	-21.23	0	%100
60	M64	Z	12.257	12.257	0	%100
61	M65	X	-21.23	-21.23	0	%100
62	M65	Z	12.257	12.257	0	%100
63	M68	X	-5.308	-5.308	0	%100
64	M68	Z	3.064	3.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
65	M69	X	-5.308	-5.308	0	%100
66	M69	Z	3.064	3.064	0	%100
67	M66A	X	-2.72	-2.72	0	%100
68	M66A	Z	1.57	1.57	0	%100
69	M67A	X	-2.72	-2.72	0	%100
70	M67A	Z	1.57	1.57	0	%100
71	M68A	X	-2.72	-2.72	0	%100
72	M68A	Z	1.57	1.57	0	%100
73	M69A	X	-10.881	-10.881	0	%100
74	M69A	Z	6.282	6.282	0	%100
75	MP1C	X	-8.404	-8.404	0	%100
76	MP1C	Z	4.852	4.852	0	%100
77	MP3C	X	-8.404	-8.404	0	%100
78	MP3C	Z	4.852	4.852	0	%100
79	MP4C	X	-8.404	-8.404	0	%100
80	MP4C	Z	4.852	4.852	0	%100
81	MP1B	X	-8.404	-8.404	0	%100
82	MP1B	Z	4.852	4.852	0	%100
83	MP3B	X	-8.404	-8.404	0	%100
84	MP3B	Z	4.852	4.852	0	%100
85	MP4B	X	-8.404	-8.404	0	%100
86	MP4B	Z	4.852	4.852	0	%100
87	OVP	X	-7.658	-7.658	0	%100
88	OVP	Z	4.421	4.421	0	%100
89	M76	X	-2.543	-2.543	0	%100
90	M76	Z	1.468	1.468	0	%100
91	M94	X	-3.166	-3.166	0	%100
92	M94	Z	1.828	1.828	0	%100
93	MP2C	X	-8.404	-8.404	0	%100
94	MP2C	Z	4.852	4.852	0	%100
95	M91A	X	-10.173	-10.173	0	%100
96	M91A	Z	5.873	5.873	0	%100
97	MP2B	X	-8.404	-8.404	0	%100
98	MP2B	Z	4.852	4.852	0	%100
99	M95A	X	-2.543	-2.543	0	%100
100	M95A	Z	1.468	1.468	0	%100
101	M94B	X	-3.166	-3.166	0	%100
102	M94B	Z	1.828	1.828	0	%100
103	M95	X	-3.166	-3.166	0	%100
104	M95	Z	1.828	1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-9.423	-9.423	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-9.423	-9.423	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-10.097	-10.097	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	-10.097	-10.097	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-.001	-.001	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-10.331	-10.331	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-10.331	-10.331	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-.001	-.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	0	0	0	%100
17	MP1A	X	-9.704	-9.704	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-9.704	-9.704	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-9.704	-9.704	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-9.704	-9.704	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-14.756	-14.756	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-3.689	-3.689	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-3.689	-3.689	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-18.386	-18.386	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-18.386	-18.386	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-18.386	-18.386	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	-18.386	-18.386	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-18.386	-18.386	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-18.386	-18.386	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-10.497	-10.497	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-10.497	-10.497	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-18.386	-18.386	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-18.386	-18.386	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-18.386	-18.386	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-18.386	-18.386	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-9.423	-9.423	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-9.423	-9.423	0	%100
74	M69A	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,...	Start Location[ft,%]	End Location[ft,%]
75	MP1C	X	-9.704	-9.704	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-9.704	-9.704	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-9.704	-9.704	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	-9.704	-9.704	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	-9.704	-9.704	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-9.704	-9.704	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-8.843	-8.843	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-9.704	-9.704	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-8.81	-8.81	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-9.704	-9.704	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-8.81	-8.81	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-2.72	-2.72	0	%100
2	M32	Z	-1.57	-1.57	0	%100
3	M111	X	-10.881	-10.881	0	%100
4	M111	Z	-6.282	-6.282	0	%100
5	M21	X	-11.793	-11.793	0	%100
6	M21	Z	-6.809	-6.809	0	%100
7	M22	X	-2.848	-2.848	0	%100
8	M22	Z	-1.644	-1.644	0	%100
9	M33	X	-2.848	-2.848	0	%100
10	M33	Z	-1.644	-1.644	0	%100
11	M34	X	-11.793	-11.793	0	%100
12	M34	Z	-6.809	-6.809	0	%100
13	M45	X	-3.051	-3.051	0	%100
14	M45	Z	-1.761	-1.761	0	%100
15	M46	X	-3.051	-3.051	0	%100
16	M46	Z	-1.761	-1.761	0	%100
17	MP1A	X	-8.404	-8.404	0	%100
18	MP1A	Z	-4.852	-4.852	0	%100
19	MP2A	X	-8.404	-8.404	0	%100
20	MP2A	Z	-4.852	-4.852	0	%100
21	MP3A	X	-8.404	-8.404	0	%100
22	MP3A	Z	-4.852	-4.852	0	%100
23	MP4A	X	-8.404	-8.404	0	%100
24	MP4A	Z	-4.852	-4.852	0	%100
25	M1	X	-3.03	-3.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
26	M1	Z	-1.749	-1.749	0	%100
27	M19	X	-9.585	-9.585	0	%100
28	M19	Z	-5.534	-5.534	0	%100
29	M31	X	-9.585	-9.585	0	%100
30	M31	Z	-5.534	-5.534	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	-5.308	-5.308	0	%100
34	M3	Z	-3.064	-3.064	0	%100
35	M4	X	-21.23	-21.23	0	%100
36	M4	Z	-12.257	-12.257	0	%100
37	M5	X	-5.308	-5.308	0	%100
38	M5	Z	-3.064	-3.064	0	%100
39	M9	X	-5.308	-5.308	0	%100
40	M9	Z	-3.064	-3.064	0	%100
41	M10	X	-5.308	-5.308	0	%100
42	M10	Z	-3.064	-3.064	0	%100
43	M11	X	-21.23	-21.23	0	%100
44	M11	Z	-12.257	-12.257	0	%100
45	M15	X	-21.23	-21.23	0	%100
46	M15	Z	-12.257	-12.257	0	%100
47	M16	X	-5.308	-5.308	0	%100
48	M16	Z	-3.064	-3.064	0	%100
49	M17	X	-5.308	-5.308	0	%100
50	M17	Z	-3.064	-3.064	0	%100
51	M80	X	-3.03	-3.03	0	%100
52	M80	Z	-1.749	-1.749	0	%100
53	M81A	X	-12.12	-12.12	0	%100
54	M81A	Z	-6.998	-6.998	0	%100
55	M60	X	-5.308	-5.308	0	%100
56	M60	Z	-3.064	-3.064	0	%100
57	M61	X	-5.308	-5.308	0	%100
58	M61	Z	-3.064	-3.064	0	%100
59	M64	X	-5.308	-5.308	0	%100
60	M64	Z	-3.064	-3.064	0	%100
61	M65	X	-5.308	-5.308	0	%100
62	M65	Z	-3.064	-3.064	0	%100
63	M68	X	-21.23	-21.23	0	%100
64	M68	Z	-12.257	-12.257	0	%100
65	M69	X	-21.23	-21.23	0	%100
66	M69	Z	-12.257	-12.257	0	%100
67	M66A	X	-10.881	-10.881	0	%100
68	M66A	Z	-6.282	-6.282	0	%100
69	M67A	X	-2.72	-2.72	0	%100
70	M67A	Z	-1.57	-1.57	0	%100
71	M68A	X	-2.72	-2.72	0	%100
72	M68A	Z	-1.57	-1.57	0	%100
73	M69A	X	-2.72	-2.72	0	%100
74	M69A	Z	-1.57	-1.57	0	%100
75	MP1C	X	-8.404	-8.404	0	%100
76	MP1C	Z	-4.852	-4.852	0	%100
77	MP3C	X	-8.404	-8.404	0	%100
78	MP3C	Z	-4.852	-4.852	0	%100
79	MP4C	X	-8.404	-8.404	0	%100
80	MP4C	Z	-4.852	-4.852	0	%100
81	MP1B	X	-8.404	-8.404	0	%100
82	MP1B	Z	-4.852	-4.852	0	%100
83	MP3B	X	-8.404	-8.404	0	%100
84	MP3B	Z	-4.852	-4.852	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	MP4B	X	-8.404	-8.404	0	%100
86	MP4B	Z	-4.852	-4.852	0	%100
87	OVP	X	-7.658	-7.658	0	%100
88	OVP	Z	-4.421	-4.421	0	%100
89	M76	X	-2.543	-2.543	0	%100
90	M76	Z	-1.468	-1.468	0	%100
91	M94	X	-3.166	-3.166	0	%100
92	M94	Z	-1.828	-1.828	0	%100
93	MP2C	X	-8.404	-8.404	0	%100
94	MP2C	Z	-4.852	-4.852	0	%100
95	M91A	X	-2.543	-2.543	0	%100
96	M91A	Z	-1.468	-1.468	0	%100
97	MP2B	X	-8.404	-8.404	0	%100
98	MP2B	Z	-4.852	-4.852	0	%100
99	M95A	X	-10.173	-10.173	0	%100
100	M95A	Z	-5.873	-5.873	0	%100
101	M94B	X	-3.166	-3.166	0	%100
102	M94B	Z	-1.828	-1.828	0	%100
103	M95	X	-3.166	-3.166	0	%100
104	M95	Z	-1.828	-1.828	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-4.711	-4.711	0	%100
4	M111	Z	-8.16	-8.16	0	%100
5	M21	X	-5.165	-5.165	0	%100
6	M21	Z	-8.947	-8.947	0	%100
7	M22	X	-.000671	-.000671	0	%100
8	M22	Z	-.001	-.001	0	%100
9	M33	X	-5.048	-5.048	0	%100
10	M33	Z	-8.744	-8.744	0	%100
11	M34	X	-5.048	-5.048	0	%100
12	M34	Z	-8.744	-8.744	0	%100
13	M45	X	-.000671	-.000671	0	%100
14	M45	Z	-.001	-.001	0	%100
15	M46	X	-5.165	-5.165	0	%100
16	M46	Z	-8.947	-8.947	0	%100
17	MP1A	X	-4.852	-4.852	0	%100
18	MP1A	Z	-8.404	-8.404	0	%100
19	MP2A	X	-4.852	-4.852	0	%100
20	MP2A	Z	-8.404	-8.404	0	%100
21	MP3A	X	-4.852	-4.852	0	%100
22	MP3A	Z	-8.404	-8.404	0	%100
23	MP4A	X	-4.852	-4.852	0	%100
24	MP4A	Z	-8.404	-8.404	0	%100
25	M1	X	-5.248	-5.248	0	%100
26	M1	Z	-9.09	-9.09	0	%100
27	M19	X	-1.845	-1.845	0	%100
28	M19	Z	-3.195	-3.195	0	%100
29	M31	X	-7.378	-7.378	0	%100
30	M31	Z	-12.779	-12.779	0	%100
31	M43	X	-1.845	-1.845	0	%100
32	M43	Z	-3.195	-3.195	0	%100
33	M3	X	-9.193	-9.193	0	%100
34	M3	Z	-15.923	-15.923	0	%100
35	M4	X	-9.193	-9.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
36	M4	Z	-15.923	-15.923	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-9.193	-9.193	0	%100
42	M10	Z	-15.923	-15.923	0	%100
43	M11	X	-9.193	-9.193	0	%100
44	M11	Z	-15.923	-15.923	0	%100
45	M15	X	-9.193	-9.193	0	%100
46	M15	Z	-15.923	-15.923	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-9.193	-9.193	0	%100
50	M17	Z	-15.923	-15.923	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-5.248	-5.248	0	%100
54	M81A	Z	-9.09	-9.09	0	%100
55	M60	X	-9.193	-9.193	0	%100
56	M60	Z	-15.923	-15.923	0	%100
57	M61	X	-9.193	-9.193	0	%100
58	M61	Z	-15.923	-15.923	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-9.193	-9.193	0	%100
64	M68	Z	-15.923	-15.923	0	%100
65	M69	X	-9.193	-9.193	0	%100
66	M69	Z	-15.923	-15.923	0	%100
67	M66A	X	-4.711	-4.711	0	%100
68	M66A	Z	-8.16	-8.16	0	%100
69	M67A	X	-4.711	-4.711	0	%100
70	M67A	Z	-8.16	-8.16	0	%100
71	M68A	X	-4.711	-4.711	0	%100
72	M68A	Z	-8.16	-8.16	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-4.852	-4.852	0	%100
76	MP1C	Z	-8.404	-8.404	0	%100
77	MP3C	X	-4.852	-4.852	0	%100
78	MP3C	Z	-8.404	-8.404	0	%100
79	MP4C	X	-4.852	-4.852	0	%100
80	MP4C	Z	-8.404	-8.404	0	%100
81	MP1B	X	-4.852	-4.852	0	%100
82	MP1B	Z	-8.404	-8.404	0	%100
83	MP3B	X	-4.852	-4.852	0	%100
84	MP3B	Z	-8.404	-8.404	0	%100
85	MP4B	X	-4.852	-4.852	0	%100
86	MP4B	Z	-8.404	-8.404	0	%100
87	OVP	X	-4.421	-4.421	0	%100
88	OVP	Z	-7.658	-7.658	0	%100
89	M76	X	-4.405	-4.405	0	%100
90	M76	Z	-7.63	-7.63	0	%100
91	M94	X	-5.485	-5.485	0	%100
92	M94	Z	-9.499	-9.499	0	%100
93	MP2C	X	-4.852	-4.852	0	%100
94	MP2C	Z	-8.404	-8.404	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-4.852	-4.852	0	%100
98	MP2B	Z	-8.404	-8.404	0	%100
99	M95A	X	-4.405	-4.405	0	%100
100	M95A	Z	-7.63	-7.63	0	%100
101	M94B	X	-5.485	-5.485	0	%100
102	M94B	Z	-9.499	-9.499	0	%100
103	M95	X	-5.485	-5.485	0	%100
104	M95	Z	-9.499	-9.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-.919	-.919	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-.919	-.919	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-1.073	-1.073	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	-1.073	-1.073	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-4.148	-4.148	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-1.002	-1.002	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-1.002	-1.002	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-4.148	-4.148	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-3.505	-3.505	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-3.505	-3.505	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-3.505	-3.505	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-3.505	-3.505	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	-4.344	-4.344	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-3.321	-3.321	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-3.321	-3.321	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-5.488	-5.488	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-1.396	-1.396	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-1.372	-1.372	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-1.372	-1.372	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-5.584	-5.584	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	-1.372	-1.372	0	%100
45	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
46	M15	Z	-1.372	-1.372	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-1.396	-1.396	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-5.488	-5.488	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	-1.086	-1.086	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-1.086	-1.086	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-5.488	-5.488	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-5.488	-5.488	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-1.372	-1.372	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-1.372	-1.372	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-1.372	-1.372	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-1.372	-1.372	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-.919	-.919	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-3.676	-3.676	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-3.676	-3.676	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-.919	-.919	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-3.505	-3.505	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-3.505	-3.505	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-3.505	-3.505	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	-3.505	-3.505	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-3.505	-3.505	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-3.505	-3.505	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-3.209	-3.209	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-3.878	-3.878	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-3.931	-3.931	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-3.505	-3.505	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.97	-.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.505	-3.505	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.97	-.97	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-3.931	-3.931	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-3.931	-3.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	1.378	1.378	0	%100
2	M32	Z	-2.388	-2.388	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.000204	.000204	0	%100
6	M21	Z	-.000354	-.000354	0	%100
7	M22	X	1.573	1.573	0	%100
8	M22	Z	-2.725	-2.725	0	%100
9	M33	X	1.573	1.573	0	%100
10	M33	Z	-2.725	-2.725	0	%100
11	M34	X	.000204	.000204	0	%100
12	M34	Z	-.000354	-.000354	0	%100
13	M45	X	1.538	1.538	0	%100
14	M45	Z	-2.663	-2.663	0	%100
15	M46	X	1.538	1.538	0	%100
16	M46	Z	-2.663	-2.663	0	%100
17	MP1A	X	1.752	1.752	0	%100
18	MP1A	Z	-3.035	-3.035	0	%100
19	MP2A	X	1.752	1.752	0	%100
20	MP2A	Z	-3.035	-3.035	0	%100
21	MP3A	X	1.752	1.752	0	%100
22	MP3A	Z	-3.035	-3.035	0	%100
23	MP4A	X	1.752	1.752	0	%100
24	MP4A	Z	-3.035	-3.035	0	%100
25	M1	X	1.629	1.629	0	%100
26	M1	Z	-2.822	-2.822	0	%100
27	M19	X	.553	.553	0	%100
28	M19	Z	-.959	-.959	0	%100
29	M31	X	.553	.553	0	%100
30	M31	Z	-.959	-.959	0	%100
31	M43	X	2.214	2.214	0	%100
32	M43	Z	-3.835	-3.835	0	%100
33	M3	X	2.058	2.058	0	%100
34	M3	Z	-3.564	-3.564	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	2.058	2.058	0	%100
38	M5	Z	-3.564	-3.564	0	%100
39	M9	X	2.058	2.058	0	%100
40	M9	Z	-3.564	-3.564	0	%100
41	M10	X	2.094	2.094	0	%100
42	M10	Z	-3.627	-3.627	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	2.094	2.094	0	%100
48	M16	Z	-3.627	-3.627	0	%100
49	M17	X	2.058	2.058	0	%100
50	M17	Z	-3.564	-3.564	0	%100
51	M80	X	1.629	1.629	0	%100
52	M80	Z	-2.822	-2.822	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	2.058	2.058	0	%100
56	M60	Z	-3.564	-3.564	0	%100
57	M61	X	2.058	2.058	0	%100
58	M61	Z	-3.564	-3.564	0	%100
59	M64	X	2.058	2.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M64	Z	-3.564	-3.564	0	%100
61	M65	X	2.058	2.058	0	%100
62	M65	Z	-3.564	-3.564	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	1.378	1.378	0	%100
70	M67A	Z	-2.388	-2.388	0	%100
71	M68A	X	1.378	1.378	0	%100
72	M68A	Z	-2.388	-2.388	0	%100
73	M69A	X	1.378	1.378	0	%100
74	M69A	Z	-2.388	-2.388	0	%100
75	MP1C	X	1.752	1.752	0	%100
76	MP1C	Z	-3.035	-3.035	0	%100
77	MP3C	X	1.752	1.752	0	%100
78	MP3C	Z	-3.035	-3.035	0	%100
79	MP4C	X	1.752	1.752	0	%100
80	MP4C	Z	-3.035	-3.035	0	%100
81	MP1B	X	1.752	1.752	0	%100
82	MP1B	Z	-3.035	-3.035	0	%100
83	MP3B	X	1.752	1.752	0	%100
84	MP3B	Z	-3.035	-3.035	0	%100
85	MP4B	X	1.752	1.752	0	%100
86	MP4B	Z	-3.035	-3.035	0	%100
87	OVP	X	1.604	1.604	0	%100
88	OVP	Z	-2.779	-2.779	0	%100
89	M76	X	1.454	1.454	0	%100
90	M76	Z	-2.519	-2.519	0	%100
91	M94	X	1.474	1.474	0	%100
92	M94	Z	-2.553	-2.553	0	%100
93	MP2C	X	1.752	1.752	0	%100
94	MP2C	Z	-3.035	-3.035	0	%100
95	M91A	X	1.454	1.454	0	%100
96	M91A	Z	-2.519	-2.519	0	%100
97	MP2B	X	1.752	1.752	0	%100
98	MP2B	Z	-3.035	-3.035	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	1.474	1.474	0	%100
102	M94B	Z	-2.553	-2.553	0	%100
103	M95	X	1.474	1.474	0	%100
104	M95	Z	-2.553	-2.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	3.183	3.183	0	%100
2	M32	Z	-1.838	-1.838	0	%100
3	M111	X	.796	.796	0	%100
4	M111	Z	-.459	-.459	0	%100
5	M21	X	.867	.867	0	%100
6	M21	Z	-.501	-.501	0	%100
7	M22	X	3.592	3.592	0	%100
8	M22	Z	-2.074	-2.074	0	%100
9	M33	X	.929	.929	0	%100
10	M33	Z	-.536	-.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	M34	X	.929	.929	0	%100
12	M34	Z	-.536	-.536	0	%100
13	M45	X	3.592	3.592	0	%100
14	M45	Z	-2.074	-2.074	0	%100
15	M46	X	.867	.867	0	%100
16	M46	Z	-.501	-.501	0	%100
17	MP1A	X	3.035	3.035	0	%100
18	MP1A	Z	-1.752	-1.752	0	%100
19	MP2A	X	3.035	3.035	0	%100
20	MP2A	Z	-1.752	-1.752	0	%100
21	MP3A	X	3.035	3.035	0	%100
22	MP3A	Z	-1.752	-1.752	0	%100
23	MP4A	X	3.035	3.035	0	%100
24	MP4A	Z	-1.752	-1.752	0	%100
25	M1	X	.941	.941	0	%100
26	M1	Z	-.543	-.543	0	%100
27	M19	X	2.876	2.876	0	%100
28	M19	Z	-1.66	-1.66	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	2.876	2.876	0	%100
32	M43	Z	-1.66	-1.66	0	%100
33	M3	X	1.188	1.188	0	%100
34	M3	Z	-.686	-.686	0	%100
35	M4	X	1.209	1.209	0	%100
36	M4	Z	-.698	-.698	0	%100
37	M5	X	4.753	4.753	0	%100
38	M5	Z	-2.744	-2.744	0	%100
39	M9	X	4.753	4.753	0	%100
40	M9	Z	-2.744	-2.744	0	%100
41	M10	X	1.209	1.209	0	%100
42	M10	Z	-.698	-.698	0	%100
43	M11	X	1.188	1.188	0	%100
44	M11	Z	-.686	-.686	0	%100
45	M15	X	1.188	1.188	0	%100
46	M15	Z	-.686	-.686	0	%100
47	M16	X	4.836	4.836	0	%100
48	M16	Z	-2.792	-2.792	0	%100
49	M17	X	1.188	1.188	0	%100
50	M17	Z	-.686	-.686	0	%100
51	M80	X	3.762	3.762	0	%100
52	M80	Z	-2.172	-2.172	0	%100
53	M81A	X	.941	.941	0	%100
54	M81A	Z	-.543	-.543	0	%100
55	M60	X	1.188	1.188	0	%100
56	M60	Z	-.686	-.686	0	%100
57	M61	X	1.188	1.188	0	%100
58	M61	Z	-.686	-.686	0	%100
59	M64	X	4.753	4.753	0	%100
60	M64	Z	-2.744	-2.744	0	%100
61	M65	X	4.753	4.753	0	%100
62	M65	Z	-2.744	-2.744	0	%100
63	M68	X	1.188	1.188	0	%100
64	M68	Z	-.686	-.686	0	%100
65	M69	X	1.188	1.188	0	%100
66	M69	Z	-.686	-.686	0	%100
67	M66A	X	.796	.796	0	%100
68	M66A	Z	-.459	-.459	0	%100
69	M67A	X	.796	.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
70	M67A	Z	-.459	-.459	0	%100
71	M68A	X	.796	.796	0	%100
72	M68A	Z	-.459	-.459	0	%100
73	M69A	X	3.183	3.183	0	%100
74	M69A	Z	-1.838	-1.838	0	%100
75	MP1C	X	3.035	3.035	0	%100
76	MP1C	Z	-1.752	-1.752	0	%100
77	MP3C	X	3.035	3.035	0	%100
78	MP3C	Z	-1.752	-1.752	0	%100
79	MP4C	X	3.035	3.035	0	%100
80	MP4C	Z	-1.752	-1.752	0	%100
81	MP1B	X	3.035	3.035	0	%100
82	MP1B	Z	-1.752	-1.752	0	%100
83	MP3B	X	3.035	3.035	0	%100
84	MP3B	Z	-1.752	-1.752	0	%100
85	MP4B	X	3.035	3.035	0	%100
86	MP4B	Z	-1.752	-1.752	0	%100
87	OVP	X	2.779	2.779	0	%100
88	OVP	Z	-1.604	-1.604	0	%100
89	M76	X	.84	.84	0	%100
90	M76	Z	-.485	-.485	0	%100
91	M94	X	.851	.851	0	%100
92	M94	Z	-.491	-.491	0	%100
93	MP2C	X	3.035	3.035	0	%100
94	MP2C	Z	-1.752	-1.752	0	%100
95	M91A	X	3.358	3.358	0	%100
96	M91A	Z	-1.939	-1.939	0	%100
97	MP2B	X	3.035	3.035	0	%100
98	MP2B	Z	-1.752	-1.752	0	%100
99	M95A	X	.84	.84	0	%100
100	M95A	Z	-.485	-.485	0	%100
101	M94B	X	.851	.851	0	%100
102	M94B	Z	-.491	-.491	0	%100
103	M95	X	.851	.851	0	%100
104	M95	Z	-.491	-.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	2.757	2.757	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	2.757	2.757	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	3.075	3.075	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	3.075	3.075	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	.000409	.000409	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	3.146	3.146	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	3.146	3.146	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	.000409	.000409	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	3.505	3.505	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	3.505	3.505	0	%100
20	MP2A	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,...	Start Location[ft,%]	End Location[ft,%]
21	MP3A	X	3.505	3.505	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	3.505	3.505	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	4.428	4.428	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	1.107	1.107	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	1.107	1.107	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	4.188	4.188	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	4.116	4.116	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	4.116	4.116	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	4.116	4.116	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	4.116	4.116	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	4.188	4.188	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	3.258	3.258	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	3.258	3.258	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	4.116	4.116	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	4.116	4.116	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	4.116	4.116	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	4.116	4.116	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	2.757	2.757	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	2.757	2.757	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	3.505	3.505	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	3.505	3.505	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	3.505	3.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
80	MP4C	Z	0	0	0	%100
81	MP1B	X	3.505	3.505	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	3.505	3.505	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	3.505	3.505	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	3.209	3.209	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	3.505	3.505	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	2.909	2.909	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	3.505	3.505	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	2.909	2.909	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.796	.796	0	%100
2	M32	Z	.459	.459	0	%100
3	M111	X	3.183	3.183	0	%100
4	M111	Z	1.838	1.838	0	%100
5	M21	X	3.592	3.592	0	%100
6	M21	Z	2.074	2.074	0	%100
7	M22	X	.867	.867	0	%100
8	M22	Z	.501	.501	0	%100
9	M33	X	.867	.867	0	%100
10	M33	Z	.501	.501	0	%100
11	M34	X	3.592	3.592	0	%100
12	M34	Z	2.074	2.074	0	%100
13	M45	X	.929	.929	0	%100
14	M45	Z	.536	.536	0	%100
15	M46	X	.929	.929	0	%100
16	M46	Z	.536	.536	0	%100
17	MP1A	X	3.035	3.035	0	%100
18	MP1A	Z	1.752	1.752	0	%100
19	MP2A	X	3.035	3.035	0	%100
20	MP2A	Z	1.752	1.752	0	%100
21	MP3A	X	3.035	3.035	0	%100
22	MP3A	Z	1.752	1.752	0	%100
23	MP4A	X	3.035	3.035	0	%100
24	MP4A	Z	1.752	1.752	0	%100
25	M1	X	.941	.941	0	%100
26	M1	Z	.543	.543	0	%100
27	M19	X	2.876	2.876	0	%100
28	M19	Z	1.66	1.66	0	%100
29	M31	X	2.876	2.876	0	%100
30	M31	Z	1.66	1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	1.188	1.188	0	%100
34	M3	Z	.686	.686	0	%100
35	M4	X	4.836	4.836	0	%100
36	M4	Z	2.792	2.792	0	%100
37	M5	X	1.188	1.188	0	%100
38	M5	Z	.686	.686	0	%100
39	M9	X	1.188	1.188	0	%100
40	M9	Z	.686	.686	0	%100
41	M10	X	1.209	1.209	0	%100
42	M10	Z	.698	.698	0	%100
43	M11	X	4.753	4.753	0	%100
44	M11	Z	2.744	2.744	0	%100
45	M15	X	4.753	4.753	0	%100
46	M15	Z	2.744	2.744	0	%100
47	M16	X	1.209	1.209	0	%100
48	M16	Z	.698	.698	0	%100
49	M17	X	1.188	1.188	0	%100
50	M17	Z	.686	.686	0	%100
51	M80	X	.941	.941	0	%100
52	M80	Z	.543	.543	0	%100
53	M81A	X	3.762	3.762	0	%100
54	M81A	Z	2.172	2.172	0	%100
55	M60	X	1.188	1.188	0	%100
56	M60	Z	.686	.686	0	%100
57	M61	X	1.188	1.188	0	%100
58	M61	Z	.686	.686	0	%100
59	M64	X	1.188	1.188	0	%100
60	M64	Z	.686	.686	0	%100
61	M65	X	1.188	1.188	0	%100
62	M65	Z	.686	.686	0	%100
63	M68	X	4.753	4.753	0	%100
64	M68	Z	2.744	2.744	0	%100
65	M69	X	4.753	4.753	0	%100
66	M69	Z	2.744	2.744	0	%100
67	M66A	X	3.183	3.183	0	%100
68	M66A	Z	1.838	1.838	0	%100
69	M67A	X	.796	.796	0	%100
70	M67A	Z	.459	.459	0	%100
71	M68A	X	.796	.796	0	%100
72	M68A	Z	.459	.459	0	%100
73	M69A	X	.796	.796	0	%100
74	M69A	Z	.459	.459	0	%100
75	MP1C	X	3.035	3.035	0	%100
76	MP1C	Z	1.752	1.752	0	%100
77	MP3C	X	3.035	3.035	0	%100
78	MP3C	Z	1.752	1.752	0	%100
79	MP4C	X	3.035	3.035	0	%100
80	MP4C	Z	1.752	1.752	0	%100
81	MP1B	X	3.035	3.035	0	%100
82	MP1B	Z	1.752	1.752	0	%100
83	MP3B	X	3.035	3.035	0	%100
84	MP3B	Z	1.752	1.752	0	%100
85	MP4B	X	3.035	3.035	0	%100
86	MP4B	Z	1.752	1.752	0	%100
87	OVP	X	2.779	2.779	0	%100
88	OVP	Z	1.604	1.604	0	%100
89	M76	X	.84	.84	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
90	M76	Z	.485	.485	0	%100
91	M94	X	.851	.851	0	%100
92	M94	Z	.491	.491	0	%100
93	MP2C	X	3.035	3.035	0	%100
94	MP2C	Z	1.752	1.752	0	%100
95	M91A	X	.84	.84	0	%100
96	M91A	Z	.485	.485	0	%100
97	MP2B	X	3.035	3.035	0	%100
98	MP2B	Z	1.752	1.752	0	%100
99	M95A	X	3.358	3.358	0	%100
100	M95A	Z	1.939	1.939	0	%100
101	M94B	X	.851	.851	0	%100
102	M94B	Z	.491	.491	0	%100
103	M95	X	.851	.851	0	%100
104	M95	Z	.491	.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	1.378	1.378	0	%100
4	M111	Z	2.388	2.388	0	%100
5	M21	X	1.573	1.573	0	%100
6	M21	Z	2.725	2.725	0	%100
7	M22	X	.000204	.000204	0	%100
8	M22	Z	.000354	.000354	0	%100
9	M33	X	1.538	1.538	0	%100
10	M33	Z	2.663	2.663	0	%100
11	M34	X	1.538	1.538	0	%100
12	M34	Z	2.663	2.663	0	%100
13	M45	X	.000204	.000204	0	%100
14	M45	Z	.000354	.000354	0	%100
15	M46	X	1.573	1.573	0	%100
16	M46	Z	2.725	2.725	0	%100
17	MP1A	X	1.752	1.752	0	%100
18	MP1A	Z	3.035	3.035	0	%100
19	MP2A	X	1.752	1.752	0	%100
20	MP2A	Z	3.035	3.035	0	%100
21	MP3A	X	1.752	1.752	0	%100
22	MP3A	Z	3.035	3.035	0	%100
23	MP4A	X	1.752	1.752	0	%100
24	MP4A	Z	3.035	3.035	0	%100
25	M1	X	1.629	1.629	0	%100
26	M1	Z	2.822	2.822	0	%100
27	M19	X	.553	.553	0	%100
28	M19	Z	.959	.959	0	%100
29	M31	X	2.214	2.214	0	%100
30	M31	Z	3.835	3.835	0	%100
31	M43	X	.553	.553	0	%100
32	M43	Z	.959	.959	0	%100
33	M3	X	2.058	2.058	0	%100
34	M3	Z	3.564	3.564	0	%100
35	M4	X	2.094	2.094	0	%100
36	M4	Z	3.627	3.627	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
41	M10	X	2.094	2.094	0	%100
42	M10	Z	3.627	3.627	0	%100
43	M11	X	2.058	2.058	0	%100
44	M11	Z	3.564	3.564	0	%100
45	M15	X	2.058	2.058	0	%100
46	M15	Z	3.564	3.564	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	2.058	2.058	0	%100
50	M17	Z	3.564	3.564	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	1.629	1.629	0	%100
54	M81A	Z	2.822	2.822	0	%100
55	M60	X	2.058	2.058	0	%100
56	M60	Z	3.564	3.564	0	%100
57	M61	X	2.058	2.058	0	%100
58	M61	Z	3.564	3.564	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	2.058	2.058	0	%100
64	M68	Z	3.564	3.564	0	%100
65	M69	X	2.058	2.058	0	%100
66	M69	Z	3.564	3.564	0	%100
67	M66A	X	1.378	1.378	0	%100
68	M66A	Z	2.388	2.388	0	%100
69	M67A	X	1.378	1.378	0	%100
70	M67A	Z	2.388	2.388	0	%100
71	M68A	X	1.378	1.378	0	%100
72	M68A	Z	2.388	2.388	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	1.752	1.752	0	%100
76	MP1C	Z	3.035	3.035	0	%100
77	MP3C	X	1.752	1.752	0	%100
78	MP3C	Z	3.035	3.035	0	%100
79	MP4C	X	1.752	1.752	0	%100
80	MP4C	Z	3.035	3.035	0	%100
81	MP1B	X	1.752	1.752	0	%100
82	MP1B	Z	3.035	3.035	0	%100
83	MP3B	X	1.752	1.752	0	%100
84	MP3B	Z	3.035	3.035	0	%100
85	MP4B	X	1.752	1.752	0	%100
86	MP4B	Z	3.035	3.035	0	%100
87	OVP	X	1.604	1.604	0	%100
88	OVP	Z	2.779	2.779	0	%100
89	M76	X	1.454	1.454	0	%100
90	M76	Z	2.519	2.519	0	%100
91	M94	X	1.474	1.474	0	%100
92	M94	Z	2.553	2.553	0	%100
93	MP2C	X	1.752	1.752	0	%100
94	MP2C	Z	3.035	3.035	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	1.752	1.752	0	%100
98	MP2B	Z	3.035	3.035	0	%100
99	M95A	X	1.454	1.454	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
100	M95A	Z	2.519	2.519	0	%100
101	M94B	X	1.474	1.474	0	%100
102	M94B	Z	2.553	2.553	0	%100
103	M95	X	1.474	1.474	0	%100
104	M95	Z	2.553	2.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	.919	.919	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	.919	.919	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	1.073	1.073	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	1.073	1.073	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	4.148	4.148	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	1.002	1.002	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	1.002	1.002	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	4.148	4.148	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	3.505	3.505	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	3.505	3.505	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	3.505	3.505	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	3.505	3.505	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	4.344	4.344	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	3.321	3.321	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	3.321	3.321	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	5.488	5.488	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	1.396	1.396	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	1.372	1.372	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	1.372	1.372	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	5.584	5.584	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	1.372	1.372	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	1.372	1.372	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	1.396	1.396	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	5.488	5.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
51	M80	X	0	0	0	%100
52	M80	Z	1.086	1.086	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	1.086	1.086	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	5.488	5.488	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	5.488	5.488	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	1.372	1.372	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	1.372	1.372	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	1.372	1.372	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	1.372	1.372	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	.919	.919	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	3.676	3.676	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	3.676	3.676	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	.919	.919	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	3.505	3.505	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	3.505	3.505	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	3.505	3.505	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	3.505	3.505	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	3.505	3.505	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	3.505	3.505	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	3.209	3.209	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	3.878	3.878	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	3.931	3.931	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.505	3.505	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.97	.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.505	3.505	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	.97	.97	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	3.931	3.931	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	3.931	3.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-1.378	-1.378	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
2	M32	Z	2.388	2.388	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.000204	-.000204	0	%100
6	M21	Z	.000354	.000354	0	%100
7	M22	X	-1.573	-1.573	0	%100
8	M22	Z	2.725	2.725	0	%100
9	M33	X	-1.573	-1.573	0	%100
10	M33	Z	2.725	2.725	0	%100
11	M34	X	-.000204	-.000204	0	%100
12	M34	Z	.000354	.000354	0	%100
13	M45	X	-1.538	-1.538	0	%100
14	M45	Z	2.663	2.663	0	%100
15	M46	X	-1.538	-1.538	0	%100
16	M46	Z	2.663	2.663	0	%100
17	MP1A	X	-1.752	-1.752	0	%100
18	MP1A	Z	3.035	3.035	0	%100
19	MP2A	X	-1.752	-1.752	0	%100
20	MP2A	Z	3.035	3.035	0	%100
21	MP3A	X	-1.752	-1.752	0	%100
22	MP3A	Z	3.035	3.035	0	%100
23	MP4A	X	-1.752	-1.752	0	%100
24	MP4A	Z	3.035	3.035	0	%100
25	M1	X	-1.629	-1.629	0	%100
26	M1	Z	2.822	2.822	0	%100
27	M19	X	-.553	-.553	0	%100
28	M19	Z	.959	.959	0	%100
29	M31	X	-.553	-.553	0	%100
30	M31	Z	.959	.959	0	%100
31	M43	X	-2.214	-2.214	0	%100
32	M43	Z	3.835	3.835	0	%100
33	M3	X	-2.058	-2.058	0	%100
34	M3	Z	3.564	3.564	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-2.058	-2.058	0	%100
38	M5	Z	3.564	3.564	0	%100
39	M9	X	-2.058	-2.058	0	%100
40	M9	Z	3.564	3.564	0	%100
41	M10	X	-2.094	-2.094	0	%100
42	M10	Z	3.627	3.627	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-2.094	-2.094	0	%100
48	M16	Z	3.627	3.627	0	%100
49	M17	X	-2.058	-2.058	0	%100
50	M17	Z	3.564	3.564	0	%100
51	M80	X	-1.629	-1.629	0	%100
52	M80	Z	2.822	2.822	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	-2.058	-2.058	0	%100
56	M60	Z	3.564	3.564	0	%100
57	M61	X	-2.058	-2.058	0	%100
58	M61	Z	3.564	3.564	0	%100
59	M64	X	-2.058	-2.058	0	%100
60	M64	Z	3.564	3.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	M65	X	-2.058	-2.058	0	%100
62	M65	Z	3.564	3.564	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-1.378	-1.378	0	%100
70	M67A	Z	2.388	2.388	0	%100
71	M68A	X	-1.378	-1.378	0	%100
72	M68A	Z	2.388	2.388	0	%100
73	M69A	X	-1.378	-1.378	0	%100
74	M69A	Z	2.388	2.388	0	%100
75	MP1C	X	-1.752	-1.752	0	%100
76	MP1C	Z	3.035	3.035	0	%100
77	MP3C	X	-1.752	-1.752	0	%100
78	MP3C	Z	3.035	3.035	0	%100
79	MP4C	X	-1.752	-1.752	0	%100
80	MP4C	Z	3.035	3.035	0	%100
81	MP1B	X	-1.752	-1.752	0	%100
82	MP1B	Z	3.035	3.035	0	%100
83	MP3B	X	-1.752	-1.752	0	%100
84	MP3B	Z	3.035	3.035	0	%100
85	MP4B	X	-1.752	-1.752	0	%100
86	MP4B	Z	3.035	3.035	0	%100
87	OVP	X	-1.604	-1.604	0	%100
88	OVP	Z	2.779	2.779	0	%100
89	M76	X	-1.454	-1.454	0	%100
90	M76	Z	2.519	2.519	0	%100
91	M94	X	-1.474	-1.474	0	%100
92	M94	Z	2.553	2.553	0	%100
93	MP2C	X	-1.752	-1.752	0	%100
94	MP2C	Z	3.035	3.035	0	%100
95	M91A	X	-1.454	-1.454	0	%100
96	M91A	Z	2.519	2.519	0	%100
97	MP2B	X	-1.752	-1.752	0	%100
98	MP2B	Z	3.035	3.035	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-1.474	-1.474	0	%100
102	M94B	Z	2.553	2.553	0	%100
103	M95	X	-1.474	-1.474	0	%100
104	M95	Z	2.553	2.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-3.183	-3.183	0	%100
2	M32	Z	1.838	1.838	0	%100
3	M111	X	-.796	-.796	0	%100
4	M111	Z	.459	.459	0	%100
5	M21	X	-.867	-.867	0	%100
6	M21	Z	.501	.501	0	%100
7	M22	X	-3.592	-3.592	0	%100
8	M22	Z	2.074	2.074	0	%100
9	M33	X	-.929	-.929	0	%100
10	M33	Z	.536	.536	0	%100
11	M34	X	-.929	-.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
12	M34	Z	.536	.536	0	%100
13	M45	X	-3.592	-3.592	0	%100
14	M45	Z	2.074	2.074	0	%100
15	M46	X	-.867	-.867	0	%100
16	M46	Z	.501	.501	0	%100
17	MP1A	X	-3.035	-3.035	0	%100
18	MP1A	Z	1.752	1.752	0	%100
19	MP2A	X	-3.035	-3.035	0	%100
20	MP2A	Z	1.752	1.752	0	%100
21	MP3A	X	-3.035	-3.035	0	%100
22	MP3A	Z	1.752	1.752	0	%100
23	MP4A	X	-3.035	-3.035	0	%100
24	MP4A	Z	1.752	1.752	0	%100
25	M1	X	-.941	-.941	0	%100
26	M1	Z	.543	.543	0	%100
27	M19	X	-2.876	-2.876	0	%100
28	M19	Z	1.66	1.66	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-2.876	-2.876	0	%100
32	M43	Z	1.66	1.66	0	%100
33	M3	X	-1.188	-1.188	0	%100
34	M3	Z	.686	.686	0	%100
35	M4	X	-1.209	-1.209	0	%100
36	M4	Z	.698	.698	0	%100
37	M5	X	-4.753	-4.753	0	%100
38	M5	Z	2.744	2.744	0	%100
39	M9	X	-4.753	-4.753	0	%100
40	M9	Z	2.744	2.744	0	%100
41	M10	X	-1.209	-1.209	0	%100
42	M10	Z	.698	.698	0	%100
43	M11	X	-1.188	-1.188	0	%100
44	M11	Z	.686	.686	0	%100
45	M15	X	-1.188	-1.188	0	%100
46	M15	Z	.686	.686	0	%100
47	M16	X	-4.836	-4.836	0	%100
48	M16	Z	2.792	2.792	0	%100
49	M17	X	-1.188	-1.188	0	%100
50	M17	Z	.686	.686	0	%100
51	M80	X	-3.762	-3.762	0	%100
52	M80	Z	2.172	2.172	0	%100
53	M81A	X	-.941	-.941	0	%100
54	M81A	Z	.543	.543	0	%100
55	M60	X	-1.188	-1.188	0	%100
56	M60	Z	.686	.686	0	%100
57	M61	X	-1.188	-1.188	0	%100
58	M61	Z	.686	.686	0	%100
59	M64	X	-4.753	-4.753	0	%100
60	M64	Z	2.744	2.744	0	%100
61	M65	X	-4.753	-4.753	0	%100
62	M65	Z	2.744	2.744	0	%100
63	M68	X	-1.188	-1.188	0	%100
64	M68	Z	.686	.686	0	%100
65	M69	X	-1.188	-1.188	0	%100
66	M69	Z	.686	.686	0	%100
67	M66A	X	-.796	-.796	0	%100
68	M66A	Z	.459	.459	0	%100
69	M67A	X	-.796	-.796	0	%100
70	M67A	Z	.459	.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
71	M68A	X	-.796	-.796	0	%100
72	M68A	Z	.459	.459	0	%100
73	M69A	X	-3.183	-3.183	0	%100
74	M69A	Z	1.838	1.838	0	%100
75	MP1C	X	-3.035	-3.035	0	%100
76	MP1C	Z	1.752	1.752	0	%100
77	MP3C	X	-3.035	-3.035	0	%100
78	MP3C	Z	1.752	1.752	0	%100
79	MP4C	X	-3.035	-3.035	0	%100
80	MP4C	Z	1.752	1.752	0	%100
81	MP1B	X	-3.035	-3.035	0	%100
82	MP1B	Z	1.752	1.752	0	%100
83	MP3B	X	-3.035	-3.035	0	%100
84	MP3B	Z	1.752	1.752	0	%100
85	MP4B	X	-3.035	-3.035	0	%100
86	MP4B	Z	1.752	1.752	0	%100
87	OVP	X	-2.779	-2.779	0	%100
88	OVP	Z	1.604	1.604	0	%100
89	M76	X	-.84	-.84	0	%100
90	M76	Z	.485	.485	0	%100
91	M94	X	-.851	-.851	0	%100
92	M94	Z	.491	.491	0	%100
93	MP2C	X	-3.035	-3.035	0	%100
94	MP2C	Z	1.752	1.752	0	%100
95	M91A	X	-3.358	-3.358	0	%100
96	M91A	Z	1.939	1.939	0	%100
97	MP2B	X	-3.035	-3.035	0	%100
98	MP2B	Z	1.752	1.752	0	%100
99	M95A	X	-.84	-.84	0	%100
100	M95A	Z	.485	.485	0	%100
101	M94B	X	-.851	-.851	0	%100
102	M94B	Z	.491	.491	0	%100
103	M95	X	-.851	-.851	0	%100
104	M95	Z	.491	.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-2.757	-2.757	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-2.757	-2.757	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-3.075	-3.075	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	-3.075	-3.075	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-.000409	-.000409	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-3.146	-3.146	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-3.146	-3.146	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-.000409	-.000409	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	-3.505	-3.505	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-3.505	-3.505	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-3.505	-3.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-3.505	-3.505	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-4.428	-4.428	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-1.107	-1.107	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-1.107	-1.107	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-4.188	-4.188	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-4.116	-4.116	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-4.116	-4.116	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	-4.116	-4.116	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-4.116	-4.116	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-4.188	-4.188	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-3.258	-3.258	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-3.258	-3.258	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-4.116	-4.116	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-4.116	-4.116	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-4.116	-4.116	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-4.116	-4.116	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-2.757	-2.757	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-2.757	-2.757	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-3.505	-3.505	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-3.505	-3.505	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-3.505	-3.505	0	%100
80	MP4C	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,...	Start Location[ft,%]	End Location[ft,%]
81	MP1B	X	-3.505	-3.505	0	%100
82	MP1B	Z	0	0	0	%100
83	MP3B	X	-3.505	-3.505	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-3.505	-3.505	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-3.209	-3.209	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-3.505	-3.505	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-2.909	-2.909	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-3.505	-3.505	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-2.909	-2.909	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.796	-.796	0	%100
2	M32	Z	-.459	-.459	0	%100
3	M111	X	-3.183	-3.183	0	%100
4	M111	Z	-1.838	-1.838	0	%100
5	M21	X	-3.592	-3.592	0	%100
6	M21	Z	-2.074	-2.074	0	%100
7	M22	X	-.867	-.867	0	%100
8	M22	Z	-.501	-.501	0	%100
9	M33	X	-.867	-.867	0	%100
10	M33	Z	-.501	-.501	0	%100
11	M34	X	-3.592	-3.592	0	%100
12	M34	Z	-2.074	-2.074	0	%100
13	M45	X	-.929	-.929	0	%100
14	M45	Z	-.536	-.536	0	%100
15	M46	X	-.929	-.929	0	%100
16	M46	Z	-.536	-.536	0	%100
17	MP1A	X	-3.035	-3.035	0	%100
18	MP1A	Z	-1.752	-1.752	0	%100
19	MP2A	X	-3.035	-3.035	0	%100
20	MP2A	Z	-1.752	-1.752	0	%100
21	MP3A	X	-3.035	-3.035	0	%100
22	MP3A	Z	-1.752	-1.752	0	%100
23	MP4A	X	-3.035	-3.035	0	%100
24	MP4A	Z	-1.752	-1.752	0	%100
25	M1	X	-.941	-.941	0	%100
26	M1	Z	-.543	-.543	0	%100
27	M19	X	-2.876	-2.876	0	%100
28	M19	Z	-1.66	-1.66	0	%100
29	M31	X	-2.876	-2.876	0	%100
30	M31	Z	-1.66	-1.66	0	%100
31	M43	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
32	M43	Z	0	0	0	%100
33	M3	X	-1.188	-1.188	0	%100
34	M3	Z	-.686	-.686	0	%100
35	M4	X	-4.836	-4.836	0	%100
36	M4	Z	-2.792	-2.792	0	%100
37	M5	X	-1.188	-1.188	0	%100
38	M5	Z	-.686	-.686	0	%100
39	M9	X	-1.188	-1.188	0	%100
40	M9	Z	-.686	-.686	0	%100
41	M10	X	-1.209	-1.209	0	%100
42	M10	Z	-.698	-.698	0	%100
43	M11	X	-4.753	-4.753	0	%100
44	M11	Z	-2.744	-2.744	0	%100
45	M15	X	-4.753	-4.753	0	%100
46	M15	Z	-2.744	-2.744	0	%100
47	M16	X	-1.209	-1.209	0	%100
48	M16	Z	-.698	-.698	0	%100
49	M17	X	-1.188	-1.188	0	%100
50	M17	Z	-.686	-.686	0	%100
51	M80	X	-.941	-.941	0	%100
52	M80	Z	-.543	-.543	0	%100
53	M81A	X	-3.762	-3.762	0	%100
54	M81A	Z	-2.172	-2.172	0	%100
55	M60	X	-1.188	-1.188	0	%100
56	M60	Z	-.686	-.686	0	%100
57	M61	X	-1.188	-1.188	0	%100
58	M61	Z	-.686	-.686	0	%100
59	M64	X	-1.188	-1.188	0	%100
60	M64	Z	-.686	-.686	0	%100
61	M65	X	-1.188	-1.188	0	%100
62	M65	Z	-.686	-.686	0	%100
63	M68	X	-4.753	-4.753	0	%100
64	M68	Z	-2.744	-2.744	0	%100
65	M69	X	-4.753	-4.753	0	%100
66	M69	Z	-2.744	-2.744	0	%100
67	M66A	X	-3.183	-3.183	0	%100
68	M66A	Z	-1.838	-1.838	0	%100
69	M67A	X	-.796	-.796	0	%100
70	M67A	Z	-.459	-.459	0	%100
71	M68A	X	-.796	-.796	0	%100
72	M68A	Z	-.459	-.459	0	%100
73	M69A	X	-.796	-.796	0	%100
74	M69A	Z	-.459	-.459	0	%100
75	MP1C	X	-3.035	-3.035	0	%100
76	MP1C	Z	-1.752	-1.752	0	%100
77	MP3C	X	-3.035	-3.035	0	%100
78	MP3C	Z	-1.752	-1.752	0	%100
79	MP4C	X	-3.035	-3.035	0	%100
80	MP4C	Z	-1.752	-1.752	0	%100
81	MP1B	X	-3.035	-3.035	0	%100
82	MP1B	Z	-1.752	-1.752	0	%100
83	MP3B	X	-3.035	-3.035	0	%100
84	MP3B	Z	-1.752	-1.752	0	%100
85	MP4B	X	-3.035	-3.035	0	%100
86	MP4B	Z	-1.752	-1.752	0	%100
87	OVP	X	-2.779	-2.779	0	%100
88	OVP	Z	-1.604	-1.604	0	%100
89	M76	X	-.84	-.84	0	%100
90	M76	Z	-.485	-.485	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
91	M94	X	-.851	-.851	0	%100
92	M94	Z	-.491	-.491	0	%100
93	MP2C	X	-3.035	-3.035	0	%100
94	MP2C	Z	-1.752	-1.752	0	%100
95	M91A	X	-.84	-.84	0	%100
96	M91A	Z	-.485	-.485	0	%100
97	MP2B	X	-3.035	-3.035	0	%100
98	MP2B	Z	-1.752	-1.752	0	%100
99	M95A	X	-3.358	-3.358	0	%100
100	M95A	Z	-1.939	-1.939	0	%100
101	M94B	X	-.851	-.851	0	%100
102	M94B	Z	-.491	-.491	0	%100
103	M95	X	-.851	-.851	0	%100
104	M95	Z	-.491	-.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-1.378	-1.378	0	%100
4	M111	Z	-2.388	-2.388	0	%100
5	M21	X	-1.573	-1.573	0	%100
6	M21	Z	-2.725	-2.725	0	%100
7	M22	X	-.000204	-.000204	0	%100
8	M22	Z	-.000354	-.000354	0	%100
9	M33	X	-1.538	-1.538	0	%100
10	M33	Z	-2.663	-2.663	0	%100
11	M34	X	-1.538	-1.538	0	%100
12	M34	Z	-2.663	-2.663	0	%100
13	M45	X	-.000204	-.000204	0	%100
14	M45	Z	-.000354	-.000354	0	%100
15	M46	X	-1.573	-1.573	0	%100
16	M46	Z	-2.725	-2.725	0	%100
17	MP1A	X	-1.752	-1.752	0	%100
18	MP1A	Z	-3.035	-3.035	0	%100
19	MP2A	X	-1.752	-1.752	0	%100
20	MP2A	Z	-3.035	-3.035	0	%100
21	MP3A	X	-1.752	-1.752	0	%100
22	MP3A	Z	-3.035	-3.035	0	%100
23	MP4A	X	-1.752	-1.752	0	%100
24	MP4A	Z	-3.035	-3.035	0	%100
25	M1	X	-1.629	-1.629	0	%100
26	M1	Z	-2.822	-2.822	0	%100
27	M19	X	-.553	-.553	0	%100
28	M19	Z	-.959	-.959	0	%100
29	M31	X	-2.214	-2.214	0	%100
30	M31	Z	-3.835	-3.835	0	%100
31	M43	X	-.553	-.553	0	%100
32	M43	Z	-.959	-.959	0	%100
33	M3	X	-2.058	-2.058	0	%100
34	M3	Z	-3.564	-3.564	0	%100
35	M4	X	-2.094	-2.094	0	%100
36	M4	Z	-3.627	-3.627	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-2.094	-2.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
42	M10	Z	-3.627	-3.627	0	%100
43	M11	X	-2.058	-2.058	0	%100
44	M11	Z	-3.564	-3.564	0	%100
45	M15	X	-2.058	-2.058	0	%100
46	M15	Z	-3.564	-3.564	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-2.058	-2.058	0	%100
50	M17	Z	-3.564	-3.564	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-1.629	-1.629	0	%100
54	M81A	Z	-2.822	-2.822	0	%100
55	M60	X	-2.058	-2.058	0	%100
56	M60	Z	-3.564	-3.564	0	%100
57	M61	X	-2.058	-2.058	0	%100
58	M61	Z	-3.564	-3.564	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-2.058	-2.058	0	%100
64	M68	Z	-3.564	-3.564	0	%100
65	M69	X	-2.058	-2.058	0	%100
66	M69	Z	-3.564	-3.564	0	%100
67	M66A	X	-1.378	-1.378	0	%100
68	M66A	Z	-2.388	-2.388	0	%100
69	M67A	X	-1.378	-1.378	0	%100
70	M67A	Z	-2.388	-2.388	0	%100
71	M68A	X	-1.378	-1.378	0	%100
72	M68A	Z	-2.388	-2.388	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-1.752	-1.752	0	%100
76	MP1C	Z	-3.035	-3.035	0	%100
77	MP3C	X	-1.752	-1.752	0	%100
78	MP3C	Z	-3.035	-3.035	0	%100
79	MP4C	X	-1.752	-1.752	0	%100
80	MP4C	Z	-3.035	-3.035	0	%100
81	MP1B	X	-1.752	-1.752	0	%100
82	MP1B	Z	-3.035	-3.035	0	%100
83	MP3B	X	-1.752	-1.752	0	%100
84	MP3B	Z	-3.035	-3.035	0	%100
85	MP4B	X	-1.752	-1.752	0	%100
86	MP4B	Z	-3.035	-3.035	0	%100
87	OVP	X	-1.604	-1.604	0	%100
88	OVP	Z	-2.779	-2.779	0	%100
89	M76	X	-1.454	-1.454	0	%100
90	M76	Z	-2.519	-2.519	0	%100
91	M94	X	-1.474	-1.474	0	%100
92	M94	Z	-2.553	-2.553	0	%100
93	MP2C	X	-1.752	-1.752	0	%100
94	MP2C	Z	-3.035	-3.035	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-1.752	-1.752	0	%100
98	MP2B	Z	-3.035	-3.035	0	%100
99	M95A	X	-1.454	-1.454	0	%100
100	M95A	Z	-2.519	-2.519	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
101	M94B	X	-1.474	-1.474	0	%100
102	M94B	Z	-2.553	-2.553	0	%100
103	M95	X	-1.474	-1.474	0	%100
104	M95	Z	-2.553	-2.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	-.207	-.207	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	-.207	-.207	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-.232	-.232	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	-.232	-.232	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	-.895	-.895	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	-.216	-.216	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-.216	-.216	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-.895	-.895	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-.638	-.638	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-.638	-.638	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-.638	-.638	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-.638	-.638	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	-.92	-.92	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	-.728	-.728	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	-.728	-.728	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	-1.612	-1.612	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	-.403	-.403	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	-.403	-.403	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	-.403	-.403	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	-1.612	-1.612	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	-.403	-.403	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	-.403	-.403	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	-.403	-.403	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	-1.612	-1.612	0	%100
51	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
52	M80	Z	-.23	-.23	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	-.23	-.23	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	-1.612	-1.612	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	-1.612	-1.612	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	-.403	-.403	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	-.403	-.403	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-.403	-.403	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-.403	-.403	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	-.207	-.207	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	-.826	-.826	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	-.826	-.826	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	-.207	-.207	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.638	-.638	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	-.638	-.638	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-.638	-.638	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	-.638	-.638	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-.638	-.638	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	-.638	-.638	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	-.581	-.581	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	-.772	-.772	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	-.962	-.962	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.638	-.638	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	-.193	-.193	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.638	-.638	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	-.193	-.193	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	-.962	-.962	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-.962	-.962	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.31	.31	0	%100
2	M32	Z	-.537	-.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
3	M111	X	0	0	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	4.4e-5	4.4e-5	0	%100
6	M21	Z	-7.6e-5	-7.6e-5	0	%100
7	M22	X	.34	.34	0	%100
8	M22	Z	-.588	-.588	0	%100
9	M33	X	.34	.34	0	%100
10	M33	Z	-.588	-.588	0	%100
11	M34	X	4.4e-5	4.4e-5	0	%100
12	M34	Z	-7.6e-5	-7.6e-5	0	%100
13	M45	X	.332	.332	0	%100
14	M45	Z	-.575	-.575	0	%100
15	M46	X	.332	.332	0	%100
16	M46	Z	-.575	-.575	0	%100
17	MP1A	X	.319	.319	0	%100
18	MP1A	Z	-.553	-.553	0	%100
19	MP2A	X	.319	.319	0	%100
20	MP2A	Z	-.553	-.553	0	%100
21	MP3A	X	.319	.319	0	%100
22	MP3A	Z	-.553	-.553	0	%100
23	MP4A	X	.319	.319	0	%100
24	MP4A	Z	-.553	-.553	0	%100
25	M1	X	.345	.345	0	%100
26	M1	Z	-.598	-.598	0	%100
27	M19	X	.121	.121	0	%100
28	M19	Z	-.21	-.21	0	%100
29	M31	X	.121	.121	0	%100
30	M31	Z	-.21	-.21	0	%100
31	M43	X	.485	.485	0	%100
32	M43	Z	-.84	-.84	0	%100
33	M3	X	.604	.604	0	%100
34	M3	Z	-1.047	-1.047	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	.604	.604	0	%100
38	M5	Z	-1.047	-1.047	0	%100
39	M9	X	.604	.604	0	%100
40	M9	Z	-1.047	-1.047	0	%100
41	M10	X	.604	.604	0	%100
42	M10	Z	-1.047	-1.047	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	.604	.604	0	%100
48	M16	Z	-1.047	-1.047	0	%100
49	M17	X	.604	.604	0	%100
50	M17	Z	-1.047	-1.047	0	%100
51	M80	X	.345	.345	0	%100
52	M80	Z	-.598	-.598	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	.604	.604	0	%100
56	M60	Z	-1.047	-1.047	0	%100
57	M61	X	.604	.604	0	%100
58	M61	Z	-1.047	-1.047	0	%100
59	M64	X	.604	.604	0	%100
60	M64	Z	-1.047	-1.047	0	%100
61	M65	X	.604	.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
62	M65	Z	-1.047	-1.047	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	.31	.31	0	%100
70	M67A	Z	-.537	-.537	0	%100
71	M68A	X	.31	.31	0	%100
72	M68A	Z	-.537	-.537	0	%100
73	M69A	X	.31	.31	0	%100
74	M69A	Z	-.537	-.537	0	%100
75	MP1C	X	.319	.319	0	%100
76	MP1C	Z	-.553	-.553	0	%100
77	MP3C	X	.319	.319	0	%100
78	MP3C	Z	-.553	-.553	0	%100
79	MP4C	X	.319	.319	0	%100
80	MP4C	Z	-.553	-.553	0	%100
81	MP1B	X	.319	.319	0	%100
82	MP1B	Z	-.553	-.553	0	%100
83	MP3B	X	.319	.319	0	%100
84	MP3B	Z	-.553	-.553	0	%100
85	MP4B	X	.319	.319	0	%100
86	MP4B	Z	-.553	-.553	0	%100
87	OVP	X	.291	.291	0	%100
88	OVP	Z	-.503	-.503	0	%100
89	M76	X	.29	.29	0	%100
90	M76	Z	-.502	-.502	0	%100
91	M94	X	.361	.361	0	%100
92	M94	Z	-.625	-.625	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	-.553	-.553	0	%100
95	M91A	X	.29	.29	0	%100
96	M91A	Z	-.502	-.502	0	%100
97	MP2B	X	.319	.319	0	%100
98	MP2B	Z	-.553	-.553	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	.361	.361	0	%100
102	M94B	Z	-.625	-.625	0	%100
103	M95	X	.361	.361	0	%100
104	M95	Z	-.625	-.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.715	.715	0	%100
2	M32	Z	-.413	-.413	0	%100
3	M111	X	.179	.179	0	%100
4	M111	Z	-.103	-.103	0	%100
5	M21	X	.187	.187	0	%100
6	M21	Z	-.108	-.108	0	%100
7	M22	X	.775	.775	0	%100
8	M22	Z	-.448	-.448	0	%100
9	M33	X	.201	.201	0	%100
10	M33	Z	-.116	-.116	0	%100
11	M34	X	.201	.201	0	%100
12	M34	Z	-.116	-.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	M45	X	.775	.775	0	%100
14	M45	Z	-.448	-.448	0	%100
15	M46	X	.187	.187	0	%100
16	M46	Z	-.108	-.108	0	%100
17	MP1A	X	.553	.553	0	%100
18	MP1A	Z	-.319	-.319	0	%100
19	MP2A	X	.553	.553	0	%100
20	MP2A	Z	-.319	-.319	0	%100
21	MP3A	X	.553	.553	0	%100
22	MP3A	Z	-.319	-.319	0	%100
23	MP4A	X	.553	.553	0	%100
24	MP4A	Z	-.319	-.319	0	%100
25	M1	X	.199	.199	0	%100
26	M1	Z	-.115	-.115	0	%100
27	M19	X	.63	.63	0	%100
28	M19	Z	-.364	-.364	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	.63	.63	0	%100
32	M43	Z	-.364	-.364	0	%100
33	M3	X	.349	.349	0	%100
34	M3	Z	-.201	-.201	0	%100
35	M4	X	.349	.349	0	%100
36	M4	Z	-.201	-.201	0	%100
37	M5	X	1.396	1.396	0	%100
38	M5	Z	-.806	-.806	0	%100
39	M9	X	1.396	1.396	0	%100
40	M9	Z	-.806	-.806	0	%100
41	M10	X	.349	.349	0	%100
42	M10	Z	-.201	-.201	0	%100
43	M11	X	.349	.349	0	%100
44	M11	Z	-.201	-.201	0	%100
45	M15	X	.349	.349	0	%100
46	M15	Z	-.201	-.201	0	%100
47	M16	X	1.396	1.396	0	%100
48	M16	Z	-.806	-.806	0	%100
49	M17	X	.349	.349	0	%100
50	M17	Z	-.201	-.201	0	%100
51	M80	X	.797	.797	0	%100
52	M80	Z	-.46	-.46	0	%100
53	M81A	X	.199	.199	0	%100
54	M81A	Z	-.115	-.115	0	%100
55	M60	X	.349	.349	0	%100
56	M60	Z	-.201	-.201	0	%100
57	M61	X	.349	.349	0	%100
58	M61	Z	-.201	-.201	0	%100
59	M64	X	1.396	1.396	0	%100
60	M64	Z	-.806	-.806	0	%100
61	M65	X	1.396	1.396	0	%100
62	M65	Z	-.806	-.806	0	%100
63	M68	X	.349	.349	0	%100
64	M68	Z	-.201	-.201	0	%100
65	M69	X	.349	.349	0	%100
66	M69	Z	-.201	-.201	0	%100
67	M66A	X	.179	.179	0	%100
68	M66A	Z	-.103	-.103	0	%100
69	M67A	X	.179	.179	0	%100
70	M67A	Z	-.103	-.103	0	%100
71	M68A	X	.179	.179	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
72	M68A	Z	-.103	-.103	0	%100
73	M69A	X	.715	.715	0	%100
74	M69A	Z	-.413	-.413	0	%100
75	MP1C	X	.553	.553	0	%100
76	MP1C	Z	-.319	-.319	0	%100
77	MP3C	X	.553	.553	0	%100
78	MP3C	Z	-.319	-.319	0	%100
79	MP4C	X	.553	.553	0	%100
80	MP4C	Z	-.319	-.319	0	%100
81	MP1B	X	.553	.553	0	%100
82	MP1B	Z	-.319	-.319	0	%100
83	MP3B	X	.553	.553	0	%100
84	MP3B	Z	-.319	-.319	0	%100
85	MP4B	X	.553	.553	0	%100
86	MP4B	Z	-.319	-.319	0	%100
87	OVP	X	.503	.503	0	%100
88	OVP	Z	-.291	-.291	0	%100
89	M76	X	.167	.167	0	%100
90	M76	Z	-.097	-.097	0	%100
91	M94	X	.208	.208	0	%100
92	M94	Z	-.12	-.12	0	%100
93	MP2C	X	.553	.553	0	%100
94	MP2C	Z	-.319	-.319	0	%100
95	M91A	X	.669	.669	0	%100
96	M91A	Z	-.386	-.386	0	%100
97	MP2B	X	.553	.553	0	%100
98	MP2B	Z	-.319	-.319	0	%100
99	M95A	X	.167	.167	0	%100
100	M95A	Z	-.097	-.097	0	%100
101	M94B	X	.208	.208	0	%100
102	M94B	Z	-.12	-.12	0	%100
103	M95	X	.208	.208	0	%100
104	M95	Z	-.12	-.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.62	.62	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	.62	.62	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	.664	.664	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	.664	.664	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	8.8e-5	8.8e-5	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	.679	.679	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	.679	.679	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	8.8e-5	8.8e-5	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	.638	.638	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	.638	.638	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	.638	.638	0	%100
22	MP3A	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,...	Start Location[ft,%]	End Location[ft,%]
23	MP4A	X	.638	.638	0	%100
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	.97	.97	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	.243	.243	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	.243	.243	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	1.209	1.209	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	1.209	1.209	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	1.209	1.209	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	1.209	1.209	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	1.209	1.209	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	1.209	1.209	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	.69	.69	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	.69	.69	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	1.209	1.209	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	1.209	1.209	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	1.209	1.209	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	1.209	1.209	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	.62	.62	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	.62	.62	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	.638	.638	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	.638	.638	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	.638	.638	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	.638	.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
82	MP1B	Z	0	0	0	%100
83	MP3B	X	.638	.638	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	.638	.638	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	.581	.581	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	.638	.638	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	.579	.579	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	.638	.638	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	.579	.579	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	.179	.179	0	%100
2	M32	Z	.103	.103	0	%100
3	M111	X	.715	.715	0	%100
4	M111	Z	.413	.413	0	%100
5	M21	X	.775	.775	0	%100
6	M21	Z	.448	.448	0	%100
7	M22	X	.187	.187	0	%100
8	M22	Z	.108	.108	0	%100
9	M33	X	.187	.187	0	%100
10	M33	Z	.108	.108	0	%100
11	M34	X	.775	.775	0	%100
12	M34	Z	.448	.448	0	%100
13	M45	X	.201	.201	0	%100
14	M45	Z	.116	.116	0	%100
15	M46	X	.201	.201	0	%100
16	M46	Z	.116	.116	0	%100
17	MP1A	X	.553	.553	0	%100
18	MP1A	Z	.319	.319	0	%100
19	MP2A	X	.553	.553	0	%100
20	MP2A	Z	.319	.319	0	%100
21	MP3A	X	.553	.553	0	%100
22	MP3A	Z	.319	.319	0	%100
23	MP4A	X	.553	.553	0	%100
24	MP4A	Z	.319	.319	0	%100
25	M1	X	.199	.199	0	%100
26	M1	Z	.115	.115	0	%100
27	M19	X	.63	.63	0	%100
28	M19	Z	.364	.364	0	%100
29	M31	X	.63	.63	0	%100
30	M31	Z	.364	.364	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M3	X	.349	.349	0	%100
34	M3	Z	.201	.201	0	%100
35	M4	X	1.396	1.396	0	%100
36	M4	Z	.806	.806	0	%100
37	M5	X	.349	.349	0	%100
38	M5	Z	.201	.201	0	%100
39	M9	X	.349	.349	0	%100
40	M9	Z	.201	.201	0	%100
41	M10	X	.349	.349	0	%100
42	M10	Z	.201	.201	0	%100
43	M11	X	1.396	1.396	0	%100
44	M11	Z	.806	.806	0	%100
45	M15	X	1.396	1.396	0	%100
46	M15	Z	.806	.806	0	%100
47	M16	X	.349	.349	0	%100
48	M16	Z	.201	.201	0	%100
49	M17	X	.349	.349	0	%100
50	M17	Z	.201	.201	0	%100
51	M80	X	.199	.199	0	%100
52	M80	Z	.115	.115	0	%100
53	M81A	X	.797	.797	0	%100
54	M81A	Z	.46	.46	0	%100
55	M60	X	.349	.349	0	%100
56	M60	Z	.201	.201	0	%100
57	M61	X	.349	.349	0	%100
58	M61	Z	.201	.201	0	%100
59	M64	X	.349	.349	0	%100
60	M64	Z	.201	.201	0	%100
61	M65	X	.349	.349	0	%100
62	M65	Z	.201	.201	0	%100
63	M68	X	1.396	1.396	0	%100
64	M68	Z	.806	.806	0	%100
65	M69	X	1.396	1.396	0	%100
66	M69	Z	.806	.806	0	%100
67	M66A	X	.715	.715	0	%100
68	M66A	Z	.413	.413	0	%100
69	M67A	X	.179	.179	0	%100
70	M67A	Z	.103	.103	0	%100
71	M68A	X	.179	.179	0	%100
72	M68A	Z	.103	.103	0	%100
73	M69A	X	.179	.179	0	%100
74	M69A	Z	.103	.103	0	%100
75	MP1C	X	.553	.553	0	%100
76	MP1C	Z	.319	.319	0	%100
77	MP3C	X	.553	.553	0	%100
78	MP3C	Z	.319	.319	0	%100
79	MP4C	X	.553	.553	0	%100
80	MP4C	Z	.319	.319	0	%100
81	MP1B	X	.553	.553	0	%100
82	MP1B	Z	.319	.319	0	%100
83	MP3B	X	.553	.553	0	%100
84	MP3B	Z	.319	.319	0	%100
85	MP4B	X	.553	.553	0	%100
86	MP4B	Z	.319	.319	0	%100
87	OVP	X	.503	.503	0	%100
88	OVP	Z	.291	.291	0	%100
89	M76	X	.167	.167	0	%100
90	M76	Z	.097	.097	0	%100
91	M94	X	.208	.208	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
92	M94	Z	.12	.12	0	%100
93	MP2C	X	.553	.553	0	%100
94	MP2C	Z	.319	.319	0	%100
95	M91A	X	.167	.167	0	%100
96	M91A	Z	.097	.097	0	%100
97	MP2B	X	.553	.553	0	%100
98	MP2B	Z	.319	.319	0	%100
99	M95A	X	.669	.669	0	%100
100	M95A	Z	.386	.386	0	%100
101	M94B	X	.208	.208	0	%100
102	M94B	Z	.12	.12	0	%100
103	M95	X	.208	.208	0	%100
104	M95	Z	.12	.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	.31	.31	0	%100
4	M111	Z	.537	.537	0	%100
5	M21	X	.34	.34	0	%100
6	M21	Z	.588	.588	0	%100
7	M22	X	4.4e-5	4.4e-5	0	%100
8	M22	Z	7.6e-5	7.6e-5	0	%100
9	M33	X	.332	.332	0	%100
10	M33	Z	.575	.575	0	%100
11	M34	X	.332	.332	0	%100
12	M34	Z	.575	.575	0	%100
13	M45	X	4.4e-5	4.4e-5	0	%100
14	M45	Z	7.6e-5	7.6e-5	0	%100
15	M46	X	.34	.34	0	%100
16	M46	Z	.588	.588	0	%100
17	MP1A	X	.319	.319	0	%100
18	MP1A	Z	.553	.553	0	%100
19	MP2A	X	.319	.319	0	%100
20	MP2A	Z	.553	.553	0	%100
21	MP3A	X	.319	.319	0	%100
22	MP3A	Z	.553	.553	0	%100
23	MP4A	X	.319	.319	0	%100
24	MP4A	Z	.553	.553	0	%100
25	M1	X	.345	.345	0	%100
26	M1	Z	.598	.598	0	%100
27	M19	X	.121	.121	0	%100
28	M19	Z	.21	.21	0	%100
29	M31	X	.485	.485	0	%100
30	M31	Z	.84	.84	0	%100
31	M43	X	.121	.121	0	%100
32	M43	Z	.21	.21	0	%100
33	M3	X	.604	.604	0	%100
34	M3	Z	1.047	1.047	0	%100
35	M4	X	.604	.604	0	%100
36	M4	Z	1.047	1.047	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	.604	.604	0	%100
42	M10	Z	1.047	1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	M11	X	.604	.604	0	%100
44	M11	Z	1.047	1.047	0	%100
45	M15	X	.604	.604	0	%100
46	M15	Z	1.047	1.047	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	.604	.604	0	%100
50	M17	Z	1.047	1.047	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	.345	.345	0	%100
54	M81A	Z	.598	.598	0	%100
55	M60	X	.604	.604	0	%100
56	M60	Z	1.047	1.047	0	%100
57	M61	X	.604	.604	0	%100
58	M61	Z	1.047	1.047	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	.604	.604	0	%100
64	M68	Z	1.047	1.047	0	%100
65	M69	X	.604	.604	0	%100
66	M69	Z	1.047	1.047	0	%100
67	M66A	X	.31	.31	0	%100
68	M66A	Z	.537	.537	0	%100
69	M67A	X	.31	.31	0	%100
70	M67A	Z	.537	.537	0	%100
71	M68A	X	.31	.31	0	%100
72	M68A	Z	.537	.537	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	.319	.319	0	%100
76	MP1C	Z	.553	.553	0	%100
77	MP3C	X	.319	.319	0	%100
78	MP3C	Z	.553	.553	0	%100
79	MP4C	X	.319	.319	0	%100
80	MP4C	Z	.553	.553	0	%100
81	MP1B	X	.319	.319	0	%100
82	MP1B	Z	.553	.553	0	%100
83	MP3B	X	.319	.319	0	%100
84	MP3B	Z	.553	.553	0	%100
85	MP4B	X	.319	.319	0	%100
86	MP4B	Z	.553	.553	0	%100
87	OVP	X	.291	.291	0	%100
88	OVP	Z	.503	.503	0	%100
89	M76	X	.29	.29	0	%100
90	M76	Z	.502	.502	0	%100
91	M94	X	.361	.361	0	%100
92	M94	Z	.625	.625	0	%100
93	MP2C	X	.319	.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	.319	.319	0	%100
98	MP2B	Z	.553	.553	0	%100
99	M95A	X	.29	.29	0	%100
100	M95A	Z	.502	.502	0	%100
101	M94B	X	.361	.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
102	M94B	Z	.625	.625	0	%100
103	M95	X	.361	.361	0	%100
104	M95	Z	.625	.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	.207	.207	0	%100
3	M111	X	0	0	0	%100
4	M111	Z	.207	.207	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	.232	.232	0	%100
7	M22	X	0	0	0	%100
8	M22	Z	.232	.232	0	%100
9	M33	X	0	0	0	%100
10	M33	Z	.895	.895	0	%100
11	M34	X	0	0	0	%100
12	M34	Z	.216	.216	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	.216	.216	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	.895	.895	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	.638	.638	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.638	.638	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	.638	.638	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	.638	.638	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	.92	.92	0	%100
27	M19	X	0	0	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	.728	.728	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	.728	.728	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	1.612	1.612	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	.403	.403	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	.403	.403	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	.403	.403	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	1.612	1.612	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	.403	.403	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	.403	.403	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	.403	.403	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	1.612	1.612	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	.23	.23	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M81A	X	0	0	0	%100
54	M81A	Z	.23	.23	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	1.612	1.612	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	1.612	1.612	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	.403	.403	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	.403	.403	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	.403	.403	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	.403	.403	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	.207	.207	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	.826	.826	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	.826	.826	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	.207	.207	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.638	.638	0	%100
77	MP3C	X	0	0	0	%100
78	MP3C	Z	.638	.638	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	.638	.638	0	%100
81	MP1B	X	0	0	0	%100
82	MP1B	Z	.638	.638	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	.638	.638	0	%100
85	MP4B	X	0	0	0	%100
86	MP4B	Z	.638	.638	0	%100
87	OVP	X	0	0	0	%100
88	OVP	Z	.581	.581	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	.772	.772	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	.962	.962	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.638	.638	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	.193	.193	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.638	.638	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	.193	.193	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	.962	.962	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	.962	.962	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.31	-.31	0	%100
2	M32	Z	.537	.537	0	%100
3	M111	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
4	M111	Z	0	0	0	%100
5	M21	X	-4.4e-5	-4.4e-5	0	%100
6	M21	Z	7.6e-5	7.6e-5	0	%100
7	M22	X	-.34	-.34	0	%100
8	M22	Z	.588	.588	0	%100
9	M33	X	-.34	-.34	0	%100
10	M33	Z	.588	.588	0	%100
11	M34	X	-4.4e-5	-4.4e-5	0	%100
12	M34	Z	7.6e-5	7.6e-5	0	%100
13	M45	X	-.332	-.332	0	%100
14	M45	Z	.575	.575	0	%100
15	M46	X	-.332	-.332	0	%100
16	M46	Z	.575	.575	0	%100
17	MP1A	X	-.319	-.319	0	%100
18	MP1A	Z	.553	.553	0	%100
19	MP2A	X	-.319	-.319	0	%100
20	MP2A	Z	.553	.553	0	%100
21	MP3A	X	-.319	-.319	0	%100
22	MP3A	Z	.553	.553	0	%100
23	MP4A	X	-.319	-.319	0	%100
24	MP4A	Z	.553	.553	0	%100
25	M1	X	-.345	-.345	0	%100
26	M1	Z	.598	.598	0	%100
27	M19	X	-.121	-.121	0	%100
28	M19	Z	.21	.21	0	%100
29	M31	X	-.121	-.121	0	%100
30	M31	Z	.21	.21	0	%100
31	M43	X	-.485	-.485	0	%100
32	M43	Z	.84	.84	0	%100
33	M3	X	-.604	-.604	0	%100
34	M3	Z	1.047	1.047	0	%100
35	M4	X	0	0	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-.604	-.604	0	%100
38	M5	Z	1.047	1.047	0	%100
39	M9	X	-.604	-.604	0	%100
40	M9	Z	1.047	1.047	0	%100
41	M10	X	-.604	-.604	0	%100
42	M10	Z	1.047	1.047	0	%100
43	M11	X	0	0	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	0	0	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-.604	-.604	0	%100
48	M16	Z	1.047	1.047	0	%100
49	M17	X	-.604	-.604	0	%100
50	M17	Z	1.047	1.047	0	%100
51	M80	X	-.345	-.345	0	%100
52	M80	Z	.598	.598	0	%100
53	M81A	X	0	0	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	-.604	-.604	0	%100
56	M60	Z	1.047	1.047	0	%100
57	M61	X	-.604	-.604	0	%100
58	M61	Z	1.047	1.047	0	%100
59	M64	X	-.604	-.604	0	%100
60	M64	Z	1.047	1.047	0	%100
61	M65	X	-.604	-.604	0	%100
62	M65	Z	1.047	1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	0	0	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	-.31	-.31	0	%100
70	M67A	Z	.537	.537	0	%100
71	M68A	X	-.31	-.31	0	%100
72	M68A	Z	.537	.537	0	%100
73	M69A	X	-.31	-.31	0	%100
74	M69A	Z	.537	.537	0	%100
75	MP1C	X	-.319	-.319	0	%100
76	MP1C	Z	.553	.553	0	%100
77	MP3C	X	-.319	-.319	0	%100
78	MP3C	Z	.553	.553	0	%100
79	MP4C	X	-.319	-.319	0	%100
80	MP4C	Z	.553	.553	0	%100
81	MP1B	X	-.319	-.319	0	%100
82	MP1B	Z	.553	.553	0	%100
83	MP3B	X	-.319	-.319	0	%100
84	MP3B	Z	.553	.553	0	%100
85	MP4B	X	-.319	-.319	0	%100
86	MP4B	Z	.553	.553	0	%100
87	OVP	X	-.291	-.291	0	%100
88	OVP	Z	.503	.503	0	%100
89	M76	X	-.29	-.29	0	%100
90	M76	Z	.502	.502	0	%100
91	M94	X	-.361	-.361	0	%100
92	M94	Z	.625	.625	0	%100
93	MP2C	X	-.319	-.319	0	%100
94	MP2C	Z	.553	.553	0	%100
95	M91A	X	-.29	-.29	0	%100
96	M91A	Z	.502	.502	0	%100
97	MP2B	X	-.319	-.319	0	%100
98	MP2B	Z	.553	.553	0	%100
99	M95A	X	0	0	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	-.361	-.361	0	%100
102	M94B	Z	.625	.625	0	%100
103	M95	X	-.361	-.361	0	%100
104	M95	Z	.625	.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.715	-.715	0	%100
2	M32	Z	.413	.413	0	%100
3	M111	X	-.179	-.179	0	%100
4	M111	Z	.103	.103	0	%100
5	M21	X	-.187	-.187	0	%100
6	M21	Z	.108	.108	0	%100
7	M22	X	-.775	-.775	0	%100
8	M22	Z	.448	.448	0	%100
9	M33	X	-.201	-.201	0	%100
10	M33	Z	.116	.116	0	%100
11	M34	X	-.201	-.201	0	%100
12	M34	Z	.116	.116	0	%100
13	M45	X	-.775	-.775	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
14	M45	Z	.448	.448	0	%100
15	M46	X	-.187	-.187	0	%100
16	M46	Z	.108	.108	0	%100
17	MP1A	X	-.553	-.553	0	%100
18	MP1A	Z	.319	.319	0	%100
19	MP2A	X	-.553	-.553	0	%100
20	MP2A	Z	.319	.319	0	%100
21	MP3A	X	-.553	-.553	0	%100
22	MP3A	Z	.319	.319	0	%100
23	MP4A	X	-.553	-.553	0	%100
24	MP4A	Z	.319	.319	0	%100
25	M1	X	-.199	-.199	0	%100
26	M1	Z	.115	.115	0	%100
27	M19	X	-.63	-.63	0	%100
28	M19	Z	.364	.364	0	%100
29	M31	X	0	0	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-.63	-.63	0	%100
32	M43	Z	.364	.364	0	%100
33	M3	X	-.349	-.349	0	%100
34	M3	Z	.201	.201	0	%100
35	M4	X	-.349	-.349	0	%100
36	M4	Z	.201	.201	0	%100
37	M5	X	-1.396	-1.396	0	%100
38	M5	Z	.806	.806	0	%100
39	M9	X	-1.396	-1.396	0	%100
40	M9	Z	.806	.806	0	%100
41	M10	X	-.349	-.349	0	%100
42	M10	Z	.201	.201	0	%100
43	M11	X	-.349	-.349	0	%100
44	M11	Z	.201	.201	0	%100
45	M15	X	-.349	-.349	0	%100
46	M15	Z	.201	.201	0	%100
47	M16	X	-1.396	-1.396	0	%100
48	M16	Z	.806	.806	0	%100
49	M17	X	-.349	-.349	0	%100
50	M17	Z	.201	.201	0	%100
51	M80	X	-.797	-.797	0	%100
52	M80	Z	.46	.46	0	%100
53	M81A	X	-.199	-.199	0	%100
54	M81A	Z	.115	.115	0	%100
55	M60	X	-.349	-.349	0	%100
56	M60	Z	.201	.201	0	%100
57	M61	X	-.349	-.349	0	%100
58	M61	Z	.201	.201	0	%100
59	M64	X	-1.396	-1.396	0	%100
60	M64	Z	.806	.806	0	%100
61	M65	X	-1.396	-1.396	0	%100
62	M65	Z	.806	.806	0	%100
63	M68	X	-.349	-.349	0	%100
64	M68	Z	.201	.201	0	%100
65	M69	X	-.349	-.349	0	%100
66	M69	Z	.201	.201	0	%100
67	M66A	X	-.179	-.179	0	%100
68	M66A	Z	.103	.103	0	%100
69	M67A	X	-.179	-.179	0	%100
70	M67A	Z	.103	.103	0	%100
71	M68A	X	-.179	-.179	0	%100
72	M68A	Z	.103	.103	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
73	M69A	X	-.715	-.715	0	%100
74	M69A	Z	.413	.413	0	%100
75	MP1C	X	-.553	-.553	0	%100
76	MP1C	Z	.319	.319	0	%100
77	MP3C	X	-.553	-.553	0	%100
78	MP3C	Z	.319	.319	0	%100
79	MP4C	X	-.553	-.553	0	%100
80	MP4C	Z	.319	.319	0	%100
81	MP1B	X	-.553	-.553	0	%100
82	MP1B	Z	.319	.319	0	%100
83	MP3B	X	-.553	-.553	0	%100
84	MP3B	Z	.319	.319	0	%100
85	MP4B	X	-.553	-.553	0	%100
86	MP4B	Z	.319	.319	0	%100
87	OVP	X	-.503	-.503	0	%100
88	OVP	Z	.291	.291	0	%100
89	M76	X	-.167	-.167	0	%100
90	M76	Z	.097	.097	0	%100
91	M94	X	-.208	-.208	0	%100
92	M94	Z	.12	.12	0	%100
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	.319	.319	0	%100
95	M91A	X	-.669	-.669	0	%100
96	M91A	Z	.386	.386	0	%100
97	MP2B	X	-.553	-.553	0	%100
98	MP2B	Z	.319	.319	0	%100
99	M95A	X	-.167	-.167	0	%100
100	M95A	Z	.097	.097	0	%100
101	M94B	X	-.208	-.208	0	%100
102	M94B	Z	.12	.12	0	%100
103	M95	X	-.208	-.208	0	%100
104	M95	Z	.12	.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.62	-.62	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-.62	-.62	0	%100
4	M111	Z	0	0	0	%100
5	M21	X	-.664	-.664	0	%100
6	M21	Z	0	0	0	%100
7	M22	X	-.664	-.664	0	%100
8	M22	Z	0	0	0	%100
9	M33	X	-8.8e-5	-8.8e-5	0	%100
10	M33	Z	0	0	0	%100
11	M34	X	-.679	-.679	0	%100
12	M34	Z	0	0	0	%100
13	M45	X	-.679	-.679	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-8.8e-5	-8.8e-5	0	%100
16	M46	Z	0	0	0	%100
17	MP1A	X	-.638	-.638	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-.638	-.638	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-.638	-.638	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-.638	-.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
24	MP4A	Z	0	0	0	%100
25	M1	X	0	0	0	%100
26	M1	Z	0	0	0	%100
27	M19	X	-.97	-.97	0	%100
28	M19	Z	0	0	0	%100
29	M31	X	-.243	-.243	0	%100
30	M31	Z	0	0	0	%100
31	M43	X	-.243	-.243	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	0	0	0	%100
34	M3	Z	0	0	0	%100
35	M4	X	-1.209	-1.209	0	%100
36	M4	Z	0	0	0	%100
37	M5	X	-1.209	-1.209	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	-1.209	-1.209	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	0	0	0	%100
42	M10	Z	0	0	0	%100
43	M11	X	-1.209	-1.209	0	%100
44	M11	Z	0	0	0	%100
45	M15	X	-1.209	-1.209	0	%100
46	M15	Z	0	0	0	%100
47	M16	X	-1.209	-1.209	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	0	0	0	%100
50	M17	Z	0	0	0	%100
51	M80	X	-.69	-.69	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-.69	-.69	0	%100
54	M81A	Z	0	0	0	%100
55	M60	X	0	0	0	%100
56	M60	Z	0	0	0	%100
57	M61	X	0	0	0	%100
58	M61	Z	0	0	0	%100
59	M64	X	-1.209	-1.209	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	-1.209	-1.209	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-1.209	-1.209	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-1.209	-1.209	0	%100
66	M69	Z	0	0	0	%100
67	M66A	X	-.62	-.62	0	%100
68	M66A	Z	0	0	0	%100
69	M67A	X	0	0	0	%100
70	M67A	Z	0	0	0	%100
71	M68A	X	0	0	0	%100
72	M68A	Z	0	0	0	%100
73	M69A	X	-.62	-.62	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-.638	-.638	0	%100
76	MP1C	Z	0	0	0	%100
77	MP3C	X	-.638	-.638	0	%100
78	MP3C	Z	0	0	0	%100
79	MP4C	X	-.638	-.638	0	%100
80	MP4C	Z	0	0	0	%100
81	MP1B	X	-.638	-.638	0	%100
82	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
83	MP3B	X	-.638	-.638	0	%100
84	MP3B	Z	0	0	0	%100
85	MP4B	X	-.638	-.638	0	%100
86	MP4B	Z	0	0	0	%100
87	OVP	X	-.581	-.581	0	%100
88	OVP	Z	0	0	0	%100
89	M76	X	0	0	0	%100
90	M76	Z	0	0	0	%100
91	M94	X	0	0	0	%100
92	M94	Z	0	0	0	%100
93	MP2C	X	-.638	-.638	0	%100
94	MP2C	Z	0	0	0	%100
95	M91A	X	-.579	-.579	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-.638	-.638	0	%100
98	MP2B	Z	0	0	0	%100
99	M95A	X	-.579	-.579	0	%100
100	M95A	Z	0	0	0	%100
101	M94B	X	0	0	0	%100
102	M94B	Z	0	0	0	%100
103	M95	X	0	0	0	%100
104	M95	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,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	-.179	-.179	0	%100
2	M32	Z	-.103	-.103	0	%100
3	M111	X	-.715	-.715	0	%100
4	M111	Z	-.413	-.413	0	%100
5	M21	X	-.775	-.775	0	%100
6	M21	Z	-.448	-.448	0	%100
7	M22	X	-.187	-.187	0	%100
8	M22	Z	-.108	-.108	0	%100
9	M33	X	-.187	-.187	0	%100
10	M33	Z	-.108	-.108	0	%100
11	M34	X	-.775	-.775	0	%100
12	M34	Z	-.448	-.448	0	%100
13	M45	X	-.201	-.201	0	%100
14	M45	Z	-.116	-.116	0	%100
15	M46	X	-.201	-.201	0	%100
16	M46	Z	-.116	-.116	0	%100
17	MP1A	X	-.553	-.553	0	%100
18	MP1A	Z	-.319	-.319	0	%100
19	MP2A	X	-.553	-.553	0	%100
20	MP2A	Z	-.319	-.319	0	%100
21	MP3A	X	-.553	-.553	0	%100
22	MP3A	Z	-.319	-.319	0	%100
23	MP4A	X	-.553	-.553	0	%100
24	MP4A	Z	-.319	-.319	0	%100
25	M1	X	-.199	-.199	0	%100
26	M1	Z	-.115	-.115	0	%100
27	M19	X	-.63	-.63	0	%100
28	M19	Z	-.364	-.364	0	%100
29	M31	X	-.63	-.63	0	%100
30	M31	Z	-.364	-.364	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M3	X	-.349	-.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
34	M3	Z	-.201	-.201	0	%100
35	M4	X	-1.396	-1.396	0	%100
36	M4	Z	-.806	-.806	0	%100
37	M5	X	-.349	-.349	0	%100
38	M5	Z	-.201	-.201	0	%100
39	M9	X	-.349	-.349	0	%100
40	M9	Z	-.201	-.201	0	%100
41	M10	X	-.349	-.349	0	%100
42	M10	Z	-.201	-.201	0	%100
43	M11	X	-1.396	-1.396	0	%100
44	M11	Z	-.806	-.806	0	%100
45	M15	X	-1.396	-1.396	0	%100
46	M15	Z	-.806	-.806	0	%100
47	M16	X	-.349	-.349	0	%100
48	M16	Z	-.201	-.201	0	%100
49	M17	X	-.349	-.349	0	%100
50	M17	Z	-.201	-.201	0	%100
51	M80	X	-.199	-.199	0	%100
52	M80	Z	-.115	-.115	0	%100
53	M81A	X	-.797	-.797	0	%100
54	M81A	Z	-.46	-.46	0	%100
55	M60	X	-.349	-.349	0	%100
56	M60	Z	-.201	-.201	0	%100
57	M61	X	-.349	-.349	0	%100
58	M61	Z	-.201	-.201	0	%100
59	M64	X	-.349	-.349	0	%100
60	M64	Z	-.201	-.201	0	%100
61	M65	X	-.349	-.349	0	%100
62	M65	Z	-.201	-.201	0	%100
63	M68	X	-1.396	-1.396	0	%100
64	M68	Z	-.806	-.806	0	%100
65	M69	X	-1.396	-1.396	0	%100
66	M69	Z	-.806	-.806	0	%100
67	M66A	X	-.715	-.715	0	%100
68	M66A	Z	-.413	-.413	0	%100
69	M67A	X	-.179	-.179	0	%100
70	M67A	Z	-.103	-.103	0	%100
71	M68A	X	-.179	-.179	0	%100
72	M68A	Z	-.103	-.103	0	%100
73	M69A	X	-.179	-.179	0	%100
74	M69A	Z	-.103	-.103	0	%100
75	MP1C	X	-.553	-.553	0	%100
76	MP1C	Z	-.319	-.319	0	%100
77	MP3C	X	-.553	-.553	0	%100
78	MP3C	Z	-.319	-.319	0	%100
79	MP4C	X	-.553	-.553	0	%100
80	MP4C	Z	-.319	-.319	0	%100
81	MP1B	X	-.553	-.553	0	%100
82	MP1B	Z	-.319	-.319	0	%100
83	MP3B	X	-.553	-.553	0	%100
84	MP3B	Z	-.319	-.319	0	%100
85	MP4B	X	-.553	-.553	0	%100
86	MP4B	Z	-.319	-.319	0	%100
87	OVP	X	-.503	-.503	0	%100
88	OVP	Z	-.291	-.291	0	%100
89	M76	X	-.167	-.167	0	%100
90	M76	Z	-.097	-.097	0	%100
91	M94	X	-.208	-.208	0	%100
92	M94	Z	-.12	-.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
93	MP2C	X	-.553	-.553	0	%100
94	MP2C	Z	-.319	-.319	0	%100
95	M91A	X	-.167	-.167	0	%100
96	M91A	Z	-.097	-.097	0	%100
97	MP2B	X	-.553	-.553	0	%100
98	MP2B	Z	-.319	-.319	0	%100
99	M95A	X	-.669	-.669	0	%100
100	M95A	Z	-.386	-.386	0	%100
101	M94B	X	-.208	-.208	0	%100
102	M94B	Z	-.12	-.12	0	%100
103	M95	X	-.208	-.208	0	%100
104	M95	Z	-.12	-.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	X	0	0	0	%100
2	M32	Z	0	0	0	%100
3	M111	X	-.31	-.31	0	%100
4	M111	Z	-.537	-.537	0	%100
5	M21	X	-.34	-.34	0	%100
6	M21	Z	-.588	-.588	0	%100
7	M22	X	-4.4e-5	-4.4e-5	0	%100
8	M22	Z	-7.6e-5	-7.6e-5	0	%100
9	M33	X	-.332	-.332	0	%100
10	M33	Z	-.575	-.575	0	%100
11	M34	X	-.332	-.332	0	%100
12	M34	Z	-.575	-.575	0	%100
13	M45	X	-4.4e-5	-4.4e-5	0	%100
14	M45	Z	-7.6e-5	-7.6e-5	0	%100
15	M46	X	-.34	-.34	0	%100
16	M46	Z	-.588	-.588	0	%100
17	MP1A	X	-.319	-.319	0	%100
18	MP1A	Z	-.553	-.553	0	%100
19	MP2A	X	-.319	-.319	0	%100
20	MP2A	Z	-.553	-.553	0	%100
21	MP3A	X	-.319	-.319	0	%100
22	MP3A	Z	-.553	-.553	0	%100
23	MP4A	X	-.319	-.319	0	%100
24	MP4A	Z	-.553	-.553	0	%100
25	M1	X	-.345	-.345	0	%100
26	M1	Z	-.598	-.598	0	%100
27	M19	X	-.121	-.121	0	%100
28	M19	Z	-.21	-.21	0	%100
29	M31	X	-.485	-.485	0	%100
30	M31	Z	-.84	-.84	0	%100
31	M43	X	-.121	-.121	0	%100
32	M43	Z	-.21	-.21	0	%100
33	M3	X	-.604	-.604	0	%100
34	M3	Z	-1.047	-1.047	0	%100
35	M4	X	-.604	-.604	0	%100
36	M4	Z	-1.047	-1.047	0	%100
37	M5	X	0	0	0	%100
38	M5	Z	0	0	0	%100
39	M9	X	0	0	0	%100
40	M9	Z	0	0	0	%100
41	M10	X	-.604	-.604	0	%100
42	M10	Z	-1.047	-1.047	0	%100
43	M11	X	-.604	-.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
44	M11	Z	-1.047	-1.047	0	%100
45	M15	X	-.604	-.604	0	%100
46	M15	Z	-1.047	-1.047	0	%100
47	M16	X	0	0	0	%100
48	M16	Z	0	0	0	%100
49	M17	X	-.604	-.604	0	%100
50	M17	Z	-1.047	-1.047	0	%100
51	M80	X	0	0	0	%100
52	M80	Z	0	0	0	%100
53	M81A	X	-.345	-.345	0	%100
54	M81A	Z	-.598	-.598	0	%100
55	M60	X	-.604	-.604	0	%100
56	M60	Z	-1.047	-1.047	0	%100
57	M61	X	-.604	-.604	0	%100
58	M61	Z	-1.047	-1.047	0	%100
59	M64	X	0	0	0	%100
60	M64	Z	0	0	0	%100
61	M65	X	0	0	0	%100
62	M65	Z	0	0	0	%100
63	M68	X	-.604	-.604	0	%100
64	M68	Z	-1.047	-1.047	0	%100
65	M69	X	-.604	-.604	0	%100
66	M69	Z	-1.047	-1.047	0	%100
67	M66A	X	-.31	-.31	0	%100
68	M66A	Z	-.537	-.537	0	%100
69	M67A	X	-.31	-.31	0	%100
70	M67A	Z	-.537	-.537	0	%100
71	M68A	X	-.31	-.31	0	%100
72	M68A	Z	-.537	-.537	0	%100
73	M69A	X	0	0	0	%100
74	M69A	Z	0	0	0	%100
75	MP1C	X	-.319	-.319	0	%100
76	MP1C	Z	-.553	-.553	0	%100
77	MP3C	X	-.319	-.319	0	%100
78	MP3C	Z	-.553	-.553	0	%100
79	MP4C	X	-.319	-.319	0	%100
80	MP4C	Z	-.553	-.553	0	%100
81	MP1B	X	-.319	-.319	0	%100
82	MP1B	Z	-.553	-.553	0	%100
83	MP3B	X	-.319	-.319	0	%100
84	MP3B	Z	-.553	-.553	0	%100
85	MP4B	X	-.319	-.319	0	%100
86	MP4B	Z	-.553	-.553	0	%100
87	OVP	X	-.291	-.291	0	%100
88	OVP	Z	-.503	-.503	0	%100
89	M76	X	-.29	-.29	0	%100
90	M76	Z	-.502	-.502	0	%100
91	M94	X	-.361	-.361	0	%100
92	M94	Z	-.625	-.625	0	%100
93	MP2C	X	-.319	-.319	0	%100
94	MP2C	Z	-.553	-.553	0	%100
95	M91A	X	0	0	0	%100
96	M91A	Z	0	0	0	%100
97	MP2B	X	-.319	-.319	0	%100
98	MP2B	Z	-.553	-.553	0	%100
99	M95A	X	-.29	-.29	0	%100
100	M95A	Z	-.502	-.502	0	%100
101	M94B	X	-.361	-.361	0	%100
102	M94B	Z	-.625	-.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
103	M95	X	-.361	-.361	0	%100
104	M95	Z	-.625	-.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-4.87	-4.87	1.73	2.719
2	M33	Y	-4.776	-2.72	0	2.202
3	M33	Y	-2.72	-.665	2.202	4.404
4	M34	Y	-4.776	-2.72	0	2.202
5	M34	Y	-2.72	-.665	2.202	4.404
6	M31	Y	-6.081	-6.081	1.077	2.814
7	M69A	Y	-4.87	-4.87	0	.989
8	M21	Y	-4.776	-2.72	0	2.202
9	M21	Y	-2.72	-.665	2.202	4.404
10	M22	Y	-4.776	-2.72	0	2.202
11	M22	Y	-2.72	-.665	2.202	4.404
12	M19	Y	-6.081	-6.081	1.077	2.814
13	M67A	Y	-4.87	-4.87	0	.989
14	M68A	Y	-4.87	-4.87	1.73	2.719
15	M111	Y	-4.87	-4.87	0	.989
16	M45	Y	-4.776	-2.72	0	2.202
17	M45	Y	-2.72	-.665	2.202	4.404
18	M46	Y	-4.776	-2.72	0	2.202
19	M46	Y	-2.72	-.665	2.202	4.404
20	M43	Y	-6.081	-6.081	1.077	2.814
21	M66A	Y	-4.87	-4.87	1.73	2.719

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-9.446	-9.446	1.73	2.719
2	M33	Y	-9.262	-5.276	0	2.202
3	M33	Y	-5.276	-1.29	2.202	4.404
4	M34	Y	-9.262	-5.276	0	2.202
5	M34	Y	-5.276	-1.29	2.202	4.404
6	M31	Y	-11.793	-11.793	1.077	2.814
7	M69A	Y	-9.446	-9.446	0	.989
8	M21	Y	-9.262	-5.276	0	2.202
9	M21	Y	-5.276	-1.29	2.202	4.404
10	M22	Y	-9.262	-5.276	0	2.202
11	M22	Y	-5.276	-1.29	2.202	4.404
12	M19	Y	-11.793	-11.793	1.077	2.814
13	M67A	Y	-9.446	-9.446	0	.989
14	M68A	Y	-9.446	-9.446	1.73	2.719
15	M111	Y	-9.446	-9.446	0	.989
16	M45	Y	-9.262	-5.276	0	2.202
17	M45	Y	-5.276	-1.29	2.202	4.404
18	M46	Y	-9.262	-5.276	0	2.202
19	M46	Y	-5.276	-1.29	2.202	4.404
20	M43	Y	-11.793	-11.793	1.077	2.814
21	M66A	Y	-9.446	-9.446	1.73	2.719

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Y	Two Way	-.005
2	N34	N35	N36		Y	Two Way	-.005
3	N75	N74	N76		Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N54	N55	N56		Y	Two Way	-.01
2	N34	N35	N36		Y	Two Way	-.01
3	N75	N74	N76		Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N71	max	1689.076	10	2039.334	17	877.127	1	-.113	12	1.715	8	3.909	17
2		min	-1601.463	4	537.237	11	-843.83	7	-2.346	30	-1.741	2	.264	11
3	N51	max	1649.444	9	2199.015	21	1572.327	1	-.04	2	1.885	12	-.146	3
4		min	-1721.504	3	602.86	3	-1513.432	7	-2.608	44	-1.91	6	-3.969	21
5	N31	max	1043.668	10	2052.857	13	1851.45	1	4.483	13	1.715	4	.124	4
6		min	-1057.648	4	511.408	7	-1943.638	7	.177	7	-1.74	10	-.242	10
7	Totals:	max	4166.342	10	5943.334	13	4300.904	1						
8		min	-4166.344	4	2997.333	7	-4300.901	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M60	PL3/8x6	.325	.085	6	.397	.313	y	30	68437.086	72900	.57	9.113	1....	H1-1b
2	M61	PL3/8x6	.361	.085	2	.387	.313	y	44	68437.086	72900	.57	9.113	1....	H1-1b
3	M69	PL3/8x6	.363	.085	6	.386	.312	y	24	68437.086	72900	.57	9.113	1....	H1-1b
4	M65	PL3/8x6	.352	.085	10	.382	.313	y	16	68437.086	72900	.57	9.113	1....	H1-1b
5	M68	PL3/8x6	.314	.085	10	.375	.313	y	22	68437.086	72900	.57	9.113	1....	H1-1b
6	M64	PL3/8x6	.322	.085	2	.371	.312	y	14	68437.086	72900	.57	9.113	1....	H1-1b
7	M17	PL3/8x6	.068	.146	11	.178	0	y	47	68996.603	72900	.57	9.113	2....	H1-1b
8	M5	PL3/8x6	.070	.146	6	.165	0	y	7	68996.603	72900	.57	9.113	2....	H1-1b
9	M15	PL3/8x6	.060	.146	9	.161	.146	y	1	68996.603	72900	.57	9.113	1....	H1-1b
10	M3	PL3/8x6	.060	.146	5	.159	.146	y	9	68996.603	72900	.57	9.113	1....	H1-1b
11	M11	PL3/8x6	.070	.146	2	.158	0	y	3	68996.603	72900	.57	9.113	2....	H1-1b
12	M9	PL3/8x6	.063	.146	1	.157	.146	y	5	68996.603	72900	.57	9.113	1....	H1-1b
13	M16	PL3/8x6	.132	.531	2	.115	.531	y	48	35121.021	72900	.57	9.113	1....	H1-1b
14	MP3A	PIPE_2.0	.353	4	6	.111	4		8	20866.733	32130	1.872	1.872	1....	H1-1b
15	MP3B	PIPE_2.0	.345	4	9	.111	4		12	20866.733	32130	1.872	1.872	1....	H1-1b
16	M4	PL3/8x6	.136	.531	6	.111	.531	y	20	35121.021	72900	.57	9.113	1....	H1-1b
17	MP3C	PIPE_2.0	.358	4	1	.110	4		4	20866.733	32130	1.872	1.872	2....	H1-1b
18	M10	PL3/8x6	.136	.531	2	.110	.531	y	16	35121.021	72900	.57	9.113	1....	H1-1b
19	MP2A	PIPE_2.0	.334	4	9	.099	4		12	20866.733	32130	1.872	1.872	2....	H1-1b
20	MP2C	PIPE_2.0	.332	4	5	.099	4		8	20866.733	32130	1.872	1.872	2....	H1-1b
21	MP2B	PIPE_2.0	.346	4	1	.097	4		4	20866.733	32130	1.872	1.872	2....	H1-1b
22	M31	HSS4X4X4	.295	5.479	19	.088	5.479	y	43	123045.1...	139518	16.181	16.181	3....	H1-1b
23	MP1A	PIPE_2.0	.233	4	9	.082	4		8	20866.733	32130	1.872	1.872	2....	H1-1b
24	M43	HSS4X4X4	.280	5.479	15	.082	5.479	y	31	123045.1...	139518	16.181	16.181	3....	H1-1b
25	MP1B	PIPE_2.0	.238	4	1	.082	4		12	20866.733	32130	1.872	1.872	2....	H1-1b
26	MP1C	PIPE_2.0	.231	4	5	.079	4		4	20866.733	32130	1.872	1.872	2....	H1-1b
27	M76	PIPE_2.5	.148	2.865	6	.078	2.083		2	14558.792	50715	3.596	3.596	2....	H1-1b
28	M95A	PIPE_2.5	.145	2.865	10	.078	2.083		6	14558.792	50715	3.596	3.596	2....	H1-1b
29	M91A	PIPE_2.5	.149	2.865	2	.077	2.083		10	14558.792	50715	3.596	3.596	2....	H1-1b
30	MP4A	PIPE_2.0	.216	4	5	.072	1		7	20866.733	32130	1.872	1.872	2....	H1-1b
31	M1	PIPE_3.0	.148	3.095	40	.071	4.844		2	26693.555	65205	5.749	5.749	1....	H1-1b
32	M81A	PIPE_3.0	.143	3.095	20	.071	4.844		6	26693.555	65205	5.749	5.749	1....	H1-1b
33	MP4C	PIPE_2.0	.228	4	1	.070	1		3	20866.733	32130	1.872	1.872	2....	H1-1b
34	M80	PIPE_3.0	.143	3.095	24	.070	4.844		10	26693.555	65205	5.749	5.749	1....	H1-1b
35	MP4B	PIPE_2.0	.220	4	9	.070	1		11	20866.733	32130	1.872	1.872	2....	H1-1b
36	M19	HSS4X4X4	.281	5.479	23	.065	5.479	y	24	123045.1...	139518	16.181	16.181	3....	H1-1b
37	M32	HSS4X4X4	.143	2.719	20	.058	2.719	y	43	135266.7...	139518	16.181	16.181	1....	H1-1b
38	M111	HSS4X4X4	.149	0	18	.048	0	y	29	135266.7...	139518	16.181	16.181	1....	H1-1b
39	M66A	HSS4X4X4	.142	2.719	16	.043	2.719	y	14	135266.7...	139518	16.181	16.181	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
40	M68A	HSS4X4X4	.144	2.719	24	.043	2.719	y	23	135266.7...	139518	16.181	16.181	1....	H1-1b
41	M67A	HSS4X4X4	.148	0	14	.025	2.266	z	1	135266.7...	139518	16.181	16.181	1....	H1-1b
42	M69A	HSS4X4X4	.147	0	22	.024	2.266	z	9	135266.7...	139518	16.181	16.181	1....	H1-1b
43	M94B	L3X3X4	.299	2.614	7	.023	2.614	y	7	40103.333	46656	1.688	3.756	2....	H2-1
44	M95	L3X3X4	.285	2.614	3	.022	2.614	y	2	40103.333	46656	1.688	3.756	2....	H2-1
45	M94	L3X3X4	.285	2.614	11	.022	2.614	y	11	40103.333	46656	1.688	3.756	2....	H2-1
46	OVP	PIPE 2.0	.155	3	6	.020	3		6	26521.424	32130	1.872	1.872	1....	H1-1b
47	M34	L2x2x3	.175	2.202	10	.011	0	z	13	8838.542	23392.8	.558	1.063	1....	H2-1
48	M46	L2x2x3	.178	2.202	6	.011	0	z	20	8838.542	23392.8	.558	1.063	1....	H2-1
49	M22	L2x2x3	.178	2.202	2	.011	0	z	17	8838.542	23392.8	.558	1.063	1....	H2-1
50	M21	L2x2x3	.197	2.202	12	.009	0	y	21	8838.542	23392.8	.558	1.063	1....	H2-1
51	M45	L2x2x3	.193	2.202	4	.009	0	y	13	8838.542	23392.8	.558	1.063	1....	H2-1
52	M33	L2x2x3	.196	2.202	8	.009	0	y	18	8838.542	23392.8	.558	1.063	1....	H2-1

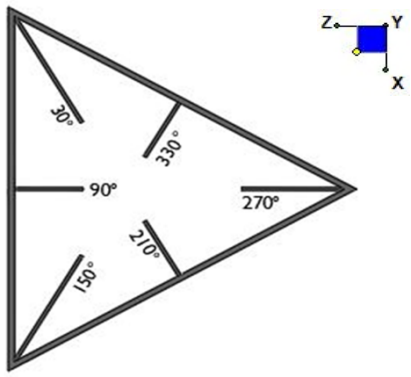
Client:	Verizon Wirless	Date:	8/24/2021
Site Name:	Oxford SW CT		
Project No.	21777097A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

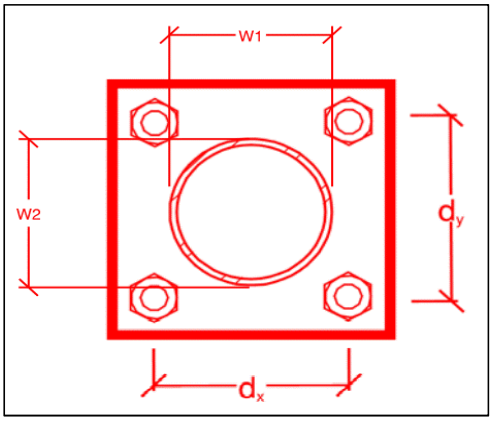
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N51	30
N71	150
N31	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	16.3
Required Shear Strength (kips):	3.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**19.7%***
Shear Capacity Overall:	**7.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	2.64
Plate Bending Capacity:	**61.3%**
Weld Capacity:	**38.0%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	8.9
Phi*Mn_{xx} *(kip-in)* :	20.3
Mu_{yy} *(kip-in)* :	3.6
Phi*Mn_{yy} *(kip-in)* :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Install new 48" long P2 STD pipe on the existing standoff horizontal member between Alpha & Beta sector for new OVP - connect to standoff using crossover plates (Site Pro 1 Part #: SQCX4-K or EOR approved equivalent) Contractor shall install new safety climb wire rope guides (Site Pro 1 Part #: 120-123/317 or EOR approved equivalent) to the existing collar mount assembly to prevent interference with mount connection.

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: 467322-VZW - OXFORD SW CT

Sector: **A** 8/23/2021

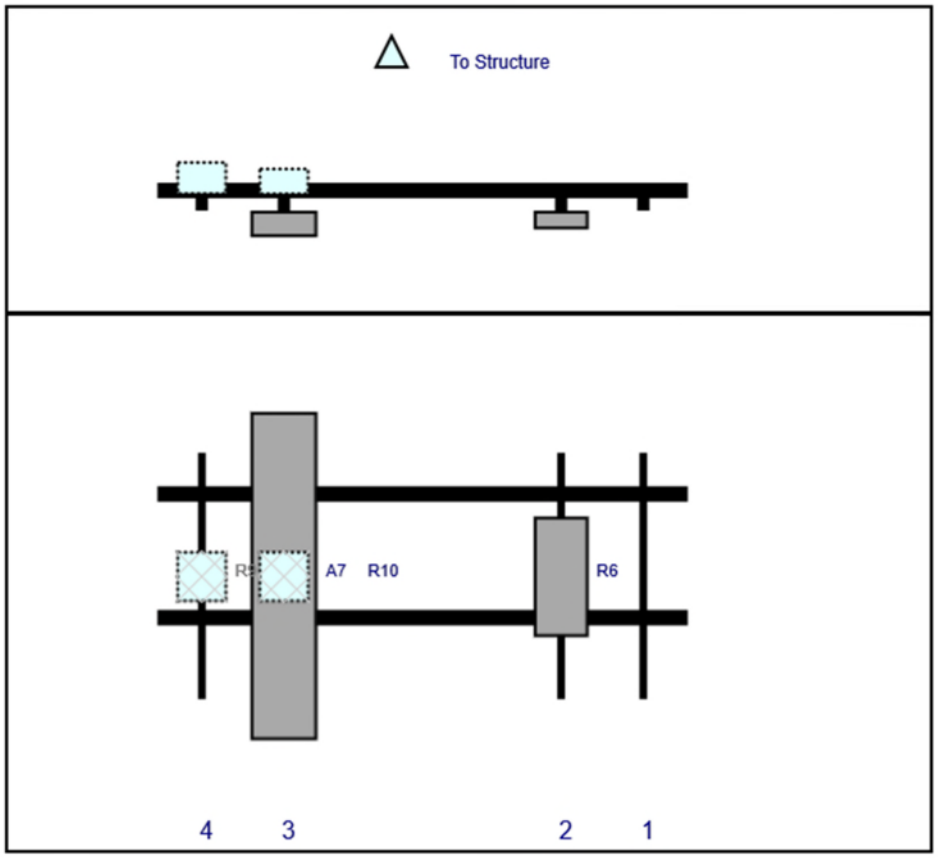
Structure Type: Monopole 10098037

Mount Elev: 147.00 Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

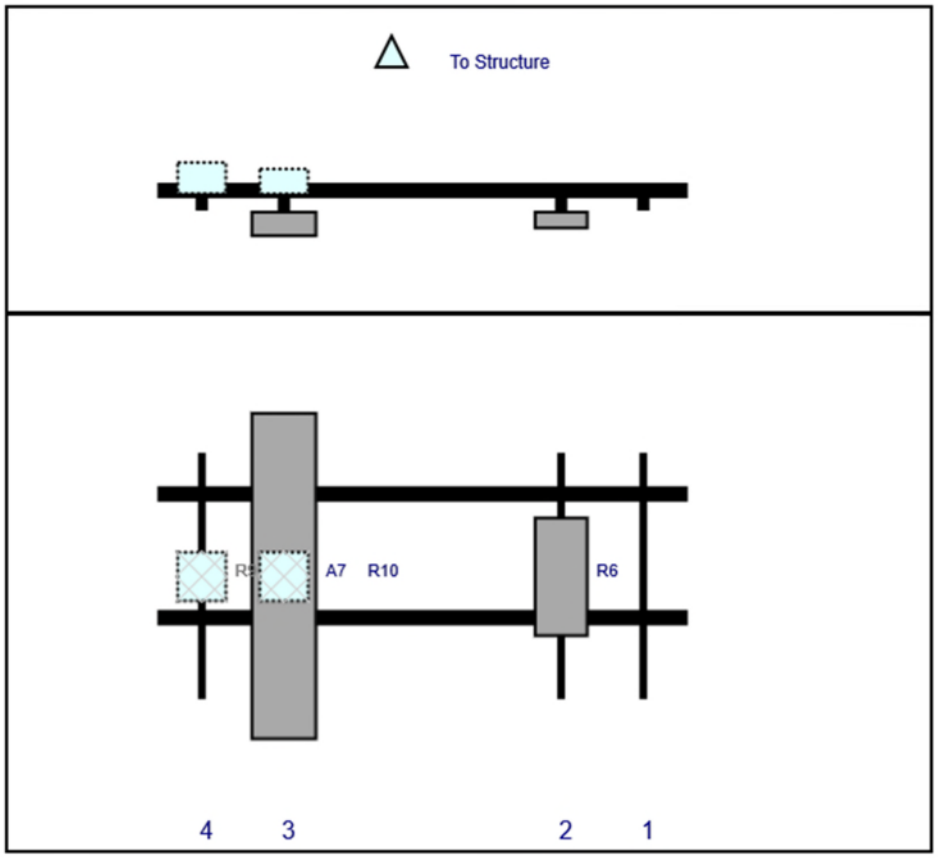


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R6	MT6407-77A	35.1	16.1	118	2	a	Front	36.06	0	Added	
A7	NNH4-65C-R6	96	19.6	37	3	a	Front	36	0	Added	
R10	B5/B13 RRH-BR04C	15	15	37	3	a	Behind	36	0	Added	
R9	B2/B66A RRH-BR049	15	15	13	4	a	Behind	36	0	Added	

MASER CONSULTING
CONNECTICUT

Plan View

Front View
Looking at Structure



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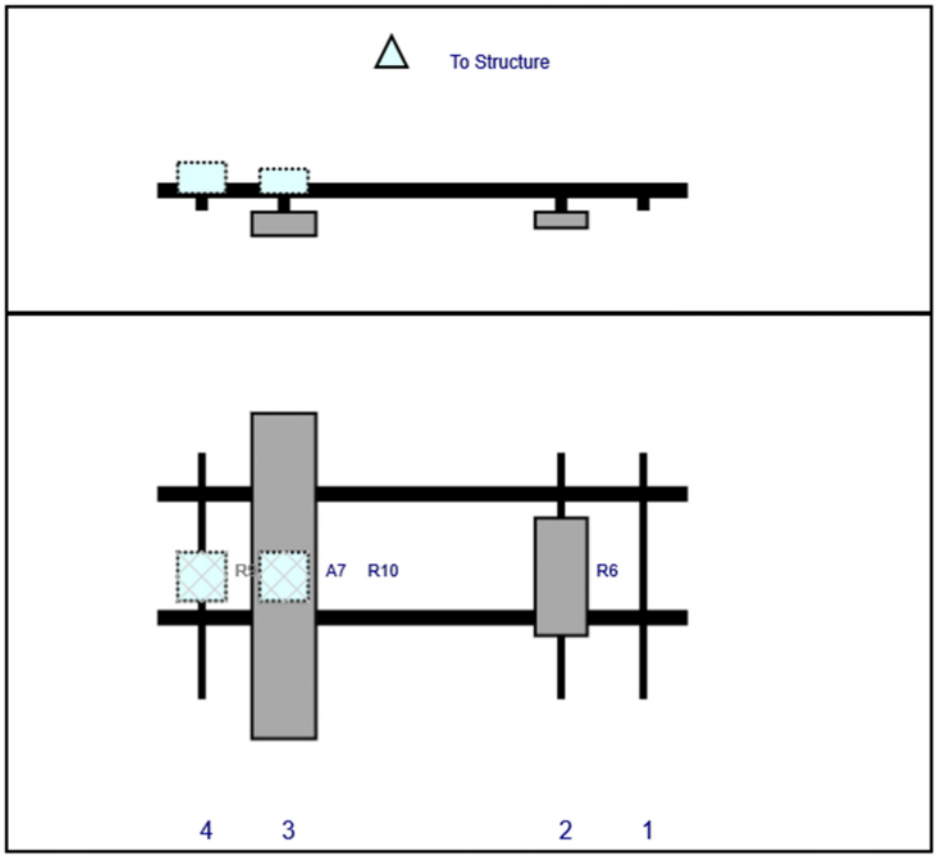
R10	B5/B13 RRH-BR04C	15	15	37	3	a	Behind	36	0	Added	
R9	B2/B66A RRH-BR049	15	15	13	4	a	Behind	36	0	Added	

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
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R10	B5/B13 RRH-BR04C	15	15	37	3	a	Behind	36	0	Added	
R9	B2/B66A RRH-BR049	15	15	13	4	a	Behind	36	0	Added	

MASER CONSULTING
— CONNECTICUT —

Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	Site ID:	*467322-VZW / Oxford SW CT*
	Site Name:	*Oxford SW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*133 Coppermine Rd* *Oxford, Connecticut 6478* *New Haven County*
	Latitude:	*41.388056°*
	Longitude:	*-73.172222°*
Structure Information	Tower Type:	*Monopole*
	Mount Type:	*12.92-Ft Platform*

FUZE ID # 16273376

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 2018 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,

Derek Hartzell, PE
Technical Specialist

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.5' PLATFORM

TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: N/A

CARRIER SITE NAME: OXFORD SW CT
CARRIER SITE NUMBER: 467322
FUZE ID: 16273376

129-133 COPPERMINE RD
OXFORD, CT 06478
NEW HAVEN COUNTY

LATITUDE: 41.388056° N
LONGITUDE: 73.172222° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 117 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 180.36'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s = .203
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10096491
VZW LOCATION CODE (PSLC): 467322
ANALYSIS DATE: 8/26/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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

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SCALE:	JOB NUMBER:
AS SHOWN	21777097A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	8/26/2021	ISSUED FOR CONSTRUCTION	CMS	DX

Digitally signed by Derek R. Hartzell
Date: 2021.08.26 12:20:55-04'00'

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

SITE NAME:

OXFORD SW CT
467322

129-133 COPPERMINE RD
OXFORD, CT 06478
NEW HAVEN COUNTY

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

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	504	504

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	-	-	48" LONG, P2 STD	GALVANIZED.	15	15
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION	11	11
					TOTAL:	530

VZWSMART KITS - APPROVED VENDORS

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

NOTES:

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

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Digitally signed by Derek R. Hartzell
Date: 2021.08.26 12:21:11-04'00'

SITE NAME:

OXFORD SW CT
467322

129-133 COPPERMINE RD
OXFORD, CT 06478
NEW HAVEN COUNTY

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

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.

10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.

11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

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

STRUCTURAL STEEL

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

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

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

WELDING NOTES

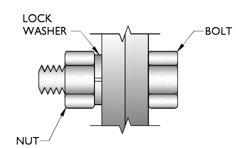
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING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

BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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

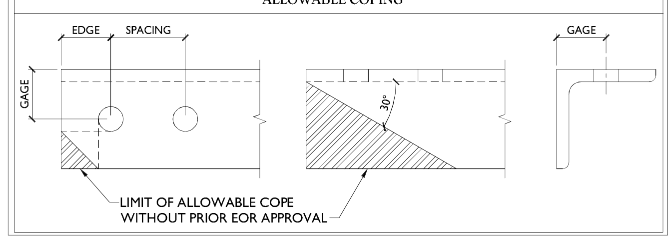


TYP. BOLT ASSEMBLY

NOTES:

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

ALLOWABLE COPING



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Digitally signed by Derek R. Hartzell
Date: 2021.08.26 12:21:11-04'00'

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

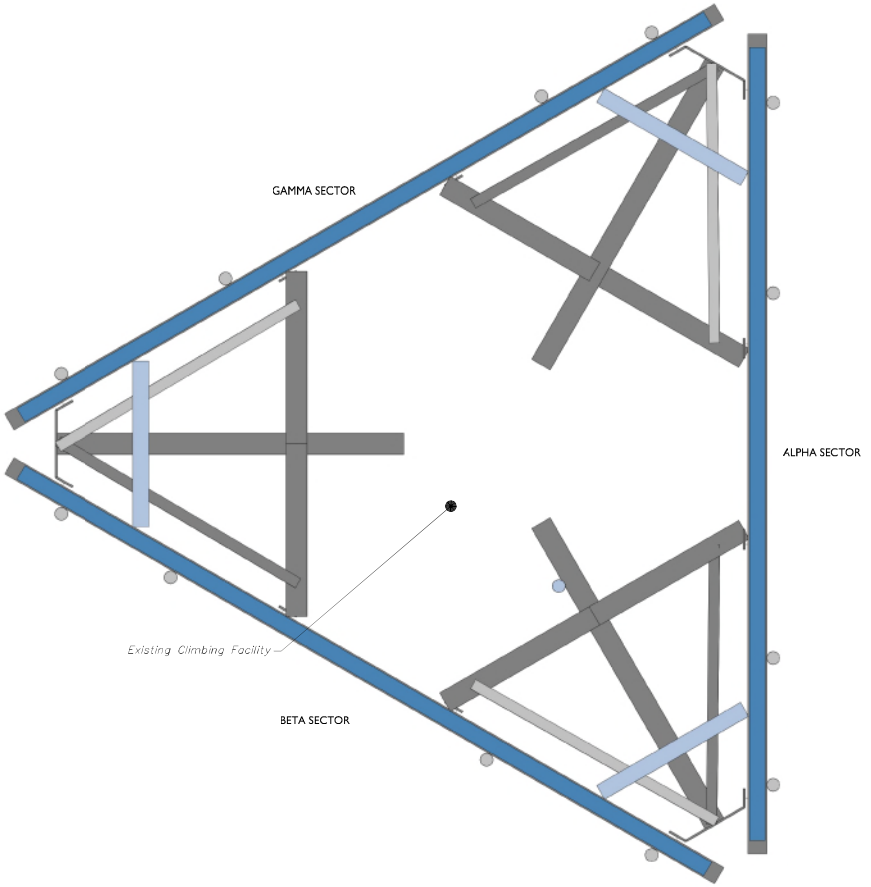
SITE NAME:
OXFORD SW CT
467322
129-133 COPPERMINE RD
OXFORD, CT 06478
NEW HAVEN COUNTY

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

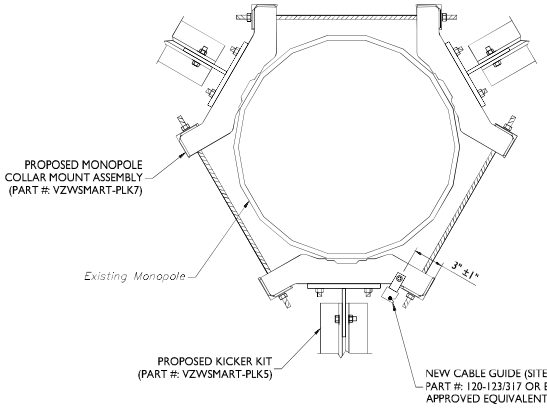
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



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



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

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY LEVEL-UP TOWERS ON 2/15/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

CLIMBING FACILITY PHOTO

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NEW HAVEN COUNTY

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

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

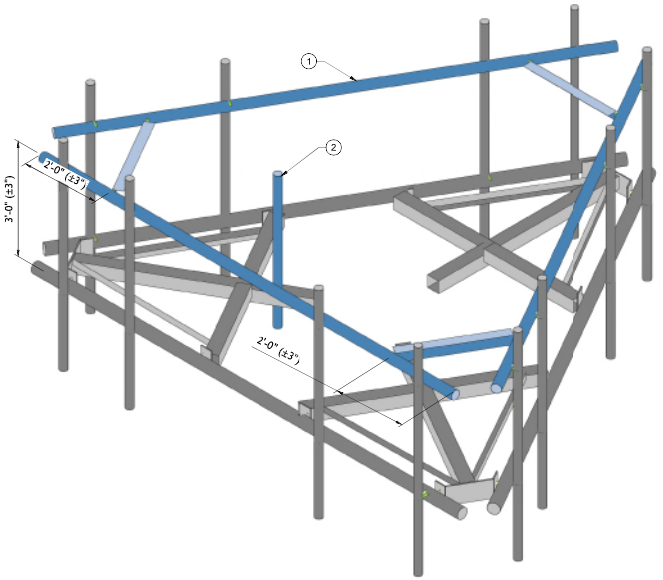
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	147'-0"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
2		1	48" LONG, P2 STD OVP PIPE	GALVANIZED. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPRCVED EQUAL).

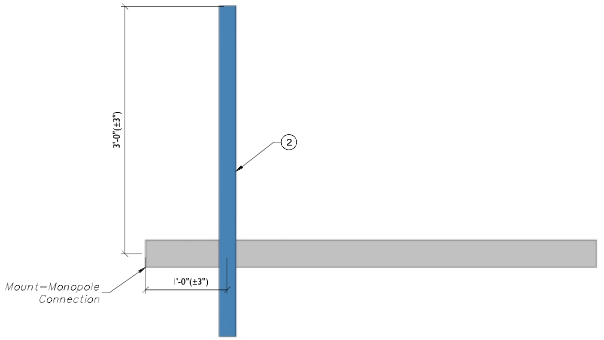
NOTES:

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



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (BETA SECTOR)

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SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

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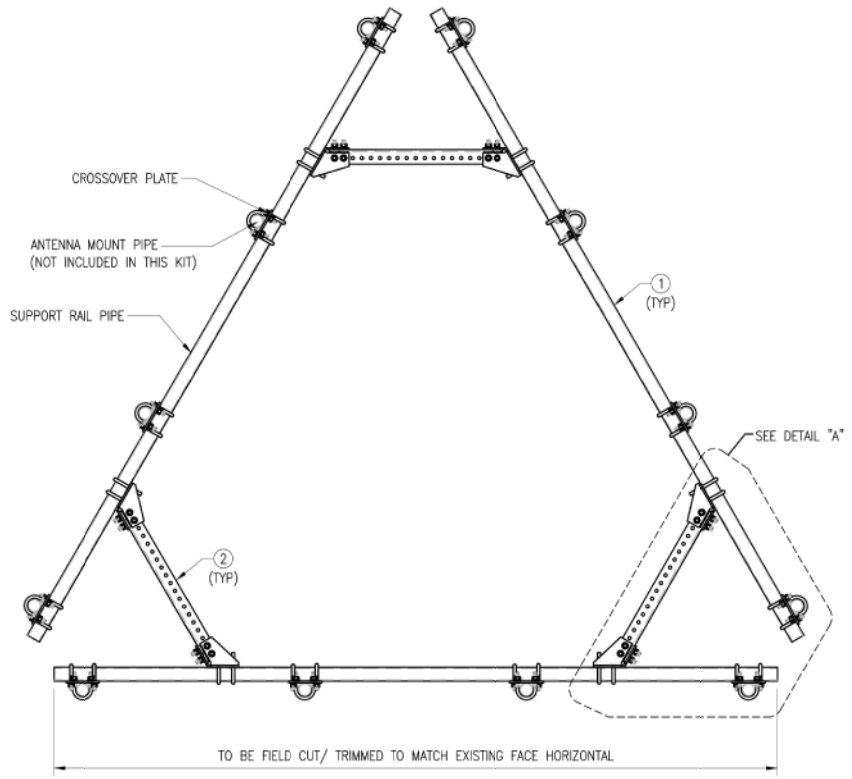
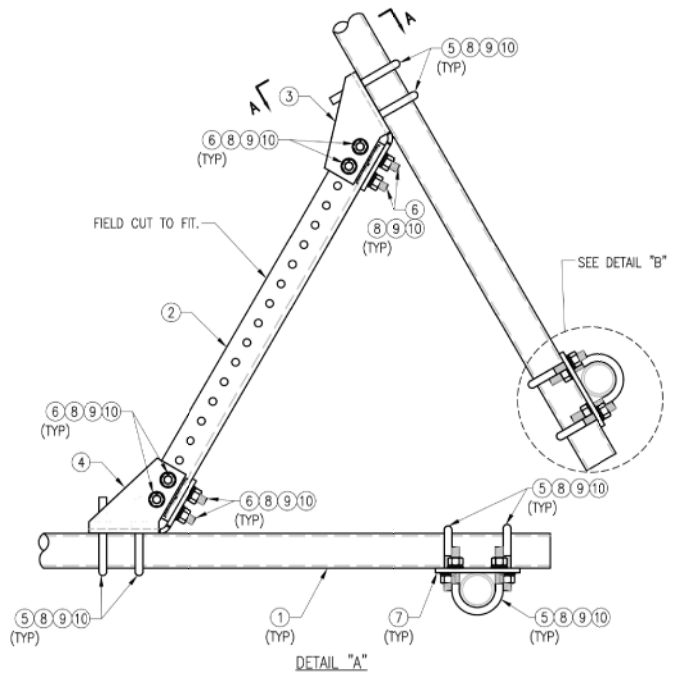
SHEET TITLE: MOUNT PHOTOS

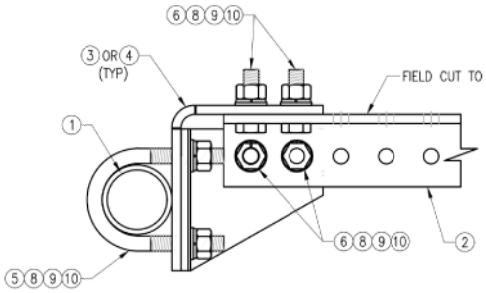
SHEET NUMBER: SS-2



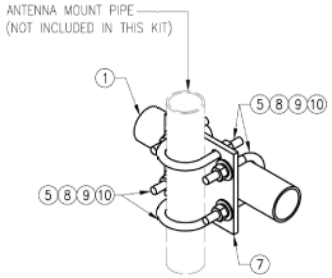
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART-PLK1 (SUPPORT RAIL KIT)

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

VzW SMART Tool© Vendor

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DRAWN BY: H.R | CHECKED BY: HMA

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

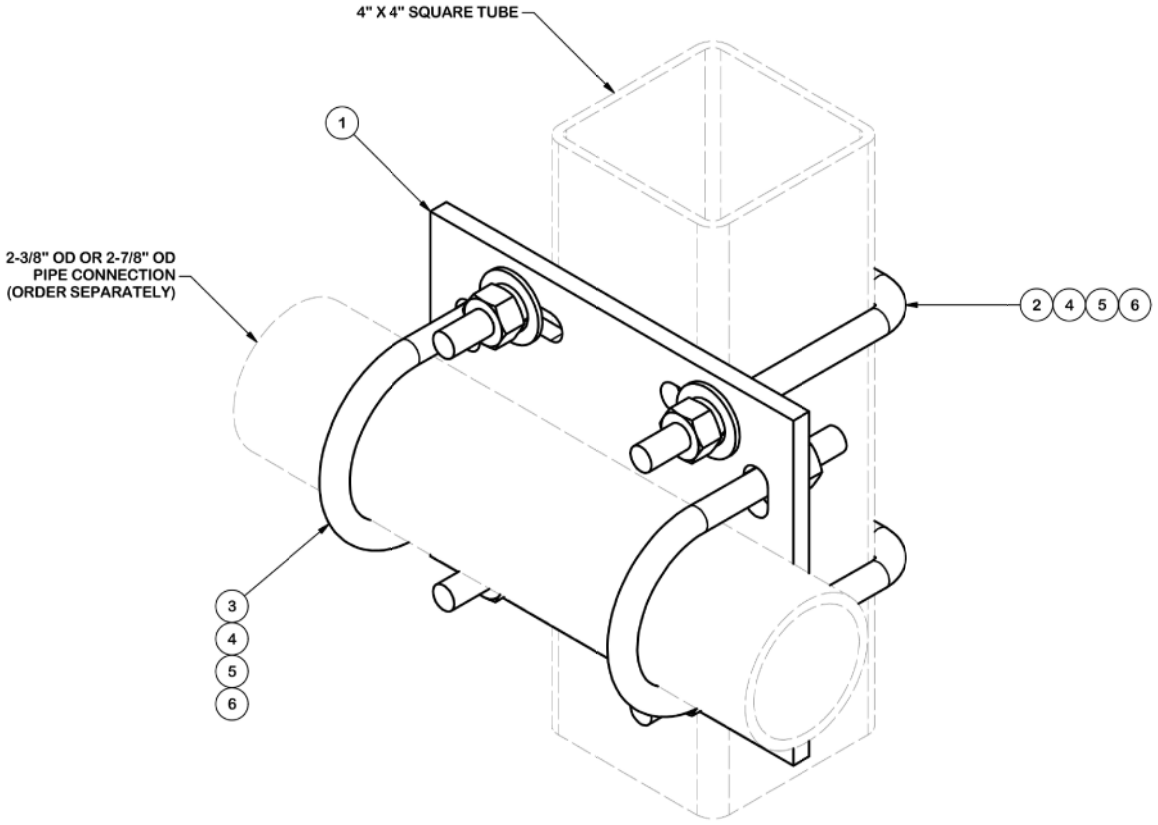
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

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

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

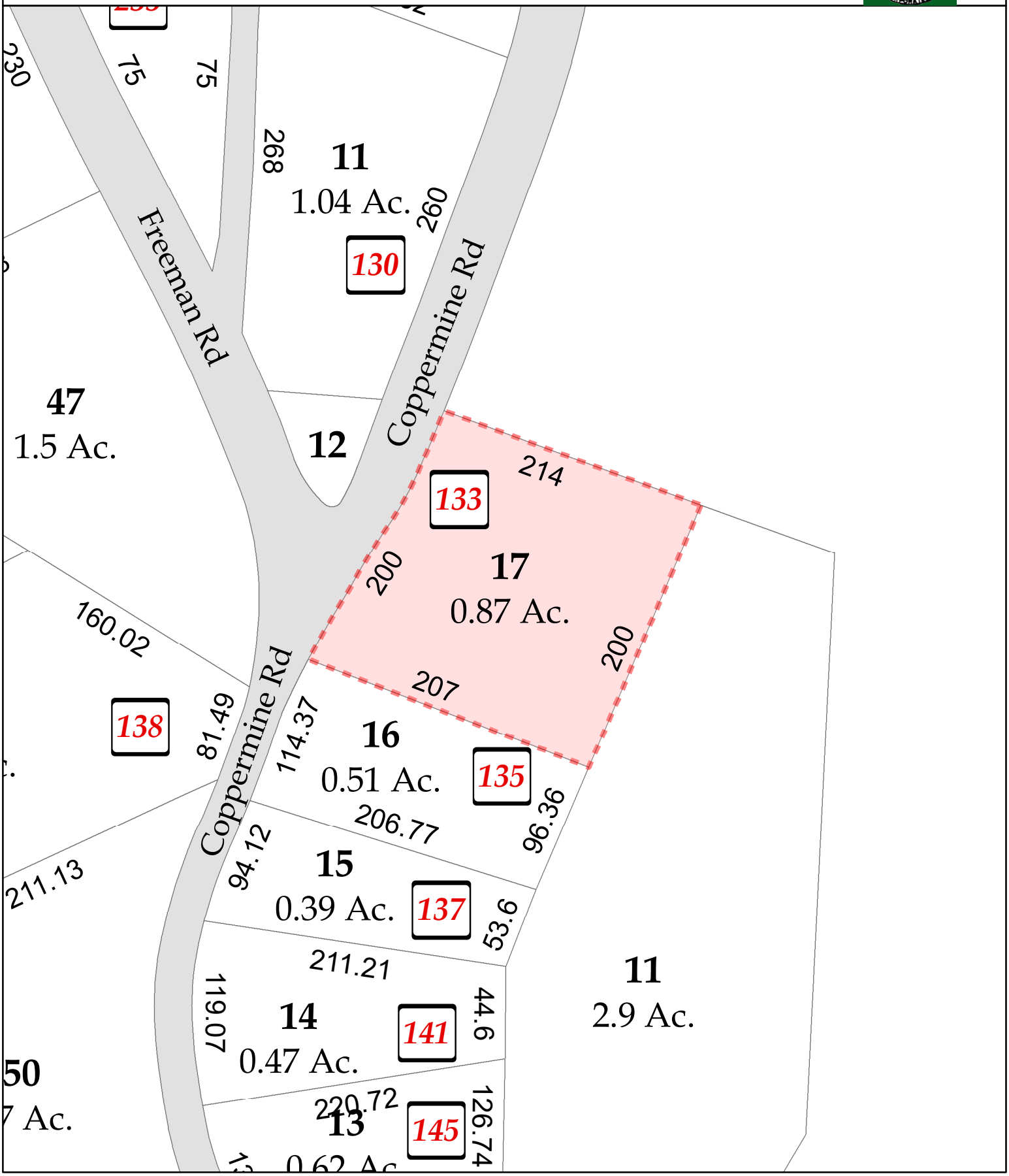
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

ATTACHMENT 5

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 12-51-17 **Location:** 133 COPPERMINE RD



Approximate Scale: 1 inch = 100 feet

0 50 100 150 200 Feet

Map Produced: February 2021

133 COPPERMINE RD

Sales Print Field Card Map It

Location	133 COPPERMINE RD	**Mblu**	12/ 51/ 17/ /
Acct#	00416500	**Owner**	OXFORD TOWN OF
Assessment	$181,100	**Appraisal**	$258,700
PID	2932	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$0	$258,700	$258,700
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$0	$181,100	$181,100

Owner of Record

Owner	OXFORD TOWN OF	**Sale Price**	$0
Co-Owner		**Book & Page**	36/ 103
Address	486 OXFORD RD OXFORD, CT 06478	**Sale Date**	10/01/2010

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

OXFORD SW

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	2	2	neopost 01/28/2022 US POSTAGE $002.99⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	George Temple, First Selectman Town of Oxford 486 Oxford Road Oxford, CT 06478				
2.	Steven Macary, Zoning Enforcement Officer Town of Oxford 486 Oxford Road Oxford, CT 06478				
3.			OLD STATE HOUSE STATION 06403 JAN 28 2021 USPS		
4.					
5.					
6.					