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Also admitted in Massachusetts
and New York

October 15, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
237 Sandy Hollow Road, Groton, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Siting Council ("Council") in March 2008 (Docket No. 343). Cellco's shared use of the tower was approved by the Council in December 2015 (PE1133-VER-20151104). A copy of the Council's Docket No 343 Decision and Order and Cellco's Eligible Facilities Request approval are included in Attachment 1. Please note, Cellco refers to this facility as its Mystic West telecommunications facility.

Cellco now intends to modify its facility by installing two (2) new Samsung MT6407-77A antennas on its existing antenna platform. Cellco also intends to replace two (2) existing remote radio heads ("RRHs") with two (2) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower. The new antennas and RRHs will be installed on Cellco's existing antenna platform.

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

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

4. The installation of Cellco's new antennas and RRHs 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 are 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, with certain modifications can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
John Burt, Town Manager for the Town of Groton
Jonathan Reiner, AICP, Groton Director of Planning
Mystic River Ambulance Association, the Property Owner
Aleksey Tyurin

ATTACHMENT 1

DOCKET NO. 343 - MCF Communications bg, Inc and Omnipoint Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 237 Sandy Hollow Road, Groton, Connecticut.	}	Connecticut Siting Council March 26, 2008

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to MCF Communications bg, Inc and Omnipoint Communications, Inc., hereinafter referred to as the Certificate Holders, for a telecommunications facility at 237 Sandy Hollow Road, Groton, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of T-Mobile and other entities, both public and private, but such tower shall not exceed a height of 130 feet above ground level. The height at the top of the antennas shall not exceed 130 feet above ground level.

2. The tower shall be installed 60 feet north of the proposed compound.

3. The equipment compound shall be located within a 35-foot by 50-foot fenced area.

4. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Groton for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

5. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

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

7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Groton public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

8. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

9. Any request for extension of the time period referred to in Condition 8 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Groton. Any proposed modifications to this Decision and Order shall likewise be so served.

10. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

11. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Day, the Norwich Bulletin and The Groton Times.

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

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
MCF Communications bj, Inc and Omnipoint Communications, Inc	Julie Kohler, Esq. Carrie Larson, Esq. Cohen and Wolf, P.C 1115 Broad Street Bridgeport, CT 06604

Intervenor

Charles E. Stevens
12 Stony Hill Drive
Mystic, CT 06355-1636

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@ct.gov

www.ct.gov/csc

December 17, 2015

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

RE: **PE1133-VER-20151104** – Cellco Partnership d/b/a Verizon Wireless sub-petition for a declaratory ruling for approval of an eligible facility request for modifications to an existing telecommunications facility located at 237 Sandy Hollow Road, Groton, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby approves your Eligible Facilities Request (EFR) to install antennas and associated equipment at the above-referenced facility pursuant to the Federal Communications Commission Wireless Infrastructure Report and Order, with the following conditions:

- The coax should be installed inside the pole's shaft and the RRH's should be installed behind the proposed antennas, in accordance with the structural analysis report performed by FDH Engineering dated June 17, 2015 and stamped by Dennis Abel;
- Within 45 days following completion of the equipment installation, Cellco shall provide documentation that its installation complied with the recommendations of the structural analysis;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The petitioner may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the EFR received November 4, 2015.

Thank you for your attention and cooperation.

Very truly yours,

Melanie Bachman
Acting Executive Director

c: Honorable Bruce Flax, Mayor, Town of Groton
Mark Oefinger, Town Manager, Town of Groton
Jonathan J. Reiner, AICP, Director of Planning, Town of Groton

S:\PETITIONS\1101-1200\1133\3_Subpetitions_ByTown\Groton, Town\PE1133-VER-20151104-Mystic-Sandy Hollow Road.docx

ATTACHMENT 2

SBA APPROVED

By Stephen Roth at 1:27:52 PM, 8/27/2021

verizon

WIRELESS COMMUNICATIONS FACILITY UPGRADE

MYSTIC WEST CT

237 SANDY HOLLOW RD.

MYSTIC, CT 06355

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

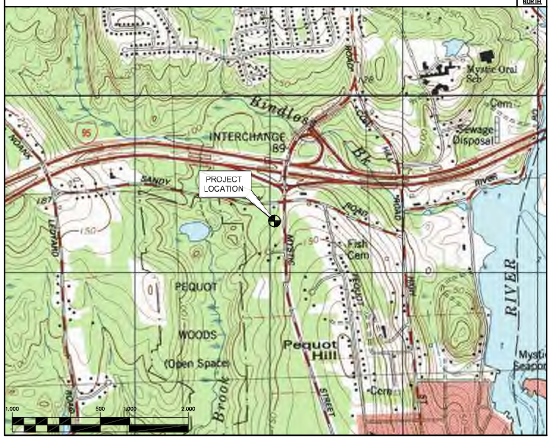
FROM: 20 ALEXANDER DRIVE. WALLINGFORD, CONNECTICUT

TO: 237 SANDY HOLLOW RD. MYSTIC, CT 06355

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 FIRST RIGHT ONTO CT-68;	2.75 MI
4.	TURN SLIGHT LEFT ONTO DURHAM RD/CT-68. CONTINUE TO FOLLOW CT-68.	4.25 MI
5.	TURN LEFT ONTO MAIN ST/CT-17.	3.96 MI
6.	TURN SLIGHT RIGHT ONTO RANDOLPH RD/CT-155.	2.12 MI
7.	MERGE ONTO CT-9 S TOWARD OLD SAYBROOK.	20.77 MI
8.	MERGE ONTO I-95 N VIA THE EXIT ON THE LEFT TOWARD NEW LONDON/PROVIDENCE.	22.02 MI
9.	TAKE THE ALLYN STREET EXIT, EXIT 89.	0.26 MI
10.	KEEP RIGHT TO TAKE THE RAMP TOWARD MYSTIC.	0.04 MI
11.	MERGE ONTO ALLYN ST.	0.03 MI
12.	TAKE THE 1ST RIGHT ONTO SANDY HOLLOW RD.	0.04 MI
13.	237 SANDY HOLLOW RD, MYSTIC, CT 06355-1617, 237 SANDY HOLLOW RD IS ON THE LEFT.	

VICINITY MAP

SCALE: 1" = 1000'



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 (2 SECTOR SITE):
      - RETAIN A TOTAL OF (2) ANTENNAS (1 ANTENNA PER SECTOR);
      - RETAIN (1) OVP-6 BOX;
      - RETAIN (1) HYBRID CABLE;
      - INSTALL (2) SAMSUNG MT6407-77A ALL-IN-ONE ANTENNA/RRH.
      - REMOVE (2) EXISTING UHIC B4 RRH 2x60-4R UNITS;
      - INSTALL (2) NEW SAMSUNG B2/B66A RRH-BR049 UNITS;
      - REMOVE (1) HYBRID CABLE;
      - INSTALL (1) OVP BOX;
      - INSTALL (1) 6x12 HYBRID CABLE;
      - INSTALL (2) COMMSCOPE - CBC1923Q-43 DIPLEXER

PROJECT INFORMATION

SITE NAME:	MYSTIC WEST CT
SITE ADDRESS:	237 SANDY HOLLOW RD. MYSTIC, CT 06355
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°-22'-09.991"N LONGITUDE: 71°-58'-57.119"W COORDINATES REFERENCED FROM VERIZON WIRELESS RFDS DATED 7/20/2021.

SHEET INDEX

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
2	08/13/21	ANC	DMD	CONSTRUCTION DRAWINGS – REVISED PER RFDS DATED 07/20/2021
1	07/26/21	DMD	TJL	CONSTRUCTION DRAWINGS – REVISED FOR CONSTRUCTION
A	05/04/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
A	04/27/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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

MYSTIC WEST CT

237 SANDY HOLLOW RD.
MYSTIC, CT 06355

DATE: 04/27/21
SCALE: AS NOTED
JOB NO. 20150.16

TITLE SHEET

T-1

Sheet No. 1 of 7

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:

- WIND LOAD: PER TIA 222 G (ANTENNA MOUNTS): 105–120 MPH (3 SECOND GUST)
- RISK CATEGORY: II (BASED ON IBC TABLE 1604.5)
- NOMINAL DESIGN SPEED (OTHER STRUCTURE): 105 MPH (Vasd) (EXPOSURE B/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7–10) PER 2012 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2016 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	05/27/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW
1	07/26/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
2	09/13/21	ANC	DMD	CONSTRUCTION DRAWINGS – REVISED PER RFDS DATED 09/10/2021

PROFESSIONAL ENGINEER SEAL

verizon

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Cellco Partnership d/b/a Verizon Wireless

MYSTIC WEST CT

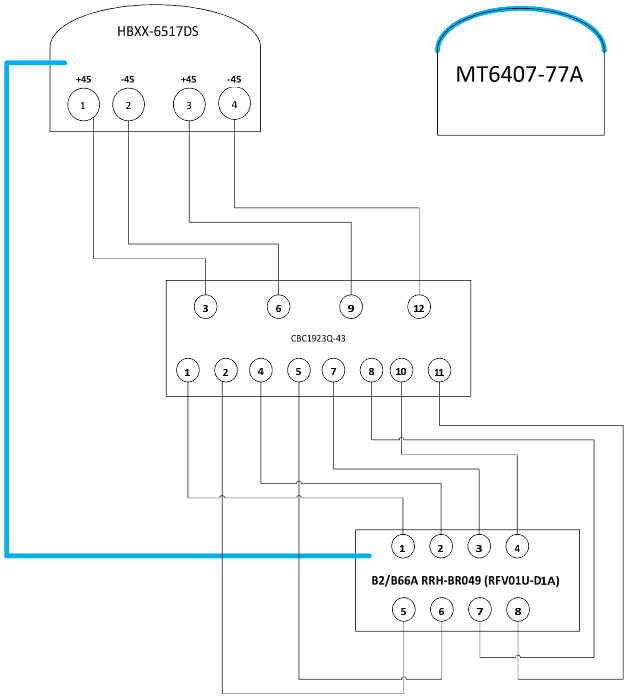
237 SANDY HOLLOW RD.
MYSTIC, CT 06355

DATE: 04/27/21
SCALE: AS NOTED
JOB NO. 20150.16

NOTES AND SPECIFICATIONS

N-1

Sheet No. 2 of 7



TOWER

EQUIPMENT PAD

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.2 DATED: 08.09.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 07.20.21).

BILL OF MATERIALS		
TECHNOLOGY	QUANTITY	ANTENNA
5G	2	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH	COMMENTS
HYBRID CABLE	1	±255FT	6x12 HYBRID CABLE

RADIOS	QUANTITY	COMMENTS
LTE PCS 1900	2	SAMSUNG MODEL: B2/B66A RRH-BR049
LTE AWS 2100		
5G	2	INTEGRATED INTO MT6407-77A ANTENNA

DIPLEXERS	QUANTITY	COMMENTS
COMMSCOPE DIPLEXER	2	COMMSCOPE MODEL: CBC1923Q-43

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

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	–	–

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
A	04/27/21	DWD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW
1	05/04/21	DWD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
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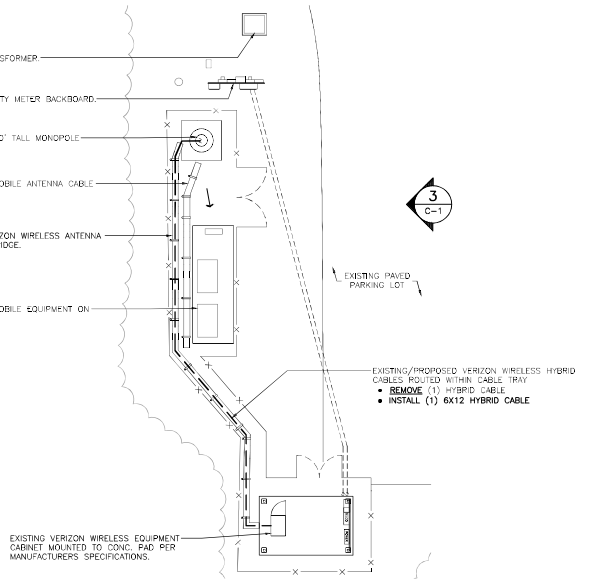
RF BILL OF MATERIALS

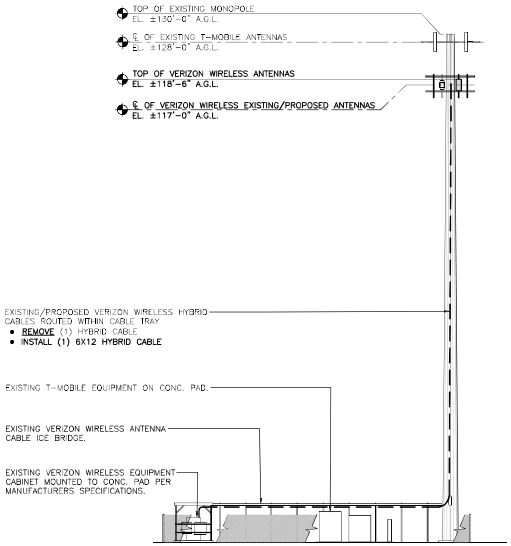
B-1

Sheet No. 3 of 7



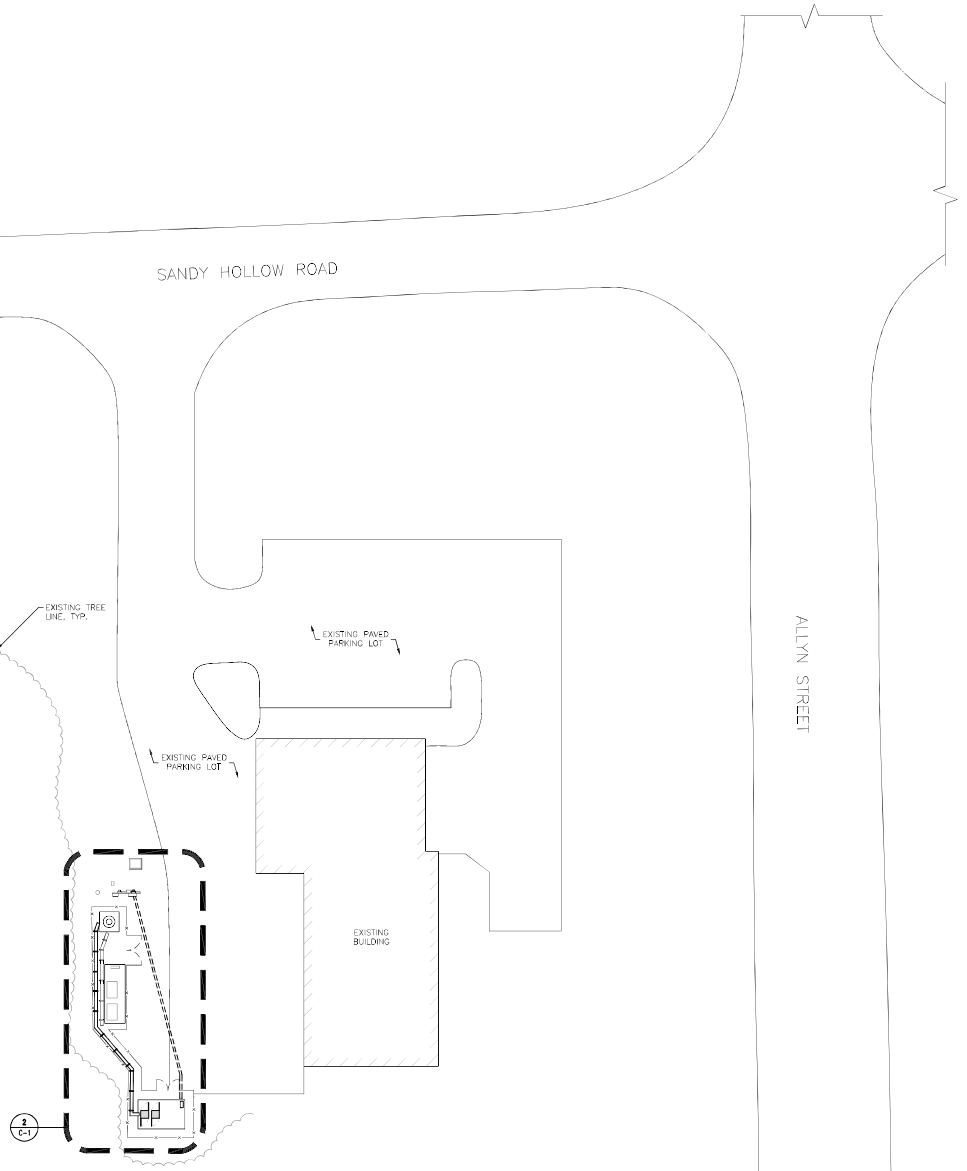
2 C-1 COMPOUND PLAN
SCALE: 1" = 10'

APPROXIMATE NORTH



3 C-1 EAST ELEVATION - PROPOSED CONDITIONS
SCALE: 1" = 15'

APPROXIMATE NORTH



1 C-1 SITE LOCATION PLAN
SCALE: 1" = 20'

APPROXIMATE NORTH

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

REV.	DATE	DRAWN BY	CHK'D. BY	DESCRIPTION
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2	09/13/21	ANC	DMD	CONSTRUCTION DRAWINGS – REVISED PER RFDS DATED 07/30/2021
3	05/04/22	DMD	TJL	CONSTRUCTION DRAWINGS – REVISED FOR CONSTRUCTION

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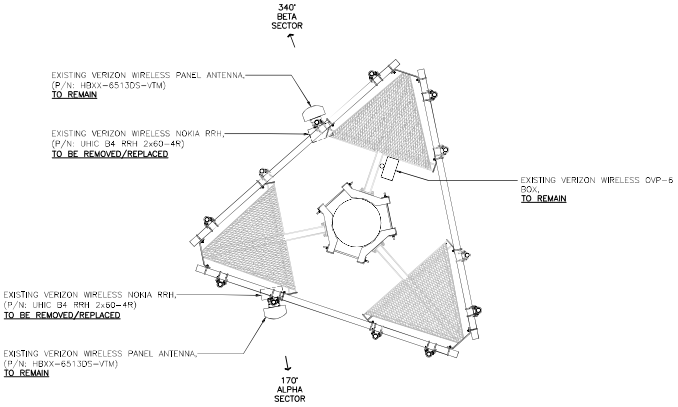
SITE PLANS AND ELEVATION

C-1

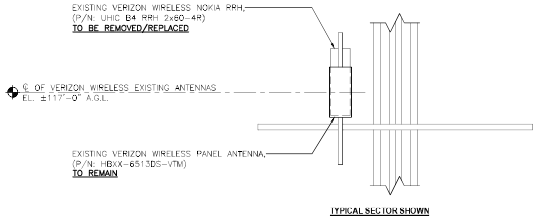
Sheet No. 4 of 7

EXISTING ANTENNA CONFIGURATIONS



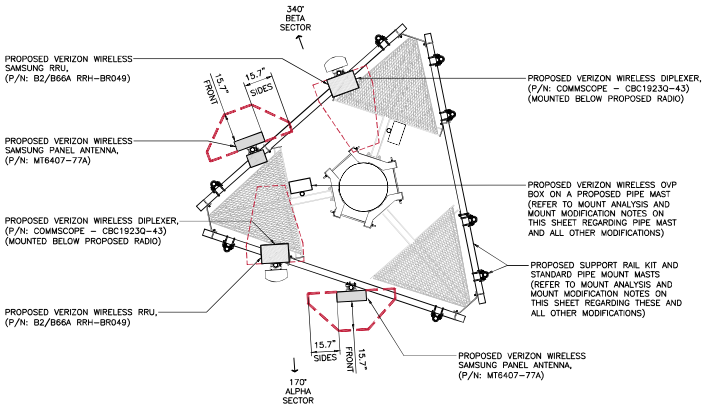
1 C-2 **EXISTING SECTOR CONFIGURATION PLAN**
SCALE: 3/8" = 1'-0"

APPROXIMATE NORTH



1A C-2 **EXISTING SECTOR CONFIGURATION ELEVATION**
SCALE: 3/8" = 1'-0"

PROPOSED ANTENNA CONFIGURATIONS



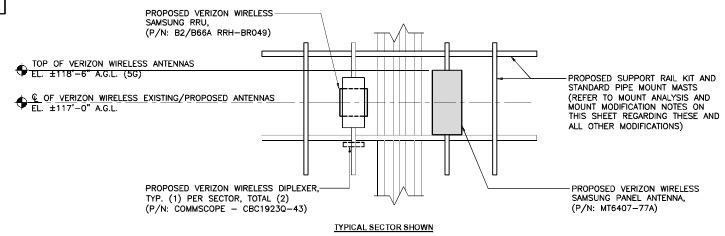
2 C-2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 3/8" = 1'-0"

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
VERIZON WIRELESS RRU REQUIRED CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)	
RRU CLEARANCE STATUS	ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT

ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 07/28/2021 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 07/27/2021 FOR ANTENNA MOUNT MODIFICATIONS.



2A C-2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 3/8" = 1'-0"

REV.	DATE	DRAWN BY	CHK'D. BY	DESCRIPTION
A	05/27/21	DWD	TJL	CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW
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ANTENNA CONFIGURATION DETAILS

C-2

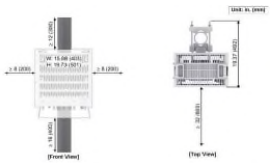
Sheet No. 5 of 7

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"	HORIZONTAL DISTANCE: 31.5" (ANT. TO ANT.)	
FRONT, SIDES & BOTTOM: 15.7"	VERTICAL DISTANCE: 63.0" (ANT. TO ANT.)	
NOTES: 1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH (VZS01).		

1 / C-3 **SECTOR ANTENNA DETAIL**
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.			

2 / C-3 **DUAL-BAND AWS/PCS RADIO UNIT 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

DIPLEXER			
EQUIPMENT	DESCRIPTION	DIMENSIONS	WEIGHT
MAKE: COMMSCOPE MODEL: CBC1923Q-43	QUAD-PACK DIPLEXER PCS/AWS	4.6"H x 8.5"W x 3.3"D	7.3 LB
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

4 / C-3 **DIPLEXER DETAIL**
NOT TO SCALE

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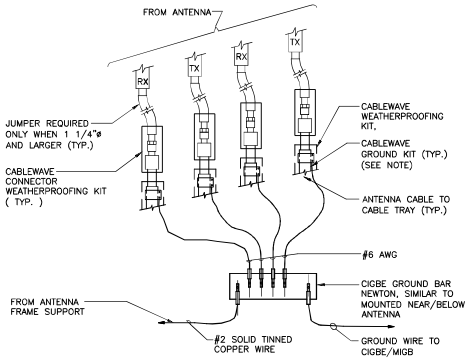
RF DETAILS

C-3

Sheet No. 6 of 7



NOTES:

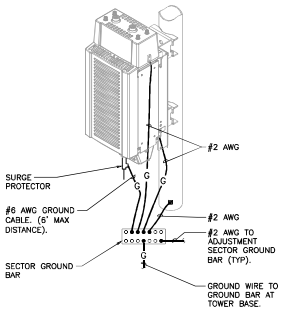
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE

1 E-1 CONNECTION OF GROUND WIRES TO GROUND BAR

NOT TO SCALE

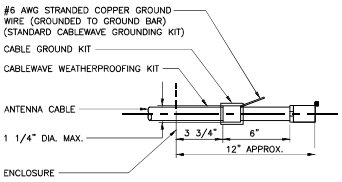
EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

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



2 E-1 RRH POLE MOUNT GROUNDING

NOT TO SCALE

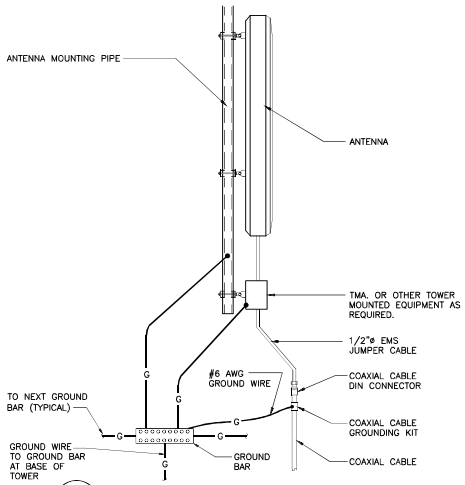


NOTES:

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

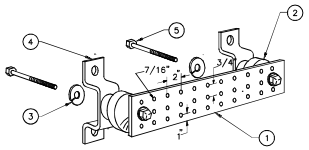
3 E-1 ANTENNA CABLE GROUNDING DETAIL

NOT TO SCALE



4 E-1 TYPICAL ANTENNA GROUNDING DETAIL

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

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
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

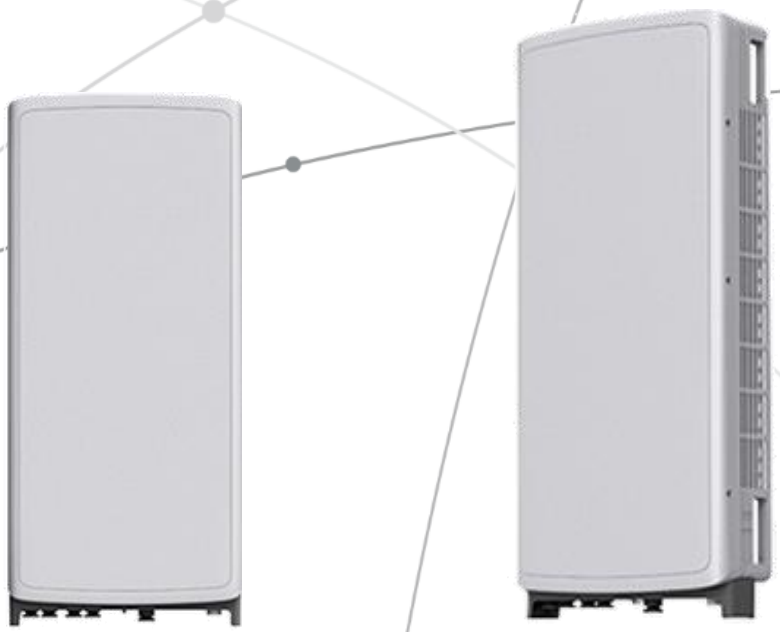
SAMSUNG

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

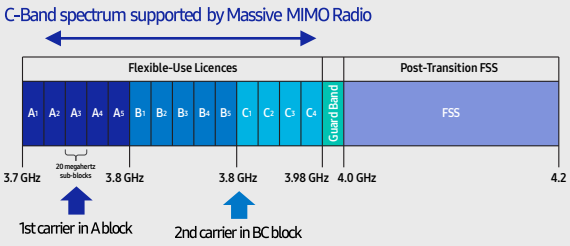


Points of Differentiation

Wide Bandwidth

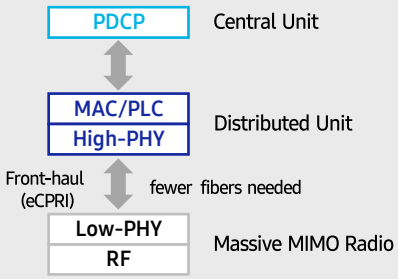
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

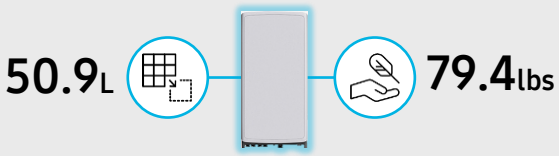
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Mystic W (Groton)								
Tower Height: Verizon @ 117ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	4	1028	127	1900	0.1010	1.0000	1.01%	
*T-Mobile	2	1028	127	1900	0.0505	1.0000	0.51%	
*T-Mobile	2	592	127	600	0.0291	0.4000	0.73%	
*T-Mobile	2	649	127	700	0.0319	0.4667	0.68%	
*T-Mobile	2	2057	127	2100	0.1011	1.0000	1.01%	
*MetroPCS	3	444	117	2140	0.0388	1.0000	0.39%	
VZW 700	**0**	**689**	**117**	**0.0000**	**751**	**0.5007**	**0.00%**	
VZW CDMA	**0**	**467**	**117**	**0.0000**	**877.26**	**0.5848**	**0.00%**	
VZW Cellular	**0**	**699**	**117**	**0.0000**	**874**	**0.5857**	**0.00%**	
VZW PCS	**4**	**670**	**117**	**0.0070**	**1975**	**1.0000**	**0.70%**	
VZW AWS	**4**	**718**	**117**	**0.0075**	**2120**	**1.0000**	**0.75%**	
VZW CBAND	**4**	**6531**	**117**	**0.0686**	**3730.08**	**1.0000**	**6.86%**	
								12.63%
* 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 130 ft Nudd Corporation Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT11561-A

Customer Site Name: Groton 2, CT

Carrier Name: Verizon (App#: 157320, V2)

Carrier Site ID / Name: 468023 / Mystic_West_CT

Site Location: 237 Sandy Hollow Road

Groton, Connecticut

New London County

Latitude: 41.369510

Longitude: -71.982463

Exp.10/31/2021

10/07/2021

Analysis Result:

Max Structural Usage: 68.9% [Pass]

Max Foundation Usage: 39.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: +1.4%

Report Prepared By: Ishwor Dhakal

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Max Foundation Usage: 39.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: +1.4%

Report Prepared By: Ishwor Dhakal

Introduction

The purpose of this report is to summarize the analysis results on the 130 ft Nudd Corporation Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Monopole original shaft section data prepared by Fred. A. Nudd Corp. Dated 05-09-2008. Drawing No 208-13077-1. Monopole previous structural report prepared by FDH Engineering, Inc. Dated 06-17-2015. Project No 15BORZ1400 Rev 1.
Foundation Drawing	Monopole original foundation drawings prepared by Fred. A. Nudd Corp. Dated 05-09-2008. Drawing No 208-13077-1.
Geotechnical Report	Monopole geotechnical report prepared by FDH Engineering, Inc. Dated 03-26-2014. Project No 1424W71600.
Modification Drawings	
Mount Analysis	Post Mod MA by Maser Consulting Group, SMART Tool Project# 10053692 dated 07/28/2021 and mount modification drawing by Maser Consulting Group SMART Tool Project# 10032616 dated 07/27

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 V_{ult} = 135 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 105.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 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
			Ericsson Air 21 B2A/B4P - Panel	Platform w/ Hand Rails	(3) 1.9" Fiber	T-Mobile
			Ericsson Air 21 B4A/B2P - Panel			
			RFS APXVAALL24_43-U-NA20 - Panel			
			Ericsson KRY 112 144/1 TMAs			
			Ericsson 4449 B71 + B85 RRU's			
		4	Commscope HBX-6513DS-A1M - Panel	Low Profile Platform	(2) 1 5/8" Fiber	Verizon
		3	JMA Wireless MX08FRO665-21 Panel	Commscope MC-PK8-DSH Platform w/HRK	(1) 1.6" Hybrid	Dish Wireless
			Fujitsu TA08025-B605 RRU			
			Fujitsu TA08025-B604 RRU			
			Raycap RDIDC-9181-PF-48 OVP			

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
		2	Commscope HBX-6513DS-A1M - Panel	Low Profile Platform w/ Modification [Support Rail with End Connection]	(2) 1 5/8" Fiber	Verizon
			Samsung MT6407-77A - Panel			
			Samsung B2/B66A RRH-BR049 (RFV01U-D1A) RRU's			
			Raycap DB-C1-12C-24AB-0Z OVP Box			
			Commscope CBC1923Q-43 Diplexer			

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	Flange Connection
Max. Usage:				
Pass/Fail	**Pass**	**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 0.7838 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 54.45% at 90.0ft

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT	**Exposure:**	B	
Height:	130.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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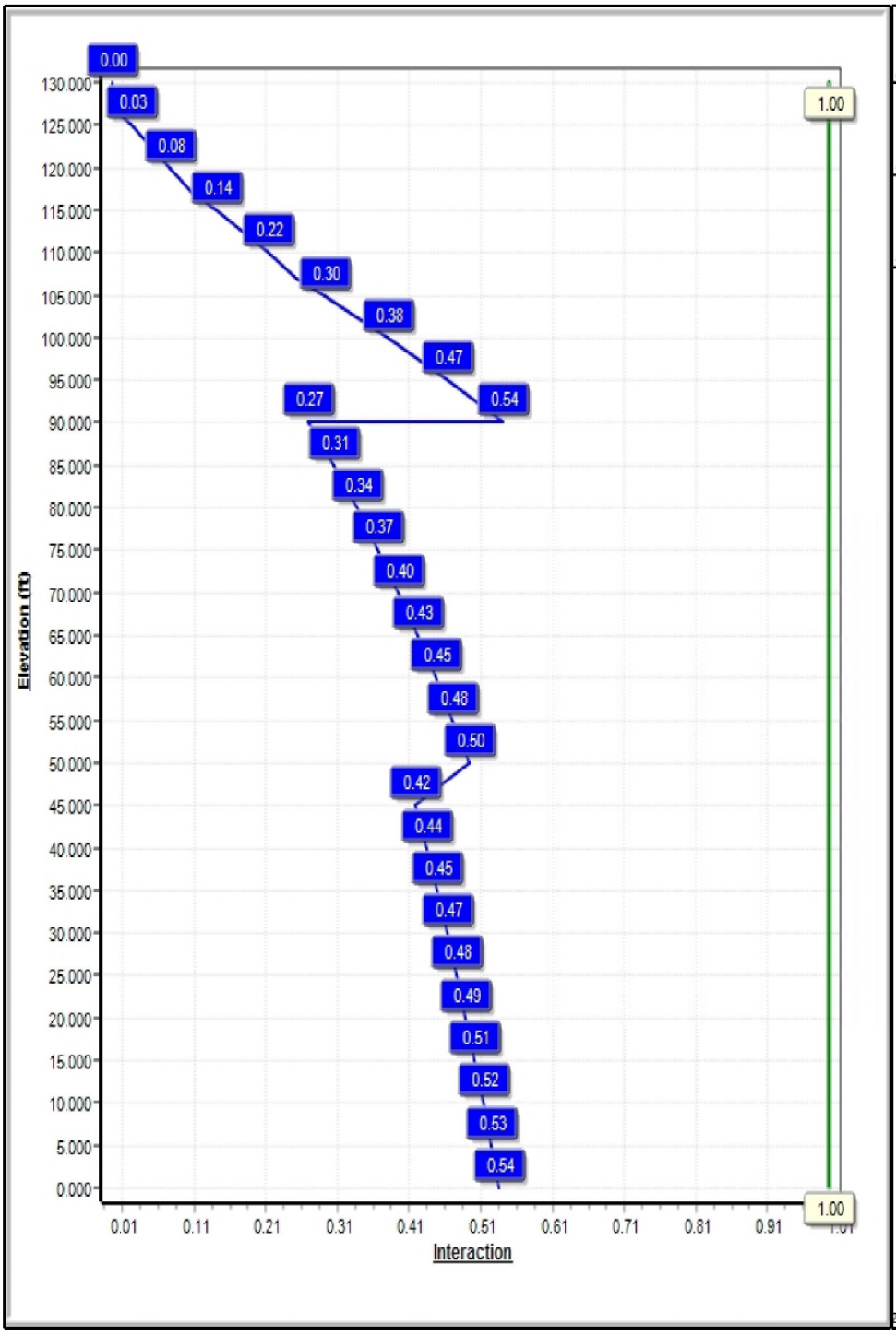
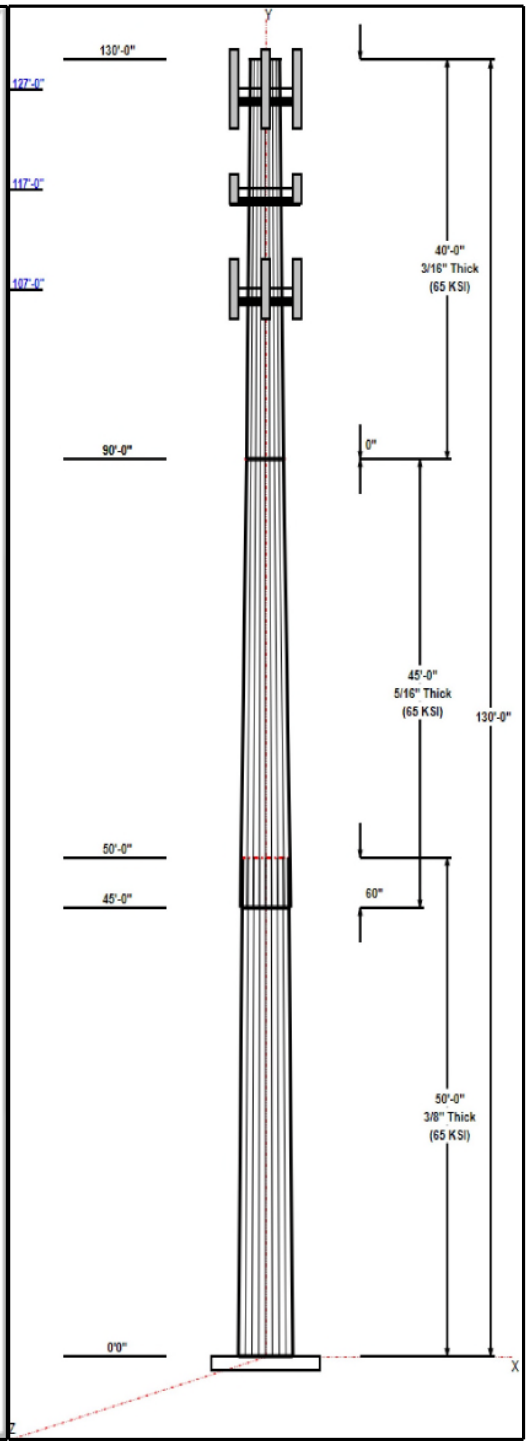
Dead Load Factor:	1.20
Wind Load Factor:	1.60

Load Case : 1.2D + 1.6W 105 mph Wind

Iterations: 22





Structure: CT11561-A-SBA

Type: Tapered
Site Name: Groton 2, CT
Height: 130.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.18942

9/8/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	50.00	38.53	48.00	0.375		0.18942	65
2	45.00	31.58	40.10	0.313	Slip	0.18942	65
3	40.00	24.00	31.58	0.188	Butt	0.18942	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
127.00	127.00	3	Ericsson Air 21 B2A/B4P	T-Mobile
127.00	127.00	3	Ericsson Air 21 B4A/B2P	T-Mobile
127.00	127.00	3	RFS	T-Mobile
127.00	127.00	3	Ericsson KRY 112 144/1	T-Mobile
127.00	127.00	3	Ericsson 4449 B71 + B85	T-Mobile
127.00	127.00	1	Platform w/ Hand Rails	T-Mobile
117.00	117.00	2	CBC1923Q-43	Verizon
117.00	117.00	2	Commscope	Verizon
117.00	117.00	2	Samsung MT6407-77A	Verizon
117.00	117.00	2	Samsung B2/B66A	Verizon
117.00	117.00	2	Raycap	Verizon
117.00	117.00	1	Low Profile Platform	Verizon
117.00	119.50	1	Support Rail Kit	Verizon
107.00	107.00	3	MX08FRO665-21	Dish Wireless
107.00	107.00	1	MC-PK8-DSH	Dish Wireless
107.00	107.00	3	TA08025-B605	Dish Wireless
107.00	107.00	3	TA08025-B604	Dish Wireless
107.00	107.00	1	RDIDC-9181-PF-48	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
3.00	127.00	Inside	1 5/8" Coax	T-Mobile
3.00	127.00	Inside	1.9" Fiber	T-Mobile
3.00	120.00	Inside	1 5/8" Fiber	Verizon
3.00	107.00	Inside	1.6" Hybrid	Dish Wireless

Anchor Bolts

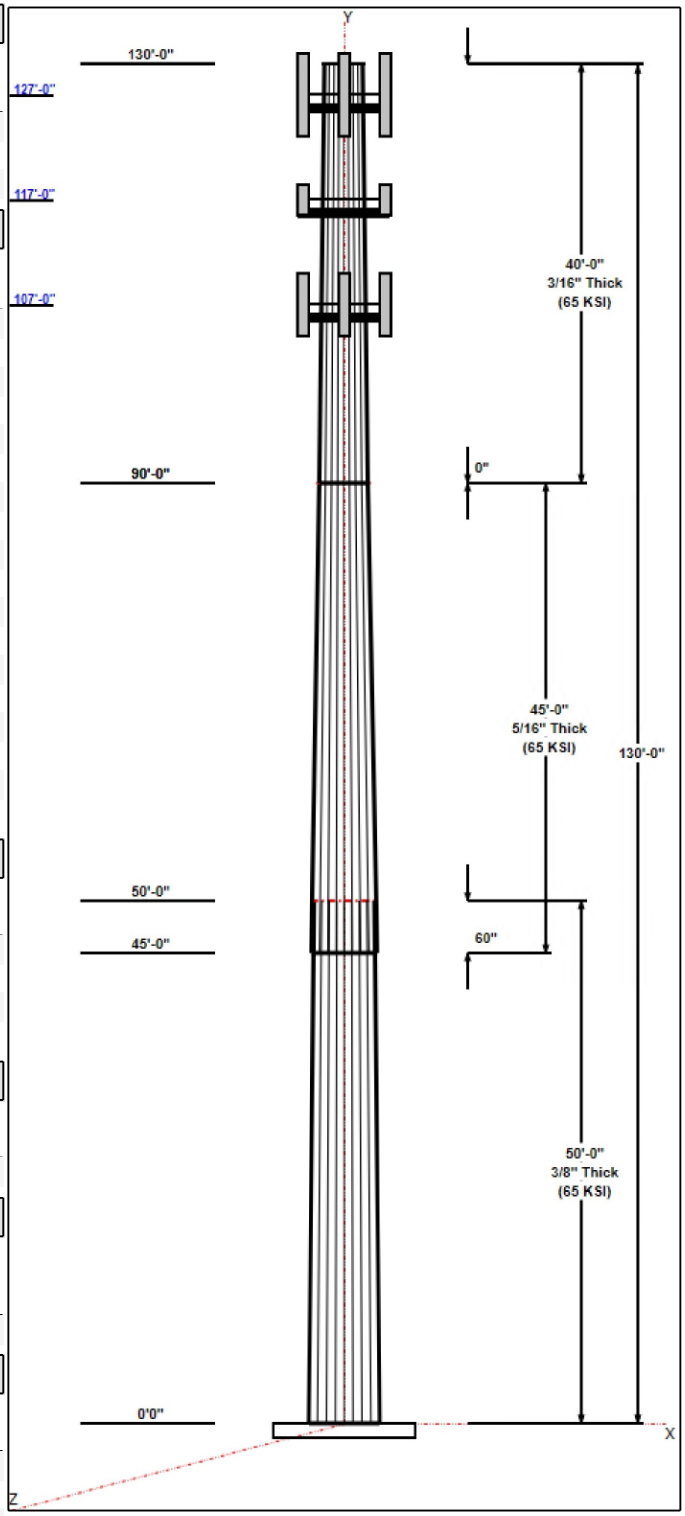
Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" A193 B7	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.5000	60.0	50.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 105 mph Wind	2033.4	21.2	30.9
0.9D + 1.6W 105 mph Wind	2016.5	21.2	23.1
1.2D + 1.0Di + 1.0Wi 50 mph Wind	496.0	5.3	48.9
1.2D + 1.0E	139.4	1.3	30.9
0.9D + 1.0E	138.1	1.3	23.2
1.0D + 1.0W 60 mph Wind	412.9	4.3	25.7



Structure: CT11561-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Groton 2, CT
Height: 130.00 (ft)

9/8/2021

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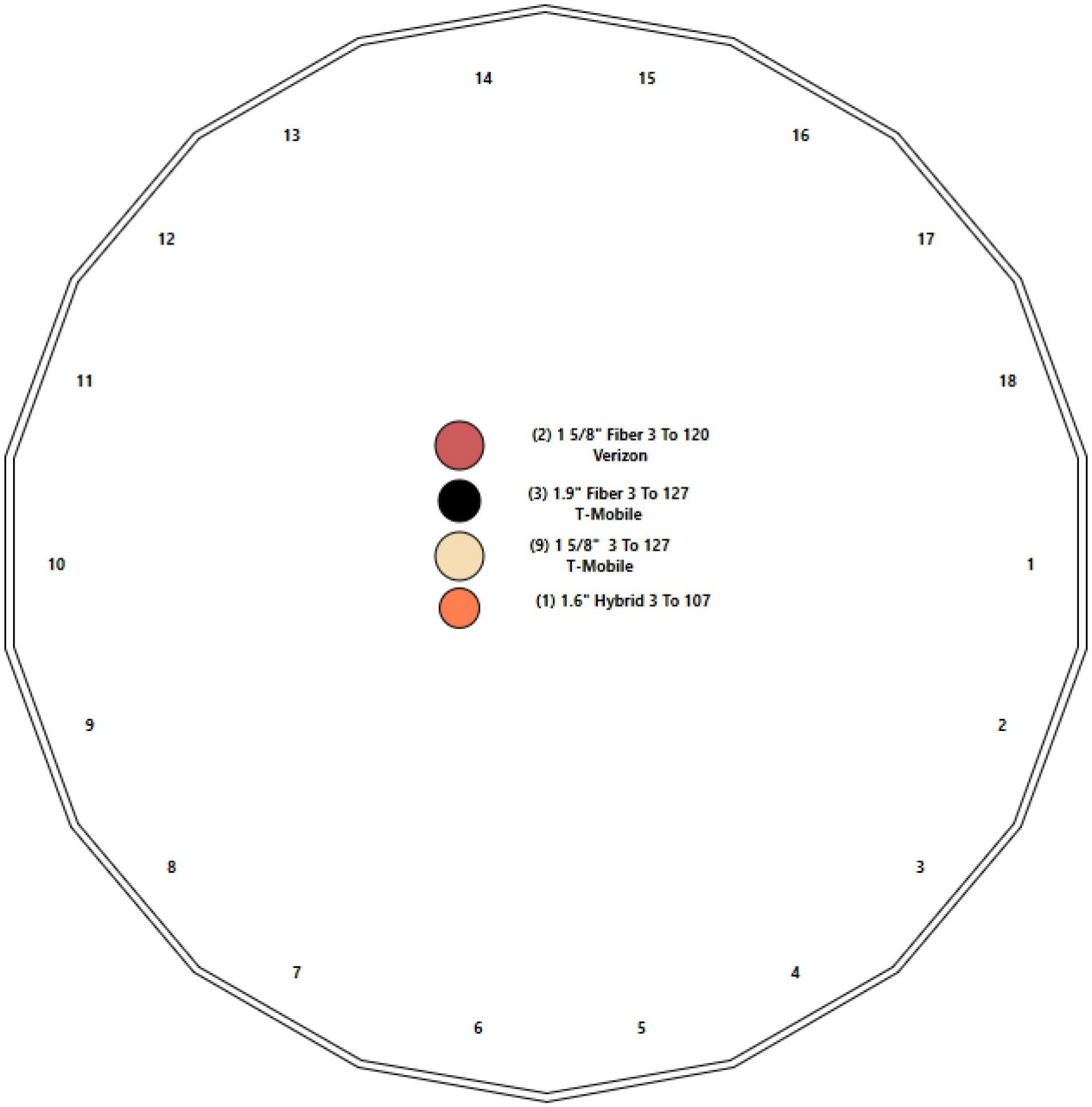

Shaft Properties

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 4

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	50.000	0.3750	65		0.00	8,685
2	18	45.000	0.3125	65	Slip	60.00	5,396
3	18	40.000	0.1875	65	Flange	0.00	2,236
					Total Shaft Weight:		**16,316**

	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	48.00	0.00	56.68	16243.54	21.16	128.00	38.53	50.00	45.41	8352.00	16.71	102.7	0.189423
2	40.10	45.00	39.46	7893.43	21.22	128.32	31.58	90.00	31.01	3829.53	16.41	101.0	0.189423
3	31.58	90.00	18.68	2325.39	28.28	168.41	24.00	130.00	14.17	1015.22	21.16	128.0	0.189423

Load Summary

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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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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	127.00	Ericsson Air 21 B2A/B4P	3	91.50	6.04	0.85	255.27	7.109	0.85	0.00	0.00
2	127.00	Ericsson Air 21 B4A/B2P	3	90.30	6.04	0.85	254.07	7.109	0.85	0.00	0.00
3	127.00	RFS APXVAALL24_43-U-NA20	3	122.80	20.24	0.72	542.58	22.108	0.72	0.00	0.00
4	127.00	Ericsson KRY 112 144/1 TMAs	3	11.00	0.35	0.60	21.60	0.749	0.60	0.00	0.00
5	127.00	Ericsson 4449 B71 + B85 RRU's	3	75.00	1.95	0.67	154.84	2.529	0.67	0.00	0.00
6	127.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	4059.69	60.597	1.00	0.00	0.00
7	117.00	CBC1923Q-43	2	7.90	0.32	1.00	24.18	0.588	1.00	0.00	0.00
8	117.00	Commscope HBX-6513DS-A1M	2	6.20	1.58	1.00	45.59	2.634	1.00	0.00	0.00
9	117.00	Samsung MT6407-77A	2	87.10	4.69	1.00	201.33	5.629	1.00	0.00	0.00
10	117.00	Samsung B2/B66A RRH-BR049	2	84.40	1.88	1.00	158.63	2.428	1.00	0.00	0.00
11	117.00	Raycap DB-C1-12C-24AB-0Z OVP	2	32.00	4.06	1.00	273.40	4.793	1.00	0.00	0.00
12	117.00	Low Profile Platform (Valmont	1	1500.00	25.00	1.00	2776.79	44.578	1.00	0.00	0.00
13	117.00	Support Rail Kit (VZWSMART-PLK1)	1	261.72	6.75	1.00	564.69	13.185	1.00	0.00	2.50
14	107.00	MX08FRO665-21	3	64.50	12.49	0.74	345.71	13.906	0.74	0.00	0.00
15	107.00	MC-PK8-DSH	1	1727.00	37.59	1.00	3358.77	83.255	1.00	0.00	0.00
16	107.00	TA08025-B605	3	75.00	1.96	0.67	125.57	2.502	0.67	0.00	0.00
17	107.00	TA08025-B604	3	63.90	1.96	0.67	112.85	2.502	0.67	0.00	0.00
18	107.00	RDIDC-9181-PF-48	1	21.85	2.01	1.00	73.21	2.559	1.00	0.00	0.00
		Totals:	**39**	**7,727.77**			**17,676.83**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
3.00	127.00	(9) 1 5/8" Coax	0.00	Inside
3.00	127.00	(3) 1.9" Fiber	0.00	Inside
3.00	120.00	(2) 1 5/8" Fiber	0.00	Inside
3.00	107.00	(1) 1.6" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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	

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Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3750	48.000	56.684	16243.5	21.16	128.00	76.5	666.5	0.0
5.00		0.3750	47.053	55.556	15293.6	20.71	125.47	77.0	640.2	954.8
10.00		0.3750	46.106	54.429	14381.4	20.27	122.95	77.6	614.4	935.6
15.00		0.3750	45.159	53.302	13506.2	19.82	120.42	78.1	589.1	916.5
20.00		0.3750	44.212	52.175	12667.3	19.38	117.90	78.6	564.3	897.3
25.00		0.3750	43.264	51.047	11863.9	18.93	115.37	79.1	540.1	878.1
30.00		0.3750	42.317	49.920	11095.1	18.49	112.85	79.7	516.4	858.9
35.00		0.3750	41.370	48.793	10360.3	18.04	110.32	80.2	493.3	839.7
40.00		0.3750	40.423	47.666	9658.7	17.60	107.79	80.7	470.6	820.6
45.00	Bot - Section 2	0.3750	39.476	46.538	8989.5	17.15	105.27	81.2	448.5	801.4
50.00	Top - Section 1	0.3125	39.154	38.524	7343.1	20.68	125.29	0.0	0.0	1445.6
55.00		0.3125	38.207	37.585	6818.9	20.15	122.26	77.7	351.5	647.5
60.00		0.3125	37.260	36.646	6320.3	19.61	119.23	78.3	334.1	631.5
65.00		0.3125	36.312	35.706	5846.6	19.08	116.20	79.0	317.1	615.5
70.00		0.3125	35.365	34.767	5397.2	18.54	113.17	79.6	300.6	599.5
75.00		0.3125	34.418	33.827	4971.4	18.01	110.14	80.2	284.5	583.5
80.00		0.3125	33.471	32.888	4568.6	17.48	107.11	80.8	268.8	567.5
85.00		0.3125	32.524	31.949	4188.2	16.94	104.08	81.5	253.6	551.6
90.00	Top - Section 2	0.3125	31.577	31.009	3829.5	16.41	101.05	82.1	238.9	535.6
90.00	Bot - Section 3	0.1875	31.577	18.680	2325.4	27.34	168.41	68.1	145.0	
95.00		0.1875	30.630	18.116	2121.2	27.39	163.36	69.2	136.4	313.0
100.00		0.1875	29.683	17.553	1929.3	26.50	158.31	70.2	128.0	303.4
105.00		0.1875	28.736	16.989	1749.3	25.61	153.26	71.3	119.9	293.8
107.00		0.1875	28.357	16.764	1680.6	25.26	151.24	71.7	116.7	114.9
110.00		0.1875	27.788	16.425	1581.0	24.72	148.21	72.3	112.1	169.4
115.00		0.1875	26.841	15.862	1423.7	23.83	143.15	73.4	104.5	274.7
117.00		0.1875	26.462	15.636	1363.9	23.47	141.13	73.8	101.5	107.2
120.00		0.1875	25.894	15.298	1277.3	22.94	138.10	74.4	97.2	157.9
125.00		0.1875	24.947	14.735	1141.2	22.05	133.05	75.5	90.1	255.5
127.00		0.1875	24.568	14.509	1089.7	21.69	131.03	75.9	87.4	99.5
130.00		0.1875	24.000	14.171	1015.2	21.16	128.00	76.5	83.3	146.4
										16316.4

Wind Loading - Shaft

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	18.769	20.65	356.82	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	18.769	20.65	349.78	0.650	0.000	5.00	20.108	13.07	431.8	0.0	1145.8
10.00		1.00	0.70	18.769	20.65	342.74	0.650	0.000	5.00	19.707	12.81	423.2	0.0	1122.8
15.00		1.00	0.70	18.769	20.65	335.70	0.650	0.000	5.00	19.307	12.55	414.5	0.0	1099.8
20.00		1.00	0.70	18.769	20.65	328.66	0.650	0.000	5.00	18.906	12.29	405.9	0.0	1076.7
25.00		1.00	0.70	18.769	20.65	321.62	0.650	0.000	5.00	18.505	12.03	397.3	0.0	1053.7
30.00		1.00	0.70	18.785	20.66	314.71	0.650	0.000	5.00	18.105	11.77	389.1	0.0	1030.7
35.00		1.00	0.73	19.631	21.59	314.51	0.650	0.000	5.00	17.704	11.51	397.6	0.0	1007.7
40.00		1.00	0.76	20.394	22.43	313.23	0.650	0.000	5.00	17.303	11.25	403.7	0.0	984.7
45.00	Bot - Section 2	1.00	0.79	21.092	23.20	311.08	0.650	0.000	5.00	16.902	10.99	407.8	0.0	961.7
50.00	Top - Section 1	1.00	0.81	21.737	23.91	308.22	0.650	0.000	5.00	16.766	10.90	416.9	0.0	1734.8
55.00		1.00	0.83	22.337	24.57	309.84	0.650	0.000	5.00	16.365	10.64	418.2	0.0	776.9
60.00		1.00	0.85	22.899	25.19	305.94	0.650	0.000	5.00	15.965	10.38	418.2	0.0	757.8
65.00		1.00	0.87	23.429	25.77	301.59	0.650	0.000	5.00	15.564	10.12	417.2	0.0	738.6
70.00		1.00	0.89	23.930	26.32	296.85	0.650	0.000	5.00	15.163	9.86	415.1	0.0	719.4
75.00		1.00	0.91	24.406	26.85	291.76	0.650	0.000	5.00	14.763	9.60	412.2	0.0	700.2
80.00		1.00	0.93	24.861	27.35	286.36	0.650	0.000	5.00	14.362	9.34	408.5	0.0	681.1
85.00		1.00	0.94	25.295	27.82	280.68	0.650	0.000	5.00	13.961	9.07	404.0	0.0	661.9
90.00	Top - Section 2	1.00	0.96	25.711	28.28	274.74	0.650	0.000	5.00	13.560	8.81	398.9	0.0	642.7
95.00		1.00	0.97	26.112	28.72	268.56	0.650	0.000	5.00	13.160	8.55	393.1	0.0	375.6
100.00		1.00	0.99	26.497	29.15	262.17	0.650	0.000	5.00	12.759	8.29	386.8	0.0	364.1
105.00		1.00	1.00	26.869	29.56	255.58	0.650	0.000	5.00	12.358	8.03	379.9	0.0	352.6
107.00	Appurtenance(s)	1.00	1.01	27.014	29.72	252.89	0.650	0.000	2.00	4.831	3.14	149.3	0.0	137.8
110.00		1.00	1.02	27.229	29.95	248.81	0.650	0.000	3.00	7.126	4.63	222.0	0.0	203.3
115.00		1.00	1.03	27.577	30.33	241.86	0.650	0.000	5.00	11.557	7.51	364.6	0.0	329.6
117.00	Appurtenance(s)	1.00	1.03	27.713	30.48	239.03	0.650	0.000	2.00	4.511	2.93	143.0	0.0	128.6
120.00		1.00	1.04	27.914	30.71	234.75	0.650	0.000	3.00	6.646	4.32	212.2	0.0	189.5
125.00		1.00	1.05	28.242	31.07	227.48	0.650	0.000	5.00	10.755	6.99	347.5	0.0	306.6
127.00	Appurtenance(s)	1.00	1.06	28.370	31.21	224.54	0.650	0.000	2.00	4.190	2.72	136.0	0.0	119.4
130.00		1.00	1.07	28.560	31.42	220.08	0.650	0.000	3.00	6.165	4.01	201.4	0.0	175.7
								Totals:	**130.00**			**10,315.7**		**19,579.7**

Discrete Appurtenance Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 22

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	127.00	Ericsson 4449 B71 + B85	3	28.370	31.207	0.50	0.75	2.94	270.00	0.000	0.000	146.78	0.00	0.00
2	127.00	Ericsson KRY 112 144/1	3	28.370	31.207	0.45	0.75	0.47	39.60	0.000	0.000	23.59	0.00	0.00
3	127.00	RFS	3	28.370	31.207	0.54	0.75	32.79	442.08	0.000	0.000	1637.18	0.00	0.00
4	127.00	Ericsson Air 21 B4A/B2P	3	28.370	31.207	0.64	0.75	11.55	325.08	0.000	0.000	576.78	0.00	0.00
5	127.00	Ericsson Air 21 B2A/B4P	3	28.370	31.207	0.64	0.75	11.55	329.40	0.000	0.000	576.78	0.00	0.00
6	127.00	Platform w/ Hand Rails	1	28.370	31.207	1.00	1.00	40.00	2400.00	0.000	0.000	1997.25	0.00	0.00
7	117.00	Raycap	2	27.713	30.484	1.00	1.00	8.12	76.80	0.000	0.000	396.05	0.00	0.00
8	117.00	Support Rail Kit	1	27.881	30.669	1.00	1.00	6.75	314.06	0.000	2.500	331.22	0.00	828.06
9	117.00	Low Profile Platform	1	27.713	30.484	1.00	1.00	25.00	1800.00	0.000	0.000	1219.37	0.00	0.00
10	117.00	Samsung B2/B66A	2	27.713	30.484	1.00	1.00	3.76	202.56	0.000	0.000	183.39	0.00	0.00
11	117.00	Samsung MT6407-77A	2	27.713	30.484	1.00	1.00	9.38	209.04	0.000	0.000	457.51	0.00	0.00
12	117.00	Commscope	2	27.713	30.484	1.00	1.00	3.16	14.88	0.000	0.000	154.13	0.00	0.00
13	117.00	CBC1923Q-43	2	27.713	30.484	1.00	1.00	0.64	18.96	0.000	0.000	31.22	0.00	0.00
14	107.00	RDIDC-9181-PF-48	1	27.014	29.716	1.00	1.00	2.01	26.22	0.000	0.000	95.57	0.00	0.00
15	107.00	TA08025-B604	3	27.014	29.716	0.50	0.75	2.95	230.04	0.000	0.000	140.48	0.00	0.00
16	107.00	TA08025-B605	3	27.014	29.716	0.50	0.75	2.95	270.00	0.000	0.000	140.48	0.00	0.00
17	107.00	MC-PK8-DSH	1	27.014	29.716	1.00	1.00	37.59	2072.40	0.000	0.000	1787.23	0.00	0.00
18	107.00	MX08FRO665-21	3	27.014	29.716	0.55	0.75	20.80	232.20	0.000	0.000	988.75	0.00	0.00
							Totals:		**9,273.32**			**10,883.76**		

Total Applied Force Summary

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 9

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		431.76	1179.24	0.00	0.00
10.00		423.15	1206.41	0.00	0.00
15.00		414.55	1183.39	0.00	0.00
20.00		405.94	1160.38	0.00	0.00
25.00		397.34	1137.36	0.00	0.00
30.00		389.06	1114.35	0.00	0.00
35.00		397.58	1091.33	0.00	0.00
40.00		403.70	1068.32	0.00	0.00
45.00		407.84	1045.30	0.00	0.00
50.00		416.92	1818.42	0.00	0.00
55.00		418.19	860.59	0.00	0.00
60.00		418.22	841.41	0.00	0.00
65.00		417.15	822.23	0.00	0.00
70.00		415.11	803.05	0.00	0.00
75.00		412.18	783.87	0.00	0.00
80.00		408.46	764.69	0.00	0.00
85.00		404.00	745.51	0.00	0.00
90.00		398.86	726.34	0.00	0.00
95.00		393.10	459.27	0.00	0.00
100.00		386.76	447.76	0.00	0.00
105.00		379.87	436.25	0.00	0.00
107.00	(11) attachments	3301.81	3002.14	0.00	0.00
110.00		221.99	249.87	0.00	0.00
115.00		364.59	407.24	0.00	0.00
117.00	(12) attachments	2915.89	2795.98	0.00	828.06
120.00		212.22	236.06	0.00	0.00
125.00		347.49	371.74	0.00	0.00
127.00	(16) attachments	5094.34	3951.64	0.00	0.00
130.00		201.42	175.66	0.00	0.00
	Totals:	**21,199.50**	**30,885.81**	**0.00**	**828.06**

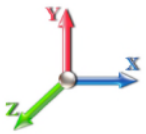
Calculated Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-30.85	-21.25	0.00	-2033.3	0.00	2033.39	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.540
5.00	-29.61	-20.90	0.00	-1927.1	0.00	1927.16	3851.93	1925.96	7386.73	3698.85	0.09	-0.173	0.000	0.529
10.00	-28.34	-20.56	0.00	-1822.6	0.00	1822.65	3799.43	1899.71	7137.04	3573.82	0.37	-0.348	0.000	0.518
15.00	-27.10	-20.22	0.00	-1719.8	0.00	1719.84	3745.86	1872.93	6889.51	3449.88	0.83	-0.523	0.000	0.506
20.00	-25.88	-19.88	0.00	-1618.7	0.00	1618.74	3691.24	1845.62	6644.27	3327.07	1.47	-0.699	0.000	0.494
25.00	-24.69	-19.54	0.00	-1519.3	0.00	1519.34	3635.55	1817.78	6401.45	3205.48	2.30	-0.875	0.000	0.481
30.00	-23.53	-19.21	0.00	-1421.6	0.00	1421.61	3578.80	1789.40	6161.16	3085.16	3.31	-1.051	0.000	0.467
35.00	-22.39	-18.86	0.00	-1325.5	0.00	1325.57	3520.99	1760.49	5923.54	2966.17	4.50	-1.227	0.000	0.453
40.00	-21.27	-18.50	0.00	-1231.2	0.00	1231.27	3462.11	1731.06	5688.70	2848.58	5.88	-1.403	0.000	0.438
45.00	-20.18	-18.12	0.00	-1138.7	0.00	1138.79	3402.17	1701.09	5456.79	2732.45	7.45	-1.578	0.000	0.423
50.00	-18.32	-17.71	0.00	-1048.1	0.00	1048.18	2672.34	1336.17	4264.27	2135.31	9.19	-1.751	0.000	0.498
55.00	-17.42	-17.32	0.00	-959.65	0.00	959.65	2628.44	1314.22	4091.13	2048.60	11.12	-1.922	0.000	0.475
60.00	-16.54	-16.92	0.00	-873.06	0.00	873.06	2583.48	1291.74	3919.82	1962.82	13.23	-2.113	0.000	0.451
65.00	-15.68	-16.53	0.00	-788.44	0.00	788.44	2537.45	1268.73	3750.46	1878.02	15.54	-2.300	0.000	0.426
70.00	-14.85	-16.12	0.00	-705.80	0.00	705.80	2490.36	1245.18	3583.19	1794.26	18.05	-2.481	0.000	0.399
75.00	-14.03	-15.72	0.00	-625.18	0.00	625.18	2442.21	1221.10	3418.12	1711.60	20.74	-2.657	0.000	0.371
80.00	-13.25	-15.31	0.00	-546.58	0.00	546.58	2392.99	1196.50	3255.39	1630.11	23.62	-2.825	0.000	0.341
85.00	-12.48	-14.91	0.00	-470.02	0.00	470.02	2342.71	1171.36	3095.11	1549.86	26.66	-2.983	0.000	0.309
90.00	-11.74	-14.50	0.00	-395.49	0.00	395.49	2291.37	1145.69	2937.41	1470.89	29.86	-3.130	0.000	0.274
90.00	-11.74	-14.50	0.00	-395.49	0.00	395.49	1145.45	572.73	1480.17	741.18	29.86	-3.130	0.000	0.544
95.00	-11.27	-14.11	0.00	-323.01	0.00	323.01	1127.97	563.98	1413.34	707.72	33.21	-3.263	0.000	0.467
100.00	-10.80	-13.73	0.00	-252.45	0.00	252.45	1109.42	554.71	1346.59	674.30	36.74	-3.456	0.000	0.385
105.00	-10.36	-13.35	0.00	-183.79	0.00	183.79	1089.82	544.91	1280.05	640.97	40.45	-3.617	0.000	0.297
107.00	-7.57	-9.87	0.00	-157.10	0.00	157.10	1081.68	540.84	1253.52	627.69	41.97	-3.672	0.000	0.258
110.00	-7.32	-9.64	0.00	-127.49	0.00	127.49	1069.15	534.57	1213.84	607.82	44.30	-3.745	0.000	0.217
115.00	-6.92	-9.26	0.00	-79.29	0.00	79.29	1047.42	523.71	1148.08	574.89	48.28	-3.838	0.000	0.145
117.00	-4.33	-6.16	0.00	-59.94	0.00	59.94	1038.42	519.21	1121.94	561.80	49.89	-3.866	0.000	0.111
120.00	-4.10	-5.94	0.00	-41.46	0.00	41.46	1024.62	512.31	1082.91	542.26	52.33	-3.897	0.000	0.081
125.00	-3.75	-5.57	0.00	-11.77	0.00	11.77	1000.76	500.38	1018.44	509.98	56.43	-3.927	0.000	0.027
127.00	-0.16	-0.21	0.00	-0.64	0.00	0.64	990.92	495.46	992.88	497.18	58.07	-3.930	0.000	0.001
130.00	0.00	-0.20	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11	60.54	-3.930	0.000	0.000

Wind Loading - Shaft

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	18.769	20.65	356.82	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	18.769	20.65	349.78	0.650	0.000	5.00	20.108	13.07	431.8	0.0	859.3
10.00		1.00	0.70	18.769	20.65	342.74	0.650	0.000	5.00	19.707	12.81	423.2	0.0	842.1
15.00		1.00	0.70	18.769	20.65	335.70	0.650	0.000	5.00	19.307	12.55	414.5	0.0	824.8
20.00		1.00	0.70	18.769	20.65	328.66	0.650	0.000	5.00	18.906	12.29	405.9	0.0	807.6
25.00		1.00	0.70	18.769	20.65	321.62	0.650	0.000	5.00	18.505	12.03	397.3	0.0	790.3
30.00		1.00	0.70	18.785	20.66	314.71	0.650	0.000	5.00	18.105	11.77	389.1	0.0	773.0
35.00		1.00	0.73	19.631	21.59	314.51	0.650	0.000	5.00	17.704	11.51	397.6	0.0	755.8
40.00		1.00	0.76	20.394	22.43	313.23	0.650	0.000	5.00	17.303	11.25	403.7	0.0	738.5
45.00	Bot - Section 2	1.00	0.79	21.092	23.20	311.08	0.650	0.000	5.00	16.902	10.99	407.8	0.0	721.2
50.00	Top - Section 1	1.00	0.81	21.737	23.91	308.22	0.650	0.000	5.00	16.766	10.90	416.9	0.0	1301.1
55.00		1.00	0.83	22.337	24.57	309.84	0.650	0.000	5.00	16.365	10.64	418.2	0.0	582.7
60.00		1.00	0.85	22.899	25.19	305.94	0.650	0.000	5.00	15.965	10.38	418.2	0.0	568.3
65.00		1.00	0.87	23.429	25.77	301.59	0.650	0.000	5.00	15.564	10.12	417.2	0.0	553.9
70.00		1.00	0.89	23.930	26.32	296.85	0.650	0.000	5.00	15.163	9.86	415.1	0.0	539.6
75.00		1.00	0.91	24.406	26.85	291.76	0.650	0.000	5.00	14.763	9.60	412.2	0.0	525.2
80.00		1.00	0.93	24.861	27.35	286.36	0.650	0.000	5.00	14.362	9.34	408.5	0.0	510.8
85.00		1.00	0.94	25.295	27.82	280.68	0.650	0.000	5.00	13.961	9.07	404.0	0.0	496.4
90.00	Top - Section 2	1.00	0.96	25.711	28.28	274.74	0.650	0.000	5.00	13.560	8.81	398.9	0.0	482.0
95.00		1.00	0.97	26.112	28.72	268.56	0.650	0.000	5.00	13.160	8.55	393.1	0.0	281.7
100.00		1.00	0.99	26.497	29.15	262.17	0.650	0.000	5.00	12.759	8.29	386.8	0.0	273.1
105.00		1.00	1.00	26.869	29.56	255.58	0.650	0.000	5.00	12.358	8.03	379.9	0.0	264.5
107.00	Appurtenance(s)	1.00	1.01	27.014	29.72	252.89	0.650	0.000	2.00	4.831	3.14	149.3	0.0	103.4
110.00		1.00	1.02	27.229	29.95	248.81	0.650	0.000	3.00	7.126	4.63	222.0	0.0	152.5
115.00		1.00	1.03	27.577	30.33	241.86	0.650	0.000	5.00	11.557	7.51	364.6	0.0	247.2
117.00	Appurtenance(s)	1.00	1.03	27.713	30.48	239.03	0.650	0.000	2.00	4.511	2.93	143.0	0.0	96.5
120.00		1.00	1.04	27.914	30.71	234.75	0.650	0.000	3.00	6.646	4.32	212.2	0.0	142.1
125.00		1.00	1.05	28.242	31.07	227.48	0.650	0.000	5.00	10.755	6.99	347.5	0.0	229.9
127.00	Appurtenance(s)	1.00	1.06	28.370	31.21	224.54	0.650	0.000	2.00	4.190	2.72	136.0	0.0	89.6
130.00		1.00	1.07	28.560	31.42	220.08	0.650	0.000	3.00	6.165	4.01	201.4	0.0	131.7
								Totals:	**130.00**			**10,315.7**		**14,684.8**

Discrete Appurtenance Forces

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 12

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 22

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	127.00	Ericsson 4449 B71 + B85	3	28.370	31.207	0.50	0.75	2.94	202.50	0.000	0.000	146.78	0.00	0.00
2	127.00	Ericsson KRY 112 144/1	3	28.370	31.207	0.45	0.75	0.47	29.70	0.000	0.000	23.59	0.00	0.00
3	127.00	RFS	3	28.370	31.207	0.54	0.75	32.79	331.56	0.000	0.000	1637.18	0.00	0.00
4	127.00	Ericsson Air 21 B4A/B2P	3	28.370	31.207	0.64	0.75	11.55	243.81	0.000	0.000	576.78	0.00	0.00
5	127.00	Ericsson Air 21 B2A/B4P	3	28.370	31.207	0.64	0.75	11.55	247.05	0.000	0.000	576.78	0.00	0.00
6	127.00	Platform w/ Hand Rails	1	28.370	31.207	1.00	1.00	40.00	1800.00	0.000	0.000	1997.25	0.00	0.00
7	117.00	Raycap	2	27.713	30.484	1.00	1.00	8.12	57.60	0.000	0.000	396.05	0.00	0.00
8	117.00	Support Rail Kit	1	27.881	30.669	1.00	1.00	6.75	235.55	0.000	2.500	331.22	0.00	828.06
9	117.00	Low Profile Platform	1	27.713	30.484	1.00	1.00	25.00	1350.00	0.000	0.000	1219.37	0.00	0.00
10	117.00	Samsung B2/B66A	2	27.713	30.484	1.00	1.00	3.76	151.92	0.000	0.000	183.39	0.00	0.00
11	117.00	Samsung MT6407-77A	2	27.713	30.484	1.00	1.00	9.38	156.78	0.000	0.000	457.51	0.00	0.00
12	117.00	Commscope	2	27.713	30.484	1.00	1.00	3.16	11.16	0.000	0.000	154.13	0.00	0.00
13	117.00	CBC1923Q-43	2	27.713	30.484	1.00	1.00	0.64	14.22	0.000	0.000	31.22	0.00	0.00
14	107.00	RDIDC-9181-PF-48	1	27.014	29.716	1.00	1.00	2.01	19.67	0.000	0.000	95.57	0.00	0.00
15	107.00	TA08025-B604	3	27.014	29.716	0.50	0.75	2.95	172.53	0.000	0.000	140.48	0.00	0.00
16	107.00	TA08025-B605	3	27.014	29.716	0.50	0.75	2.95	202.50	0.000	0.000	140.48	0.00	0.00
17	107.00	MC-PK8-DSH	1	27.014	29.716	1.00	1.00	37.59	1554.30	0.000	0.000	1787.23	0.00	0.00
18	107.00	MX08FRO665-21	3	27.014	29.716	0.55	0.75	20.80	174.15	0.000	0.000	988.75	0.00	0.00
							Totals:		**6,954.99**			**10,883.76**		

Total Applied Force Summary

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		431.76	884.43	0.00	0.00
10.00		423.15	904.81	0.00	0.00
15.00		414.55	887.54	0.00	0.00
20.00		405.94	870.28	0.00	0.00
25.00		397.34	853.02	0.00	0.00
30.00		389.06	835.76	0.00	0.00
35.00		397.58	818.50	0.00	0.00
40.00		403.70	801.24	0.00	0.00
45.00		407.84	783.98	0.00	0.00
50.00		416.92	1363.81	0.00	0.00
55.00		418.19	645.44	0.00	0.00
60.00		418.22	631.06	0.00	0.00
65.00		417.15	616.67	0.00	0.00
70.00		415.11	602.29	0.00	0.00
75.00		412.18	587.90	0.00	0.00
80.00		408.46	573.52	0.00	0.00
85.00		404.00	559.14	0.00	0.00
90.00		398.86	544.75	0.00	0.00
95.00		393.10	344.45	0.00	0.00
100.00		386.76	335.82	0.00	0.00
105.00		379.87	327.19	0.00	0.00
107.00	(11) attachments	3301.81	2251.60	0.00	0.00
110.00		221.99	187.40	0.00	0.00
115.00		364.59	305.43	0.00	0.00
117.00	(12) attachments	2915.89	2096.98	0.00	828.06
120.00		212.22	177.04	0.00	0.00
125.00		347.49	278.81	0.00	0.00
127.00	(16) attachments	5094.34	2963.73	0.00	0.00
130.00		201.42	131.75	0.00	0.00
	Totals:	**21,199.50**	**23,164.36**	**0.00**	**828.06**

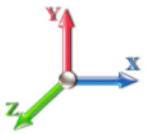
Calculated Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-23.13	-21.23	0.00	-2016.5	0.00	2016.50	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.533
5.00	-22.19	-20.87	0.00	-1910.3	0.00	1910.32	3851.93	1925.96	7386.73	3698.85	0.09	-0.172	0.000	0.522
10.00	-21.22	-20.51	0.00	-1805.9	0.00	1805.99	3799.43	1899.71	7137.04	3573.82	0.37	-0.345	0.000	0.511
15.00	-20.27	-20.15	0.00	-1703.4	0.00	1703.46	3745.86	1872.93	6889.51	3449.88	0.82	-0.518	0.000	0.499
20.00	-19.35	-19.79	0.00	-1602.7	0.00	1602.74	3691.24	1845.62	6644.27	3327.07	1.46	-0.692	0.000	0.487
25.00	-18.44	-19.44	0.00	-1503.7	0.00	1503.79	3635.55	1817.78	6401.45	3205.48	2.28	-0.867	0.000	0.474
30.00	-17.56	-19.09	0.00	-1406.6	0.00	1406.61	3578.80	1789.40	6161.16	3085.16	3.28	-1.041	0.000	0.461
35.00	-16.69	-18.72	0.00	-1311.1	0.00	1311.17	3520.99	1760.49	5923.54	2966.17	4.46	-1.216	0.000	0.447
40.00	-15.84	-18.35	0.00	-1217.5	0.00	1217.55	3462.11	1731.06	5688.70	2848.58	5.83	-1.389	0.000	0.432
45.00	-15.01	-17.97	0.00	-1125.8	0.00	1125.80	3402.17	1701.09	5456.79	2732.45	7.38	-1.562	0.000	0.417
50.00	-13.61	-17.55	0.00	-1035.9	0.00	1035.97	2672.34	1336.17	4264.27	2135.31	9.10	-1.733	0.000	0.490
55.00	-12.92	-17.15	0.00	-948.21	0.00	948.21	2628.44	1314.22	4091.13	2048.60	11.01	-1.902	0.000	0.468
60.00	-12.25	-16.75	0.00	-862.44	0.00	862.44	2583.48	1291.74	3919.82	1962.82	13.10	-2.091	0.000	0.444
65.00	-11.60	-16.35	0.00	-778.67	0.00	778.67	2537.45	1268.73	3750.46	1878.02	15.39	-2.275	0.000	0.419
70.00	-10.97	-15.95	0.00	-696.91	0.00	696.91	2490.36	1245.18	3583.19	1794.26	17.87	-2.455	0.000	0.393
75.00	-10.35	-15.54	0.00	-617.19	0.00	617.19	2442.21	1221.10	3418.12	1711.60	20.53	-2.628	0.000	0.365
80.00	-9.76	-15.13	0.00	-539.50	0.00	539.50	2392.99	1196.50	3255.39	1630.11	23.38	-2.793	0.000	0.335
85.00	-9.18	-14.72	0.00	-463.85	0.00	463.85	2342.71	1171.36	3095.11	1549.86	26.39	-2.950	0.000	0.303
90.00	-8.62	-14.32	0.00	-390.24	0.00	390.24	2291.37	1145.69	2937.41	1470.89	29.55	-3.095	0.000	0.269
90.00	-8.62	-14.32	0.00	-390.24	0.00	390.24	1145.45	572.73	1480.17	741.18	29.55	-3.095	0.000	0.535
95.00	-8.26	-13.93	0.00	-318.65	0.00	318.65	1127.97	563.98	1413.34	707.72	32.87	-3.226	0.000	0.458
100.00	-7.91	-13.55	0.00	-249.01	0.00	249.01	1109.42	554.71	1346.59	674.30	36.35	-3.417	0.000	0.377
105.00	-7.58	-13.16	0.00	-181.27	0.00	181.27	1089.82	544.91	1280.05	640.97	40.02	-3.575	0.000	0.290
107.00	-5.53	-9.73	0.00	-154.95	0.00	154.95	1081.68	540.84	1253.52	627.69	41.53	-3.630	0.000	0.252
110.00	-5.34	-9.51	0.00	-125.75	0.00	125.75	1069.15	534.57	1213.84	607.82	43.83	-3.701	0.000	0.212
115.00	-5.05	-9.13	0.00	-78.23	0.00	78.23	1047.42	523.71	1148.08	574.89	47.76	-3.793	0.000	0.141
117.00	-3.15	-6.08	0.00	-59.14	0.00	59.14	1038.42	519.21	1121.94	561.80	49.35	-3.821	0.000	0.108
120.00	-2.99	-5.86	0.00	-40.91	0.00	40.91	1024.62	512.31	1082.91	542.26	51.76	-3.852	0.000	0.078
125.00	-2.73	-5.49	0.00	-11.62	0.00	11.62	1000.76	500.38	1018.44	509.98	55.81	-3.881	0.000	0.026
127.00	-0.12	-0.21	0.00	-0.63	0.00	0.63	990.92	495.46	992.88	497.18	57.44	-3.884	0.000	0.001
130.00	0.00	-0.20	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11	59.88	-3.885	0.000	0.000

Wind Loading - Shaft

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.242	5.00	21.143	25.37	118.8	375.8	1521.5
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.331	5.00	20.817	24.98	116.9	395.6	1518.3
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.386	5.00	20.462	24.55	115.0	404.2	1503.9
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.427	5.00	20.095	24.11	112.9	407.9	1484.6
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.459	5.00	19.721	23.67	110.8	408.7	1462.4
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.486	5.00	19.343	23.21	108.8	407.6	1438.3
35.00		1.00	0.73	4.451	4.90	0.00	1.200	1.509	5.00	18.961	22.75	111.4	405.2	1412.9
40.00		1.00	0.76	4.625	5.09	0.00	1.200	1.529	5.00	18.577	22.29	113.4	401.8	1386.5
45.00	Bot - Section 2	1.00	0.79	4.783	5.26	0.00	1.200	1.547	5.00	18.192	21.83	114.8	397.5	1359.2
50.00	Top - Section 1	1.00	0.81	4.929	5.42	0.00	1.200	1.564	5.00	18.069	21.68	117.6	398.7	2133.5
55.00		1.00	0.83	5.065	5.57	0.00	1.200	1.579	5.00	17.681	21.22	118.2	393.3	1170.3
60.00		1.00	0.85	5.193	5.71	0.00	1.200	1.592	5.00	17.292	20.75	118.5	387.5	1145.2
65.00		1.00	0.87	5.313	5.84	0.00	1.200	1.605	5.00	16.902	20.28	118.5	381.2	1119.8
70.00		1.00	0.89	5.426	5.97	0.00	1.200	1.617	5.00	16.511	19.81	118.3	374.5	1093.9
75.00		1.00	0.91	5.534	6.09	0.00	1.200	1.628	5.00	16.119	19.34	117.8	367.6	1067.8
80.00		1.00	0.93	5.637	6.20	0.00	1.200	1.639	5.00	15.728	18.87	117.0	360.3	1041.4
85.00		1.00	0.94	5.736	6.31	0.00	1.200	1.649	5.00	15.335	18.40	116.1	352.8	1014.7
90.00	Top - Section 2	1.00	0.96	5.830	6.41	0.00	1.200	1.658	5.00	14.942	17.93	115.0	345.1	987.8
95.00		1.00	0.97	5.921	6.51	0.00	1.200	1.667	5.00	14.549	17.46	113.7	337.2	712.8
100.00		1.00	0.99	6.008	6.61	0.00	1.200	1.676	5.00	14.155	16.99	112.3	329.1	693.2
105.00		1.00	1.00	6.093	6.70	0.00	1.200	1.684	5.00	13.762	16.51	110.7	320.8	673.4
107.00	Appurtenance(s)	1.00	1.01	6.126	6.74	0.00	1.200	1.687	2.00	5.394	6.47	43.6	127.0	264.8
110.00		1.00	1.02	6.174	6.79	0.00	1.200	1.692	3.00	7.972	9.57	65.0	187.4	390.7
115.00		1.00	1.03	6.253	6.88	0.00	1.200	1.699	5.00	12.973	15.57	107.1	303.7	633.3
117.00	Appurtenance(s)	1.00	1.03	6.284	6.91	0.00	1.200	1.702	2.00	5.078	6.09	42.1	120.1	248.7
120.00		1.00	1.04	6.330	6.96	0.00	1.200	1.707	3.00	7.499	9.00	62.7	177.0	366.4
125.00		1.00	1.05	6.404	7.04	0.00	1.200	1.714	5.00	12.183	14.62	103.0	286.0	592.6
127.00	Appurtenance(s)	1.00	1.06	6.433	7.08	0.00	1.200	1.716	2.00	4.762	5.71	40.4	113.0	232.4
130.00		1.00	1.07	6.476	7.12	0.00	1.200	1.720	3.00	7.025	8.43	60.1	166.2	341.9
								Totals:	**130.00**			**2,940.3**		**29,012.3**

Discrete Appurtenance Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

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	127.00	Ericsson 4449 B71 + B85	3	6.433	7.076	0.50	0.75	3.81	509.52	0.000	0.000	26.98	0.00	0.00
2	127.00	Ericsson KRY 112 144/1	3	6.433	7.076	0.45	0.75	1.01	62.11	0.000	0.000	7.15	0.00	0.00
3	127.00	RFS	3	6.433	7.076	0.54	0.75	35.81	1701.41	0.000	0.000	253.44	0.00	0.00
4	127.00	Ericsson Air 21 B4A/B2P	3	6.433	7.076	0.64	0.75	13.60	816.38	0.000	0.000	96.22	0.00	0.00
5	127.00	Ericsson Air 21 B2A/B4P	3	6.433	7.076	0.64	0.75	13.60	820.70	0.000	0.000	96.22	0.00	0.00
6	127.00	Platform w/ Hand Rails	1	6.433	7.076	1.00	1.00	60.60	3859.69	0.000	0.000	428.81	0.00	0.00
7	117.00	Raycap	2	6.284	6.913	1.00	1.00	9.59	531.99	0.000	0.000	66.26	0.00	0.00
8	117.00	Support Rail Kit	1	6.322	6.954	1.00	1.00	13.19	878.76	0.000	2.500	91.69	0.00	229.23
9	117.00	Low Profile Platform	1	6.284	6.913	1.00	1.00	44.58	2776.79	0.000	0.000	308.14	0.00	0.00
10	117.00	Samsung B2/B66A	2	6.284	6.913	1.00	1.00	4.86	351.03	0.000	0.000	33.57	0.00	0.00
11	117.00	Samsung MT6407-77A	2	6.284	6.913	1.00	1.00	11.26	394.71	0.000	0.000	77.82	0.00	0.00
12	117.00	Commscope	2	6.284	6.913	1.00	1.00	5.27	73.45	0.000	0.000	36.42	0.00	0.00
13	117.00	CBC1923Q-43	2	6.284	6.913	1.00	1.00	1.18	51.51	0.000	0.000	8.13	0.00	0.00
14	107.00	RDIDC-9181-PF-48	1	6.126	6.738	1.00	1.00	2.56	99.43	0.000	0.000	17.25	0.00	0.00
15	107.00	TA08025-B604	3	6.126	6.738	0.50	0.75	3.77	340.58	0.000	0.000	25.42	0.00	0.00
16	107.00	TA08025-B605	3	6.126	6.738	0.50	0.75	3.77	383.90	0.000	0.000	25.42	0.00	0.00
17	107.00	MC-PK8-DSH	1	6.126	6.738	1.00	1.00	83.25	3331.17	0.000	0.000	561.00	0.00	0.00
18	107.00	MX08FRO665-21	3	6.126	6.738	0.55	0.75	23.15	874.23	0.000	0.000	156.02	0.00	0.00
							Totals:		**17,857.35**			**2,315.94**		

Total Applied Force Summary

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

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		118.78	1554.99	0.00	0.00
10.00		116.95	1601.96	0.00	0.00
15.00		114.95	1587.56	0.00	0.00
20.00		112.89	1568.23	0.00	0.00
25.00		110.79	1546.05	0.00	0.00
30.00		108.76	1521.98	0.00	0.00
35.00		111.41	1496.56	0.00	0.00
40.00		113.40	1470.10	0.00	0.00
45.00		114.85	1442.84	0.00	0.00
50.00		117.56	2217.17	0.00	0.00
55.00		118.21	1253.93	0.00	0.00
60.00		118.52	1228.88	0.00	0.00
65.00		118.53	1203.41	0.00	0.00
70.00		118.26	1177.59	0.00	0.00
75.00		117.76	1151.45	0.00	0.00
80.00		117.03	1125.03	0.00	0.00
85.00		116.11	1098.36	0.00	0.00
90.00		115.00	1071.45	0.00	0.00
95.00		113.71	796.46	0.00	0.00
100.00		112.27	776.82	0.00	0.00
105.00		110.68	757.02	0.00	0.00
107.00	(11) attachments	828.71	5327.55	0.00	0.00
110.00		64.98	437.25	0.00	0.00
115.00		107.08	710.92	0.00	0.00
117.00	(12) attachments	664.15	5337.99	0.00	229.23
120.00		62.66	413.01	0.00	0.00
125.00		102.99	657.78	0.00	0.00
127.00	(16) attachments	949.25	8028.25	0.00	0.00
130.00		60.05	341.87	0.00	0.00
	Totals:	**5,256.29**	**48,902.46**	**0.00**	**229.23**

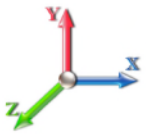
Calculated Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 21

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	-48.90	-5.27	0.00	-496.04	0.00	496.04	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.142
5.00	-47.34	-5.19	0.00	-469.67	0.00	469.67	3851.93	1925.96	7386.73	3698.85	0.02	-0.042	0.000	0.139
10.00	-45.74	-5.10	0.00	-443.73	0.00	443.73	3799.43	1899.71	7137.04	3573.82	0.09	-0.085	0.000	0.136
15.00	-44.14	-5.02	0.00	-418.20	0.00	418.20	3745.86	1872.93	6889.51	3449.88	0.20	-0.127	0.000	0.133
20.00	-42.57	-4.93	0.00	-393.11	0.00	393.11	3691.24	1845.62	6644.27	3327.07	0.36	-0.170	0.000	0.130
25.00	-41.02	-4.85	0.00	-368.43	0.00	368.43	3635.55	1817.78	6401.45	3205.48	0.56	-0.213	0.000	0.126
30.00	-39.50	-4.76	0.00	-344.19	0.00	344.19	3578.80	1789.40	6161.16	3085.16	0.81	-0.256	0.000	0.123
35.00	-38.00	-4.67	0.00	-320.37	0.00	320.37	3520.99	1760.49	5923.54	2966.17	1.10	-0.298	0.000	0.119
40.00	-36.53	-4.58	0.00	-297.01	0.00	297.01	3462.11	1731.06	5688.70	2848.58	1.43	-0.341	0.000	0.115
45.00	-35.08	-4.48	0.00	-274.11	0.00	274.11	3402.17	1701.09	5456.79	2732.45	1.81	-0.383	0.000	0.111
50.00	-32.86	-4.37	0.00	-251.71	0.00	251.71	2672.34	1336.17	4264.27	2135.31	2.23	-0.424	0.000	0.130
55.00	-31.61	-4.27	0.00	-229.86	0.00	229.86	2628.44	1314.22	4091.13	2048.60	2.70	-0.465	0.000	0.124
60.00	-30.37	-4.16	0.00	-208.53	0.00	208.53	2583.48	1291.74	3919.82	1962.82	3.21	-0.511	0.000	0.118
65.00	-29.17	-4.05	0.00	-187.72	0.00	187.72	2537.45	1268.73	3750.46	1878.02	3.77	-0.556	0.000	0.111
70.00	-27.99	-3.95	0.00	-167.45	0.00	167.45	2490.36	1245.18	3583.19	1794.26	4.38	-0.599	0.000	0.105
75.00	-26.84	-3.83	0.00	-147.72	0.00	147.72	2442.21	1221.10	3418.12	1711.60	5.03	-0.640	0.000	0.097
80.00	-25.71	-3.72	0.00	-128.55	0.00	128.55	2392.99	1196.50	3255.39	1630.11	5.72	-0.680	0.000	0.090
85.00	-24.61	-3.61	0.00	-109.95	0.00	109.95	2342.71	1171.36	3095.11	1549.86	6.45	-0.717	0.000	0.081
90.00	-23.54	-3.49	0.00	-91.92	0.00	91.92	2291.37	1145.69	2937.41	1470.89	7.22	-0.751	0.000	0.073
90.00	-23.54	-3.49	0.00	-91.92	0.00	91.92	1145.45	572.73	1480.17	741.18	7.22	-0.751	0.000	0.145
95.00	-22.74	-3.38	0.00	-74.46	0.00	74.46	1127.97	563.98	1413.34	707.72	8.02	-0.782	0.000	0.125
100.00	-21.97	-3.27	0.00	-57.55	0.00	57.55	1109.42	554.71	1346.59	674.30	8.87	-0.826	0.000	0.105
105.00	-21.21	-3.16	0.00	-41.17	0.00	41.17	1089.82	544.91	1280.05	640.97	9.75	-0.863	0.000	0.084
107.00	-15.89	-2.26	0.00	-34.85	0.00	34.85	1081.68	540.84	1253.52	627.69	10.12	-0.875	0.000	0.070
110.00	-15.46	-2.19	0.00	-28.08	0.00	28.08	1069.15	534.57	1213.84	607.82	10.67	-0.891	0.000	0.061
115.00	-14.75	-2.07	0.00	-17.13	0.00	17.13	1047.42	523.71	1148.08	574.89	11.62	-0.912	0.000	0.044
117.00	-9.42	-1.33	0.00	-12.76	0.00	12.76	1038.42	519.21	1121.94	561.80	12.00	-0.918	0.000	0.032
120.00	-9.01	-1.26	0.00	-8.78	0.00	8.78	1024.62	512.31	1082.91	542.26	12.58	-0.924	0.000	0.025
125.00	-8.35	-1.15	0.00	-2.49	0.00	2.49	1000.76	500.38	1018.44	509.98	13.55	-0.931	0.000	0.013
127.00	-0.34	-0.07	0.00	-0.20	0.00	0.20	990.92	495.46	992.88	497.18	13.94	-0.931	0.000	0.001
130.00	0.00	-0.06	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11	14.53	-0.931	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 19

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.17		**Ss**	0.16
Dead Load Factor	1.20	**Seismic Load Factor**		1.00	**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**		0.41	**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		954.82	0.00	0.04	0.02	15.05	
10.00		935.64	0.01	0.06	0.03	21.21	
15.00		916.46	0.03	0.07	0.04	23.73	
20.00		897.28	0.04	0.07	0.04	24.69	
25.00		878.10	0.07	0.07	0.04	25.06	
30.00		858.92	0.10	0.07	0.04	25.26	
35.00		839.74	0.14	0.07	0.03	25.37	
40.00		820.57	0.18	0.07	0.03	25.20	
45.00	Bot - Section 2	801.39	0.23	0.06	0.02	24.39	
50.00	Top - Section 1	1445.6	0.28	0.05	0.01	41.49	
55.00		647.46	0.34	0.04	0.01	16.01	
60.00		631.48	0.40	0.02	0.01	11.29	
65.00		615.49	0.47	-0.01	0.01	5.05	
70.00		599.51	0.55	-0.03	0.01	-1.94	
75.00		583.53	0.63	-0.06	0.02	-8.31	
80.00		567.55	0.72	-0.09	0.03	-12.71	
85.00		551.56	0.81	-0.11	0.06	-14.25	
90.00	Top - Section 2	535.58	0.91	-0.12	0.09	-12.63	
95.00		313.02	1.01	-0.11	0.14	-4.79	
100.00		303.43	1.12	-0.06	0.20	-0.28	
105.00		293.84	1.23	0.04	0.28	5.75	
107.00	Appurtenance(s)	2473.9	1.28	0.09	0.32	72.90	
110.00		169.40	1.35	0.20	0.39	7.83	
115.00		274.67	1.48	0.45	0.52	21.71	
117.00	Appurtenance(s)	2304.1	1.53	0.58	0.58	216.53	
120.00		157.89	1.61	0.81	0.68	18.67	
125.00		255.49	1.75	1.31	0.89	41.89	
127.00	Appurtenance(s)	3271.3	1.80	1.56	0.98	602.19	
130.00		146.39	1.89	1.98	1.14	31.66	
	Totals:	**24,044.2**				**1,248.0**	**Total Wind:** **21,199.5**

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

Calculated Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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:	1.2D + 1.0E							**Iterations**	20
Gust Response Factor	1.10			**Sds**	0.17			**Ss**	0.16
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.41	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-30.89	-1.31	0.00	-139.39	0.00	139.39	3903.36	1951.68	7638.46	3824.91		0.00	0.00	0.044
5.00	-29.71	-1.30	0.00	-132.86	0.00	132.86	3851.93	1925.96	7386.73	3698.85		0.01	-0.01	0.044
10.00	-28.50	-1.28	0.00	-126.38	0.00	126.38	3799.43	1899.71	7137.04	3573.82		0.03	-0.02	0.043
15.00	-27.32	-1.26	0.00	-119.97	0.00	119.97	3745.86	1872.93	6889.51	3449.88		0.06	-0.04	0.042
20.00	-26.16	-1.24	0.00	-113.66	0.00	113.66	3691.24	1845.62	6644.27	3327.07		0.10	-0.05	0.041
25.00	-25.02	-1.22	0.00	-107.45	0.00	107.45	3635.55	1817.78	6401.45	3205.48		0.16	-0.06	0.040
30.00	-23.90	-1.20	0.00	-101.34	0.00	101.34	3578.80	1789.40	6161.16	3085.16		0.23	-0.07	0.040
35.00	-22.81	-1.18	0.00	-95.34	0.00	95.34	3520.99	1760.49	5923.54	2966.17		0.31	-0.09	0.039
40.00	-21.74	-1.16	0.00	-89.45	0.00	89.45	3462.11	1731.06	5688.70	2848.58		0.41	-0.10	0.038
45.00	-20.70	-1.13	0.00	-83.66	0.00	83.66	3402.17	1701.09	5456.79	2732.45		0.52	-0.11	0.037
50.00	-18.88	-1.09	0.00	-77.99	0.00	77.99	2672.34	1336.17	4264.27	2135.31		0.64	-0.12	0.044
55.00	-18.02	-1.08	0.00	-72.52	0.00	72.52	2628.44	1314.22	4091.13	2048.60		0.78	-0.14	0.042
60.00	-17.18	-1.07	0.00	-67.12	0.00	67.12	2583.48	1291.74	3919.82	1962.82		0.93	-0.15	0.041
65.00	-16.35	-1.07	0.00	-61.76	0.00	61.76	2537.45	1268.73	3750.46	1878.02		1.10	-0.17	0.039
70.00	-15.55	-1.07	0.00	-56.42	0.00	56.42	2490.36	1245.18	3583.19	1794.26		1.28	-0.18	0.038
75.00	-14.77	-1.07	0.00	-51.08	0.00	51.08	2442.21	1221.10	3418.12	1711.60		1.48	-0.19	0.036
80.00	-14.00	-1.07	0.00	-45.73	0.00	45.73	2392.99	1196.50	3255.39	1630.11		1.69	-0.21	0.034
85.00	-13.26	-1.07	0.00	-40.37	0.00	40.37	2342.71	1171.36	3095.11	1549.86		1.91	-0.22	0.032
90.00	-12.53	-1.07	0.00	-35.01	0.00	35.01	2291.37	1145.69	2937.41	1470.89		2.15	-0.23	0.029
90.00	-12.53	-1.07	0.00	-35.01	0.00	35.01	1145.45	572.73	1480.17	741.18		2.15	-0.23	0.058
95.00	-12.07	-1.07	0.00	-29.66	0.00	29.66	1127.97	563.98	1413.34	707.72		2.41	-0.25	0.053
100.00	-11.62	-1.07	0.00	-24.29	0.00	24.29	1109.42	554.71	1346.59	674.30		2.67	-0.26	0.047
105.00	-11.19	-1.07	0.00	-18.92	0.00	18.92	1089.82	544.91	1280.05	640.97		2.96	-0.28	0.040
107.00	-8.18	-0.98	0.00	-16.79	0.00	16.79	1081.68	540.84	1253.52	627.69		3.08	-0.29	0.034
110.00	-7.93	-0.97	0.00	-13.84	0.00	13.84	1069.15	534.57	1213.84	607.82		3.26	-0.29	0.030
115.00	-7.53	-0.95	0.00	-8.97	0.00	8.97	1047.42	523.71	1148.08	574.89		3.58	-0.30	0.023
117.00	-4.73	-0.72	0.00	-7.07	0.00	7.07	1038.42	519.21	1121.94	561.80		3.70	-0.31	0.017
120.00	-4.50	-0.70	0.00	-4.91	0.00	4.91	1024.62	512.31	1082.91	542.26		3.90	-0.31	0.013
125.00	-4.12	-0.66	0.00	-1.41	0.00	1.41	1000.76	500.38	1018.44	509.98		4.23	-0.32	0.007
127.00	-0.18	-0.03	0.00	-0.10	0.00	0.10	990.92	495.46	992.88	497.18		4.36	-0.32	0.000
130.00	0.00	-0.03	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11		4.56	-0.32	0.000

Seismic Segment Forces (Factored)

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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 + 1.0E							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.17		**Ss**	0.16
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.41		**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		954.82	0.00	0.04	0.02	15.05	
10.00		935.64	0.01	0.06	0.03	21.21	
15.00		916.46	0.03	0.07	0.04	23.73	
20.00		897.28	0.04	0.07	0.04	24.69	
25.00		878.10	0.07	0.07	0.04	25.06	
30.00		858.92	0.10	0.07	0.04	25.26	
35.00		839.74	0.14	0.07	0.03	25.37	
40.00		820.57	0.18	0.07	0.03	25.20	
45.00	Bot - Section 2	801.39	0.23	0.06	0.02	24.39	
50.00	Top - Section 1	1445.6	0.28	0.05	0.01	41.49	
55.00		647.46	0.34	0.04	0.01	16.01	
60.00		631.48	0.40	0.02	0.01	11.29	
65.00		615.49	0.47	-0.01	0.01	5.05	
70.00		599.51	0.55	-0.03	0.01	-1.94	
75.00		583.53	0.63	-0.06	0.02	-8.31	
80.00		567.55	0.72	-0.09	0.03	-12.71	
85.00		551.56	0.81	-0.11	0.06	-14.25	
90.00	Top - Section 2	535.58	0.91	-0.12	0.09	-12.63	
95.00		313.02	1.01	-0.11	0.14	-4.79	
100.00		303.43	1.12	-0.06	0.20	-0.28	
105.00		293.84	1.23	0.04	0.28	5.75	
107.00	Appurtenance(s)	2473.9	1.28	0.09	0.32	72.90	
110.00		169.40	1.35	0.20	0.39	7.83	
115.00		274.67	1.48	0.45	0.52	21.71	
117.00	Appurtenance(s)	2304.1	1.53	0.58	0.58	216.53	
120.00		157.89	1.61	0.81	0.68	18.67	
125.00		255.49	1.75	1.31	0.89	41.89	
127.00	Appurtenance(s)	3271.3	1.80	1.56	0.98	602.19	
130.00		146.39	1.89	1.98	1.14	31.66	
	Totals:	**24,044.2**				**1,248.0**	**Total Wind:** **21,199.5**

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

Calculated Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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:	0.9D + 1.0E							**Iterations**	20
Gust Response Factor	1.10			**Sds**	0.17			**Ss**	0.16
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.41	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-23.16	-1.30	0.00	-138.15	0.00	138.15	3903.36	1951.68	7638.46	3824.91		0.00	0.00	0.042
5.00	-22.28	-1.29	0.00	-131.62	0.00	131.62	3851.93	1925.96	7386.73	3698.85		0.01	-0.01	0.041
10.00	-21.37	-1.28	0.00	-125.15	0.00	125.15	3799.43	1899.71	7137.04	3573.82		0.03	-0.02	0.041
15.00	-20.49	-1.26	0.00	-118.77	0.00	118.77	3745.86	1872.93	6889.51	3449.88		0.06	-0.04	0.040
20.00	-19.62	-1.24	0.00	-112.48	0.00	112.48	3691.24	1845.62	6644.27	3327.07		0.10	-0.05	0.039
25.00	-18.76	-1.21	0.00	-106.30	0.00	106.30	3635.55	1817.78	6401.45	3205.48		0.16	-0.06	0.038
30.00	-17.93	-1.19	0.00	-100.23	0.00	100.23	3578.80	1789.40	6161.16	3085.16		0.23	-0.07	0.037
35.00	-17.11	-1.17	0.00	-94.27	0.00	94.27	3520.99	1760.49	5923.54	2966.17		0.31	-0.09	0.037
40.00	-16.31	-1.15	0.00	-88.42	0.00	88.42	3462.11	1731.06	5688.70	2848.58		0.41	-0.10	0.036
45.00	-15.52	-1.12	0.00	-82.69	0.00	82.69	3402.17	1701.09	5456.79	2732.45		0.51	-0.11	0.035
50.00	-14.16	-1.08	0.00	-77.07	0.00	77.07	2672.34	1336.17	4264.27	2135.31		0.64	-0.12	0.041
55.00	-13.51	-1.07	0.00	-71.66	0.00	71.66	2628.44	1314.22	4091.13	2048.60		0.77	-0.14	0.040
60.00	-12.88	-1.06	0.00	-66.32	0.00	66.32	2583.48	1291.74	3919.82	1962.82		0.92	-0.15	0.039
65.00	-12.26	-1.06	0.00	-61.02	0.00	61.02	2537.45	1268.73	3750.46	1878.02		1.09	-0.16	0.037
70.00	-11.66	-1.06	0.00	-55.75	0.00	55.75	2490.36	1245.18	3583.19	1794.26		1.27	-0.18	0.036
75.00	-11.07	-1.06	0.00	-50.47	0.00	50.47	2442.21	1221.10	3418.12	1711.60		1.46	-0.19	0.034
80.00	-10.50	-1.06	0.00	-45.18	0.00	45.18	2392.99	1196.50	3255.39	1630.11		1.67	-0.21	0.032
85.00	-9.94	-1.06	0.00	-39.89	0.00	39.89	2342.71	1171.36	3095.11	1549.86		1.89	-0.22	0.030
90.00	-9.40	-1.06	0.00	-34.60	0.00	34.60	2291.37	1145.69	2937.41	1470.89		2.13	-0.23	0.028
90.00	-9.40	-1.06	0.00	-34.60	0.00	34.60	1145.45	572.73	1480.17	741.18		2.13	-0.23	0.055
95.00	-9.05	-1.06	0.00	-29.32	0.00	29.32	1127.97	563.98	1413.34	707.72		2.38	-0.24	0.049
100.00	-8.72	-1.06	0.00	-24.02	0.00	24.02	1109.42	554.71	1346.59	674.30		2.65	-0.26	0.043
105.00	-8.39	-1.05	0.00	-18.72	0.00	18.72	1089.82	544.91	1280.05	640.97		2.93	-0.28	0.037
107.00	-6.14	-0.97	0.00	-16.62	0.00	16.62	1081.68	540.84	1253.52	627.69		3.05	-0.28	0.032
110.00	-5.95	-0.96	0.00	-13.70	0.00	13.70	1069.15	534.57	1213.84	607.82		3.23	-0.29	0.028
115.00	-5.64	-0.94	0.00	-8.89	0.00	8.89	1047.42	523.71	1148.08	574.89		3.54	-0.30	0.021
117.00	-3.55	-0.71	0.00	-7.01	0.00	7.01	1038.42	519.21	1121.94	561.80		3.66	-0.30	0.016
120.00	-3.37	-0.69	0.00	-4.87	0.00	4.87	1024.62	512.31	1082.91	542.26		3.86	-0.31	0.012
125.00	-3.09	-0.65	0.00	-1.40	0.00	1.40	1000.76	500.38	1018.44	509.98		4.18	-0.31	0.006
127.00	-0.13	-0.03	0.00	-0.10	0.00	0.10	990.92	495.46	992.88	497.18		4.31	-0.31	0.000
130.00	0.00	-0.03	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11		4.51	-0.31	0.000

Wind Loading - Shaft

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	203.90	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	199.87	0.650	0.000	5.00	20.108	13.07	88.1	0.0	954.8
10.00		1.00	0.70	6.129	6.74	195.85	0.650	0.000	5.00	19.707	12.81	86.4	0.0	935.6
15.00		1.00	0.70	6.129	6.74	191.83	0.650	0.000	5.00	19.307	12.55	84.6	0.0	916.5
20.00		1.00	0.70	6.129	6.74	187.80	0.650	0.000	5.00	18.906	12.29	82.8	0.0	897.3
25.00		1.00	0.70	6.129	6.74	183.78	0.650	0.000	5.00	18.505	12.03	81.1	0.0	878.1
30.00		1.00	0.70	6.134	6.75	179.83	0.650	0.000	5.00	18.105	11.77	79.4	0.0	858.9
35.00		1.00	0.73	6.410	7.05	179.72	0.650	0.000	5.00	17.704	11.51	81.1	0.0	839.7
40.00		1.00	0.76	6.659	7.33	178.99	0.650	0.000	5.00	17.303	11.25	82.4	0.0	820.6
45.00	Bot - Section 2	1.00	0.79	6.887	7.58	177.76	0.650	0.000	5.00	16.902	10.99	83.2	0.0	801.4
50.00	Top - Section 1	1.00	0.81	7.098	7.81	176.13	0.650	0.000	5.00	16.766	10.90	85.1	0.0	1445.6
55.00		1.00	0.83	7.294	8.02	177.05	0.650	0.000	5.00	16.365	10.64	85.3	0.0	647.5
60.00		1.00	0.85	7.477	8.22	174.82	0.650	0.000	5.00	15.965	10.38	85.4	0.0	631.5
65.00		1.00	0.87	7.650	8.42	172.34	0.650	0.000	5.00	15.564	10.12	85.1	0.0	615.5
70.00		1.00	0.89	7.814	8.60	169.63	0.650	0.000	5.00	15.163	9.86	84.7	0.0	599.5
75.00		1.00	0.91	7.969	8.77	166.72	0.650	0.000	5.00	14.763	9.60	84.1	0.0	583.5
80.00		1.00	0.93	8.118	8.93	163.63	0.650	0.000	5.00	14.362	9.34	83.4	0.0	567.5
85.00		1.00	0.94	8.260	9.09	160.39	0.650	0.000	5.00	13.961	9.07	82.4	0.0	551.6
90.00	Top - Section 2	1.00	0.96	8.396	9.24	156.99	0.650	0.000	5.00	13.560	8.81	81.4	0.0	535.6
95.00		1.00	0.97	8.526	9.38	153.47	0.650	0.000	5.00	13.160	8.55	80.2	0.0	313.0
100.00		1.00	0.99	8.652	9.52	149.81	0.650	0.000	5.00	12.759	8.29	78.9	0.0	303.4
105.00		1.00	1.00	8.774	9.65	146.05	0.650	0.000	5.00	12.358	8.03	77.5	0.0	293.8
107.00	Appurtenance(s)	1.00	1.01	8.821	9.70	144.51	0.650	0.000	2.00	4.831	3.14	30.5	0.0	114.9
110.00		1.00	1.02	8.891	9.78	142.18	0.650	0.000	3.00	7.126	4.63	45.3	0.0	169.4
115.00		1.00	1.03	9.005	9.91	138.20	0.650	0.000	5.00	11.557	7.51	74.4	0.0	274.7
117.00	Appurtenance(s)	1.00	1.03	9.049	9.95	136.59	0.650	0.000	2.00	4.511	2.93	29.2	0.0	107.2
120.00		1.00	1.04	9.115	10.03	134.14	0.650	0.000	3.00	6.646	4.32	43.3	0.0	157.9
125.00		1.00	1.05	9.222	10.14	129.99	0.650	0.000	5.00	10.755	6.99	70.9	0.0	255.5
127.00	Appurtenance(s)	1.00	1.06	9.264	10.19	128.31	0.650	0.000	2.00	4.190	2.72	27.8	0.0	99.5
130.00		1.00	1.07	9.326	10.26	125.76	0.650	0.000	3.00	6.165	4.01	41.1	0.0	146.4
								Totals:	**130.00**			**2,105.3**		**16,316.4**

Discrete Appurtenance Forces

Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (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: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 21

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	127.00	Ericsson 4449 B71 + B85	3	9.264	10.190	0.50	0.75	2.94	225.00	0.000	0.000	29.95	0.00	0.00
2	127.00	Ericsson KRY 112 144/1	3	9.264	10.190	0.45	0.75	0.47	33.00	0.000	0.000	4.81	0.00	0.00
3	127.00	RFS	3	9.264	10.190	0.54	0.75	32.79	368.40	0.000	0.000	334.12	0.00	0.00
4	127.00	Ericsson Air 21 B4A/B2P	3	9.264	10.190	0.64	0.75	11.55	270.90	0.000	0.000	117.71	0.00	0.00
5	127.00	Ericsson Air 21 B2A/B4P	3	9.264	10.190	0.64	0.75	11.55	274.50	0.000	0.000	117.71	0.00	0.00
6	127.00	Platform w/ Hand Rails	1	9.264	10.190	1.00	1.00	40.00	2000.00	0.000	0.000	407.60	0.00	0.00
7	117.00	Raycap	2	9.049	9.954	1.00	1.00	8.12	64.00	0.000	0.000	80.83	0.00	0.00
8	117.00	Support Rail Kit	1	9.104	10.014	1.00	1.00	6.75	261.72	0.000	2.500	67.60	0.00	168.99
9	117.00	Low Profile Platform	1	9.049	9.954	1.00	1.00	25.00	1500.00	0.000	0.000	248.85	0.00	0.00
10	117.00	Samsung B2/B66A	2	9.049	9.954	1.00	1.00	3.76	168.80	0.000	0.000	37.43	0.00	0.00
11	117.00	Samsung MT6407-77A	2	9.049	9.954	1.00	1.00	9.38	174.20	0.000	0.000	93.37	0.00	0.00
12	117.00	Commscope	2	9.049	9.954	1.00	1.00	3.16	12.40	0.000	0.000	31.45	0.00	0.00
13	117.00	CBC1923Q-43	2	9.049	9.954	1.00	1.00	0.64	15.80	0.000	0.000	6.37	0.00	0.00
14	107.00	RDIDC-9181-PF-48	1	8.821	9.703	1.00	1.00	2.01	21.85	0.000	0.000	19.50	0.00	0.00
15	107.00	TA08025-B604	3	8.821	9.703	0.50	0.75	2.95	191.70	0.000	0.000	28.67	0.00	0.00
16	107.00	TA08025-B605	3	8.821	9.703	0.50	0.75	2.95	225.00	0.000	0.000	28.67	0.00	0.00
17	107.00	MC-PK8-DSH	1	8.821	9.703	1.00	1.00	37.59	1727.00	0.000	0.000	364.74	0.00	0.00
18	107.00	MX08FRO665-21	3	8.821	9.703	0.55	0.75	20.80	193.50	0.000	0.000	201.79	0.00	0.00
							Totals:		**7,727.77**			**2,221.18**		

Total Applied Force Summary

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 21

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		88.11	982.70	0.00	0.00
10.00		86.36	1005.34	0.00	0.00
15.00		84.60	986.16	0.00	0.00
20.00		82.85	966.98	0.00	0.00
25.00		81.09	947.80	0.00	0.00
30.00		79.40	928.62	0.00	0.00
35.00		81.14	909.44	0.00	0.00
40.00		82.39	890.27	0.00	0.00
45.00		83.23	871.09	0.00	0.00
50.00		85.09	1515.35	0.00	0.00
55.00		85.34	717.16	0.00	0.00
60.00		85.35	701.18	0.00	0.00
65.00		85.13	685.19	0.00	0.00
70.00		84.72	669.21	0.00	0.00
75.00		84.12	653.23	0.00	0.00
80.00		83.36	637.25	0.00	0.00
85.00		82.45	621.26	0.00	0.00
90.00		81.40	605.28	0.00	0.00
95.00		80.23	382.72	0.00	0.00
100.00		78.93	373.13	0.00	0.00
105.00		77.52	363.54	0.00	0.00
107.00	(11) attachments	673.84	2501.78	0.00	0.00
110.00		45.30	208.22	0.00	0.00
115.00		74.41	339.37	0.00	0.00
117.00	(12) attachments	595.08	2329.98	0.00	168.99
120.00		43.31	196.71	0.00	0.00
125.00		70.92	309.79	0.00	0.00
127.00	(16) attachments	1039.66	3293.03	0.00	0.00
130.00		41.11	146.39	0.00	0.00
	Totals:	**4,326.43**	**25,738.18**	**0.00**	**168.99**

Calculated Forces

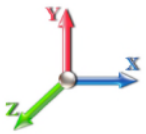
Structure:	CT11561-A-SBA	**Code:**	EIA/TIA-222-G	9/8/2021	
Site Name:	Groton 2, CT	**Exposure:**	B		
Height:	130.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 21

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	-25.74	-4.33	0.00	-412.92	0.00	412.92	3903.36	1951.68	7638.46	3824.91	0.00	0.000	0.000	0.115
5.00	-24.75	-4.26	0.00	-391.25	0.00	391.25	3851.93	1925.96	7386.73	3698.85	0.02	-0.035	0.000	0.112
10.00	-23.74	-4.19	0.00	-369.95	0.00	369.95	3799.43	1899.71	7137.04	3573.82	0.07	-0.071	0.000	0.110
15.00	-22.76	-4.12	0.00	-349.01	0.00	349.01	3745.86	1872.93	6889.51	3449.88	0.17	-0.106	0.000	0.107
20.00	-21.79	-4.04	0.00	-328.43	0.00	328.43	3691.24	1845.62	6644.27	3327.07	0.30	-0.142	0.000	0.105
25.00	-20.84	-3.97	0.00	-308.20	0.00	308.20	3635.55	1817.78	6401.45	3205.48	0.47	-0.178	0.000	0.102
30.00	-19.90	-3.90	0.00	-288.33	0.00	288.33	3578.80	1789.40	6161.16	3085.16	0.67	-0.213	0.000	0.099
35.00	-18.99	-3.83	0.00	-268.81	0.00	268.81	3520.99	1760.49	5923.54	2966.17	0.91	-0.249	0.000	0.096
40.00	-18.10	-3.76	0.00	-249.66	0.00	249.66	3462.11	1731.06	5688.70	2848.58	1.19	-0.285	0.000	0.093
45.00	-17.23	-3.68	0.00	-230.88	0.00	230.88	3402.17	1701.09	5456.79	2732.45	1.51	-0.320	0.000	0.090
50.00	-15.71	-3.59	0.00	-212.49	0.00	212.49	2672.34	1336.17	4264.27	2135.31	1.87	-0.355	0.000	0.105
55.00	-14.99	-3.51	0.00	-194.52	0.00	194.52	2628.44	1314.22	4091.13	2048.60	2.26	-0.390	0.000	0.101
60.00	-14.29	-3.43	0.00	-176.95	0.00	176.95	2583.48	1291.74	3919.82	1962.82	2.69	-0.429	0.000	0.096
65.00	-13.60	-3.35	0.00	-159.79	0.00	159.79	2537.45	1268.73	3750.46	1878.02	3.15	-0.466	0.000	0.090
70.00	-12.93	-3.27	0.00	-143.03	0.00	143.03	2490.36	1245.18	3583.19	1794.26	3.66	-0.503	0.000	0.085
75.00	-12.28	-3.19	0.00	-126.69	0.00	126.69	2442.21	1221.10	3418.12	1711.60	4.21	-0.539	0.000	0.079
80.00	-11.64	-3.10	0.00	-110.76	0.00	110.76	2392.99	1196.50	3255.39	1630.11	4.79	-0.573	0.000	0.073
85.00	-11.02	-3.02	0.00	-95.24	0.00	95.24	2342.71	1171.36	3095.11	1549.86	5.41	-0.605	0.000	0.066
90.00	-10.41	-2.94	0.00	-80.13	0.00	80.13	2291.37	1145.69	2937.41	1470.89	6.06	-0.635	0.000	0.059
90.00	-10.41	-2.94	0.00	-80.13	0.00	80.13	1145.45	572.73	1480.17	741.18	6.06	-0.635	0.000	0.117
95.00	-10.03	-2.86	0.00	-65.44	0.00	65.44	1127.97	563.98	1413.34	707.72	6.74	-0.662	0.000	0.101
100.00	-9.65	-2.78	0.00	-51.15	0.00	51.15	1109.42	554.71	1346.59	674.30	7.45	-0.701	0.000	0.085
105.00	-9.29	-2.70	0.00	-37.24	0.00	37.24	1089.82	544.91	1280.05	640.97	8.21	-0.733	0.000	0.067
107.00	-6.80	-2.00	0.00	-31.83	0.00	31.83	1081.68	540.84	1253.52	627.69	8.52	-0.745	0.000	0.057
110.00	-6.59	-1.95	0.00	-25.83	0.00	25.83	1069.15	534.57	1213.84	607.82	8.99	-0.759	0.000	0.049
115.00	-6.25	-1.88	0.00	-16.07	0.00	16.07	1047.42	523.71	1148.08	574.89	9.79	-0.778	0.000	0.034
117.00	-3.93	-1.25	0.00	-12.15	0.00	12.15	1038.42	519.21	1121.94	561.80	10.12	-0.784	0.000	0.025
120.00	-3.73	-1.20	0.00	-8.40	0.00	8.40	1024.62	512.31	1082.91	542.26	10.62	-0.790	0.000	0.019
125.00	-3.42	-1.13	0.00	-2.39	0.00	2.39	1000.76	500.38	1018.44	509.98	11.45	-0.796	0.000	0.008
127.00	-0.15	-0.04	0.00	-0.13	0.00	0.13	990.92	495.46	992.88	497.18	11.78	-0.797	0.000	0.000
130.00	0.00	-0.04	0.00	0.00	0.00	0.00	975.84	487.92	954.81	478.11	12.28	-0.797	0.000	0.000

Final Analysis Summary

Structure:	CT11561-A-SBA		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 105 mph Wind	21.2	0.00	30.85	0.00	0.00	2033.39
0.9D + 1.6W 105 mph Wind	21.2	0.00	23.13	0.00	0.00	2016.50
1.2D + 1.0Di + 1.0Wi 50 mph Wind	5.3	0.00	48.90	0.00	0.00	496.04
1.2D + 1.0E	1.3	0.00	30.89	0.00	0.00	139.39
0.9D + 1.0E	1.3	0.00	23.16	0.00	0.00	138.15
1.0D + 1.0W 60 mph Wind	4.3	0.00	25.74	0.00	0.00	412.92

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 105 mph Wind	-11.74	-14.50	0.00	-395.49	0.00	-395.49	2291.37	1145.6	2937.41	1470.89	90.00	0.544
0.9D + 1.6W 105 mph Wind	-8.62	-14.32	0.00	-390.24	0.00	-390.24	2291.37	1145.6	2937.41	1470.89	90.00	0.535
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-23.54	-3.49	0.00	-91.92	0.00	-91.92	2291.37	1145.6	2937.41	1470.89	90.00	0.145
1.2D + 1.0E	-12.53	-1.07	0.00	-35.01	0.00	-35.01	2291.37	1145.6	2937.41	1470.89	90.00	0.058
0.9D + 1.0E	-9.40	-1.06	0.00	-34.60	0.00	-34.60	2291.37	1145.6	2937.41	1470.89	90.00	0.055
1.0D + 1.0W 60 mph Wind	-10.41	-2.94	0.00	-80.13	0.00	-80.13	2291.37	1145.6	2937.41	1470.89	90.00	0.117

Base Plate Summary

Structure:	CT11561-A-SB		**Code:**	EIA/TIA-222-G	9/8/2021
Site Name:	Groton 2, CT		**Exposure:**	B	
Height:	130.00 (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

Reactions	
Original Design	
Moment (kip-ft):	2188.80
Axial (kip):	27.80
Shear (kip):	22.70
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	2033.39
Axial (kip):	30.85
Shear (kip):	21.25

Base Plate	
Yield (ksi):	50.00
Width (in):	60.00
Style:	Round
Polygon Sides:	0.00
Clip Length (in):	0.00
Effective Len (in):	23.42
Moment (kip-in):	464.09
Allow Stress (ksi):	67.50
Applied Stress (ksi):	18.90
Stress Ratio:	0.28

Anchor Bolts	
Bolt Circle:	54.00
Number Bolts:	12.00
Bolt Type:	2.25" A193 B7
Bolt Diameter (in):	2.25
Yield (ksi):	105.00
Ultimate (ksi):	125.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	30.00
Compression	
Force (kip):	154.70
Allowable (kip):	325.00
Ratio:	0.49
Tension	
Force (kip):	146.55
Allowable (kip):	325.00
Ratio:	0.46

Monopole Mat Foundation Design

				Date
				9/8/2021
	Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
	Site Name:		Structure Height (Ft.):	130
	Site Number:	CT11561-A-SBA	Engineer Name:	I. Dhakal
	Engr. Number:	115092	Engineer Login ID:	

Foundation Info Obtained from:	Drawings/Calculations
Structure Type:	Monopole
Analysis or Design?	Analysis

Base Reactions (Factored):

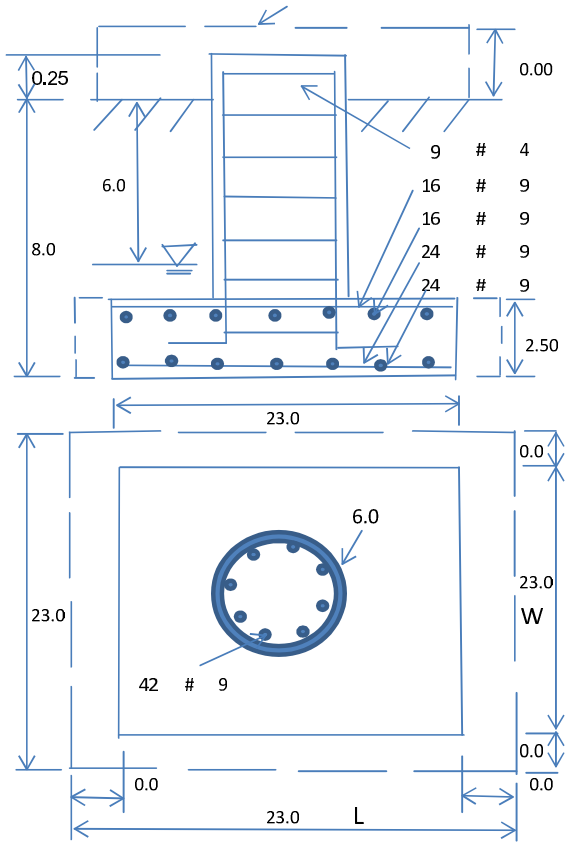
Axial Load (Kips):	30.9	Shear Force (Kips):	21.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2033.4
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	6.0	Depth of Base BG (ft.):	8.0
Pier Height A. G. (ft.):	0.25	Thickness of Pad (ft):	2.50
Length of Pad (ft.):	23	Width of Pad (ft.):	23
Final Length of pad (ft)	23.0	Final width of pad (ft):	23.0

Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	42	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):	24	Qty. of Rebar in Pad (W):	24	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	16	Qty. of Rebar in Pad (W):	16	
Apply 1.35 factor for e/w Per G:	1.35			



Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	62.6	Pcf		
Water Table B.G.S. (ft):	6.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	30000	Ultimate Skin Friction:		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.):	2753.99	Total Dry Soil Weight (Kips):	302.94
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	302.94	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	427.08	Total Dry Concrete Weight (Kips):	64.06
Total Buoyant Concrete Volume (cu. Ft.):	1058.00	Total Buoyant Concrete Weight (Kips):	92.68
Total Effective Concrete Weight (Kips):	156.74	Total Vertical Load on Base (Kips):	490.58

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2017	<	Allowable Factored Soil Bearing (psf):	22500	0.09	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	5113.1	>	Design Factored Momont (kips-ft):	2006	0.39	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.55	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):	183.4
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):	171.6
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):	1337.3
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:	813.4	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!

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

Mount Fix

SMART Tool Project #: 10053692
Maser Consulting Connecticut Project #: 20777645A (Rev. 1)

July 28, 2021

Site Information	*Site ID:*	*468023-VZW / Mystic West CT-A*
	Site Name:	*Mystic West CT-A*
	Carrier Name:	*Verizon Wireless*
	Address:	*237 Sandy Hollow Rd.* *Mystic, Connecticut 06355* *New London County*
	Latitude:	*41.369278°*
	Longitude:	*-71.982417°*
Structure Information	*Tower Type:*	*130.00-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16244632

Analysis Results

Platform: **63.5% 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: Nathan LaPorte

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:5009068, dated July 20, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468023, dated February 8, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 20777645A, dated April 21, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 20777645A, dated July 27, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	128 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.186
	S_1:	0.052
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
115.42	117.00	2	Samsung	MT6407-77A	Added
		2	Samsung	B2/B66A RRH-BR049	
		2	CommScope	CBC1923Q-43	
		1	RFS	DB-B1-6C-12AB-0Z	
		1	Raycap	RRFDC-3315-PF-48	Retained
		2	Andrew	HBXX-6513DS-VTM	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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
Cross Member	45.6 %	Pass
Grating Support	9.8 %	Pass
Mount Pipe	17.0 %	Pass
Face Horizontal	7.0 %	Pass
Standoff Horizontal	36.8 %	Pass
Corner Plate	19.9 %	Pass
Standoff End Plate 1	49.3 %	Pass
Standoff End Plate 1	26.5 %	Pass
Equipment Pipe	11.5 %	Pass
Support Rail	8.4 %	Pass
Support Rail Corner	14.5 %	Pass
Mount Connection	63.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**63.5%**

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

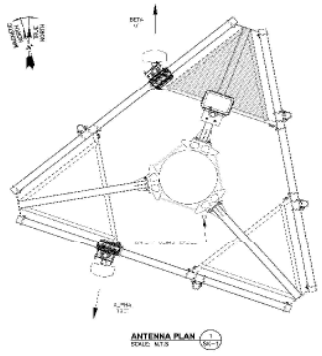
MASER CONSULTING
CONNECTICUT

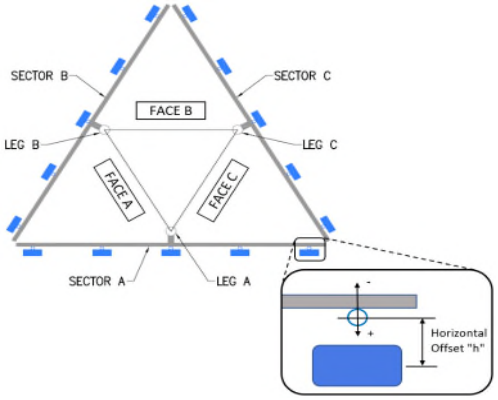
V3.0 Updated on 8-31-2020

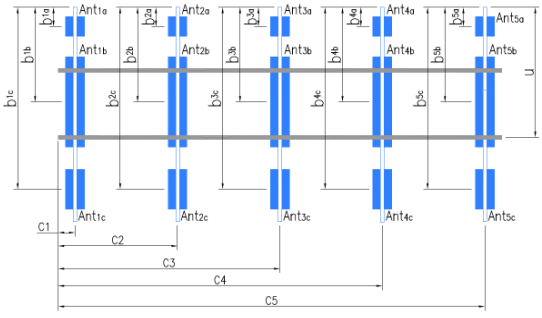
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1261047

Tower Owner:	SBA TOWERS	**Mapping Date:**	2/8/2021
Site Name:	MYSTIC WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468023	**Tower Height (Ft.):**	130
Mapping Contractor:	HUDSON DESIGN GROUP, LLC	**Mount Elevation (Ft.):**	116







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.5" STD. X 72" LONG	40.00	100.00	C1			
A2				C2			
A3				C3			
A4				C4			
A5				C5			
A6				C6			
B1	PIPE 2.5" STD. X 72" LONG	40.00	100.00	D1			
B2				D2			
B3				D3			
B4				D4			
B5				D5			
B6				D6			

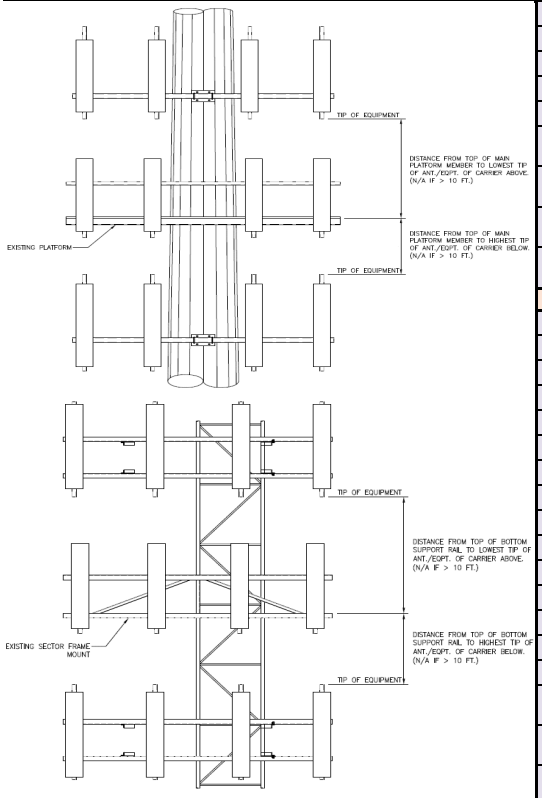
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	2.4
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
GAMMA SECTOR HAS NO EQUIPMENT	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	26

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B4 RRH2X60-4R	11.00	5.50	36.00		117.833	18.00	-7.00		21
Ant_{1b}	HBXX-6513DS-A2M	12.00	6.50	27.50		117	28.00	9.00	190.00	20
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	200.00	Deg	Leg A:		Deg
Sector B:	320.00	Deg	Leg B:		Deg
Sector C:	80.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	150.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	B4 RRH2X60-4R	11.00	5.50	36.00		117.833	18.00	-7.00		32
Ant_{1b}	HBXX-6513DS-A2M	12.00	6.50	27.50		117	28.00	9.00	0.00	31
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.00	10.00	28.00						34
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(1) 1-1/4"Ø HYBRID	152
3	TOWER TAG INFO: MODEL: 180' MJ-140 MONOPOLE, (REST OF TAG UNREADABLE IN PIC)	10
4		
5		
6		
7		
8		

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

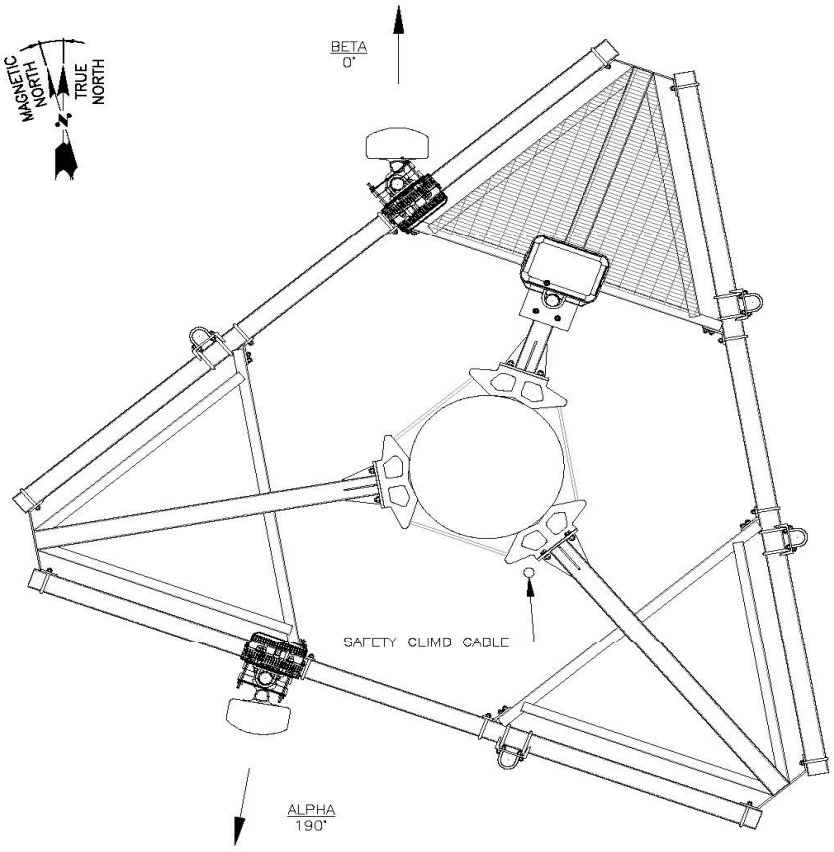
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1261047

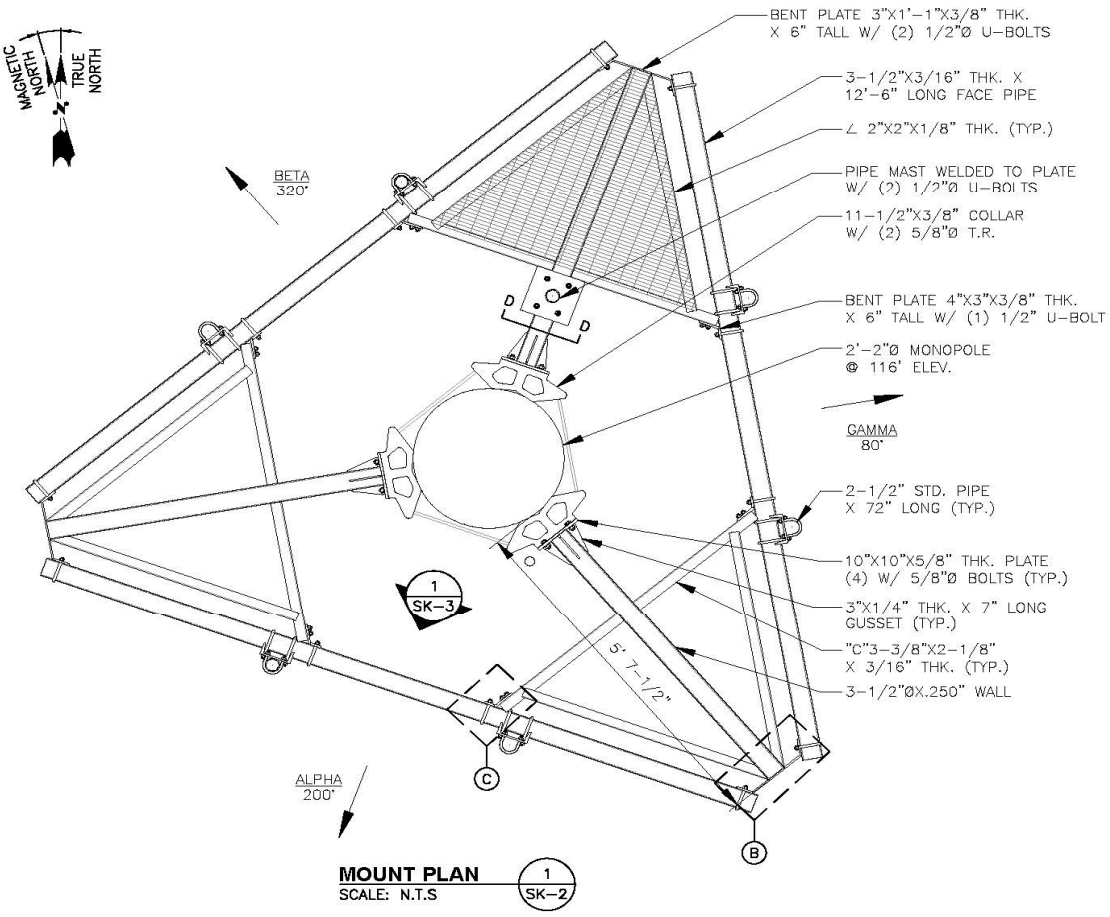
Tower Owner:	SBA TOWERS	**Mapping Date:**	2/8/2021
Site Name:	MYSTIC WEST CT	**Tower Type:**	Monopole
Site Number or ID:	468023	**Tower Height (Ft.):**	130
Mapping Contractor:	HUDSON DESIGN GROUP, LLC	**Mount Elevation (Ft.):**	116

Please Insert Sketches of the Antenna Mount



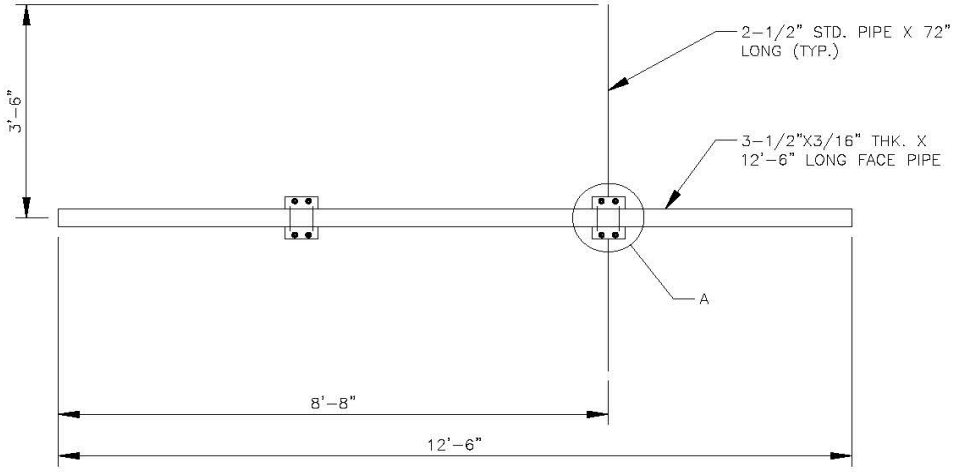
ANTENNA PLAN (1 / SK–1)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

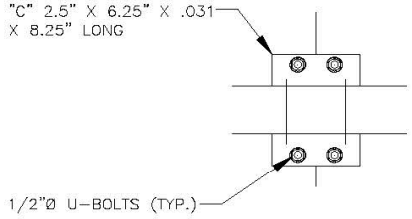


MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

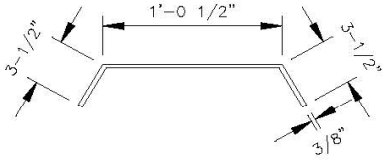
Please Insert Sketches of the Antenna Mount, cont'd



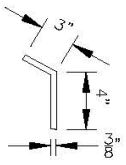
MOUNT FACE ELEVATION (1 / SK–3)
SCALE: N.T.S



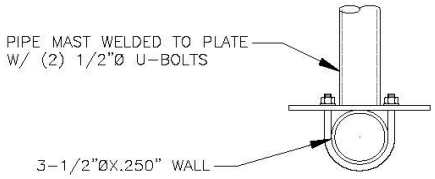
DETAIL A



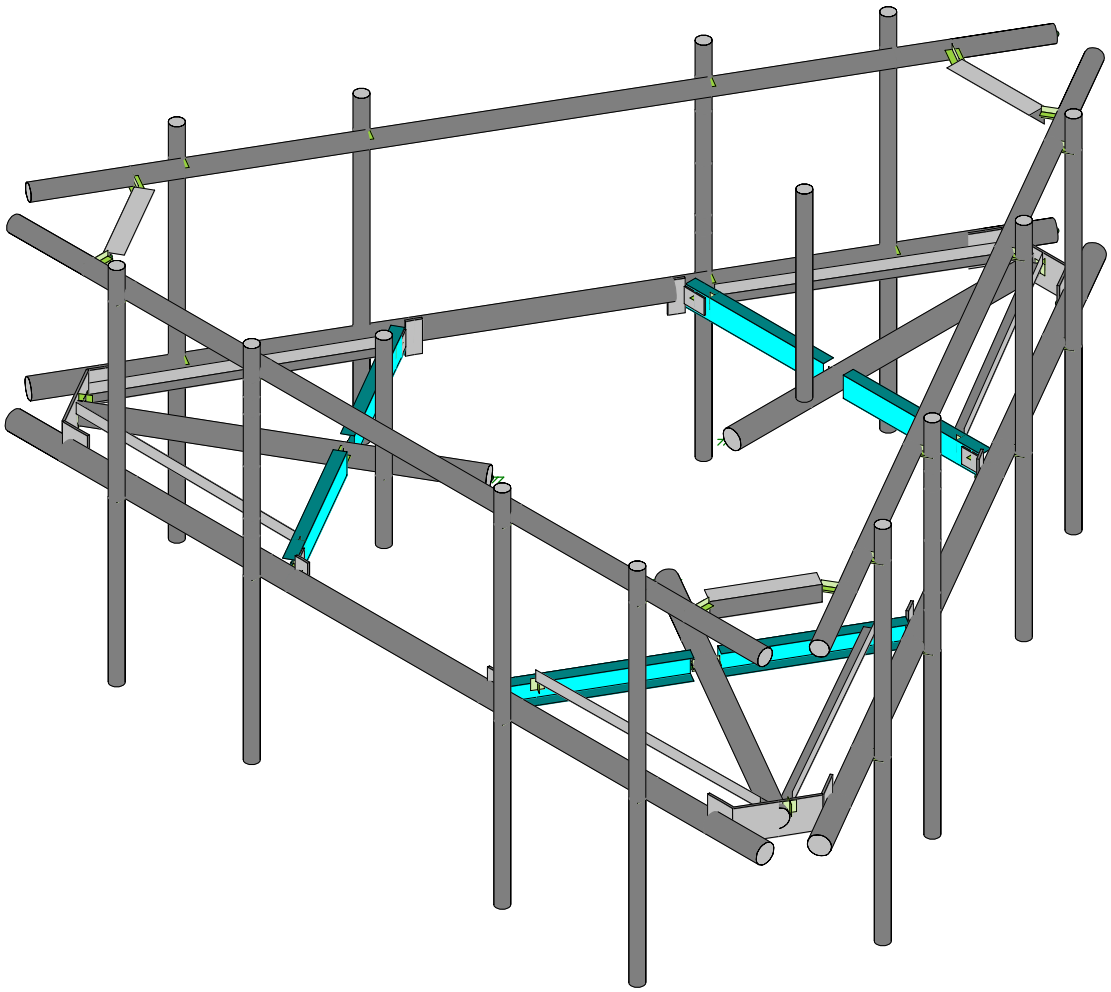
DETAIL B



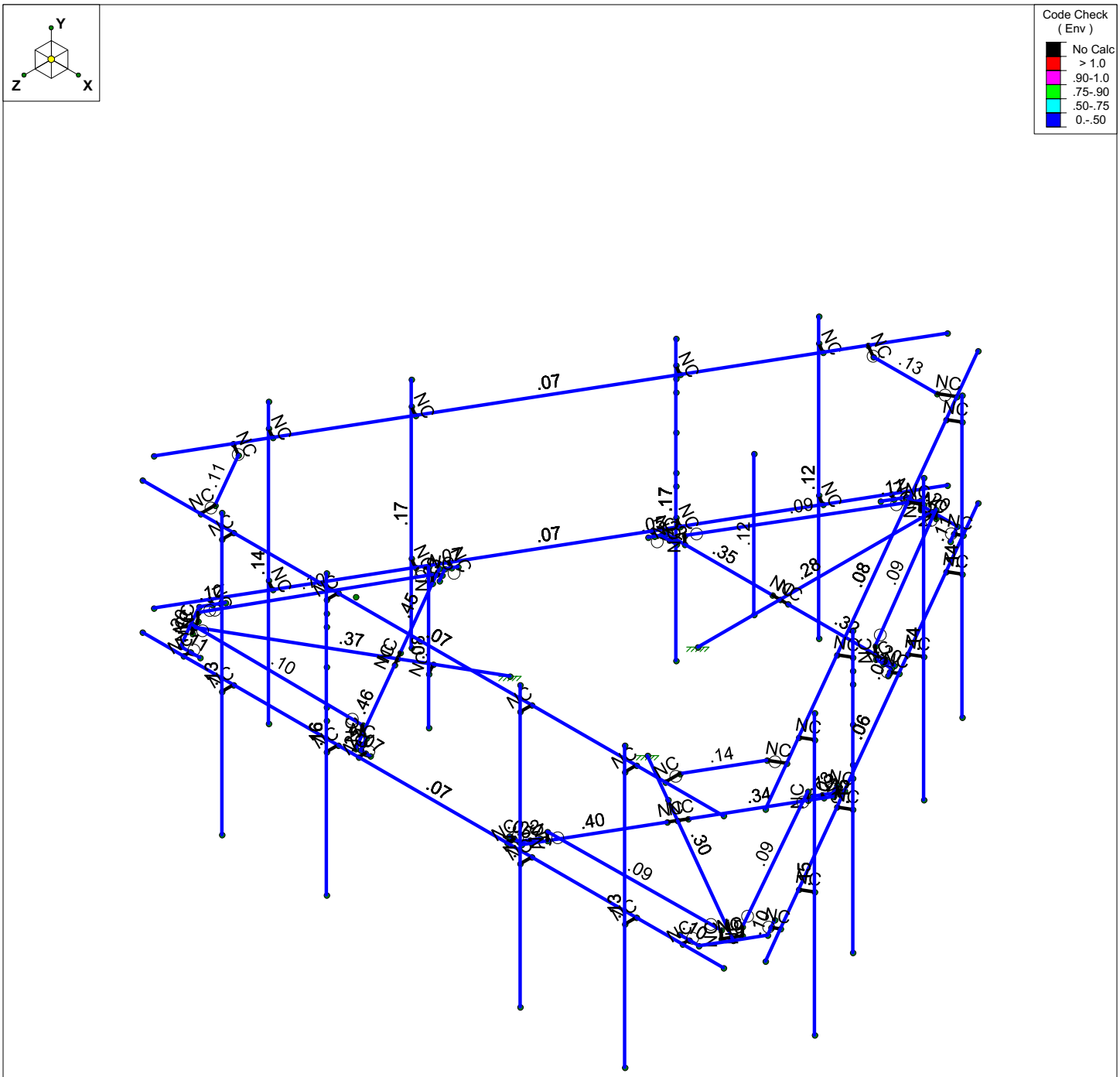
DETAIL C



DETAIL D-D



Maser Consulting	Mount Fix	SK - 1
NL		July 27, 2021 at 1:55 PM
20777645A		LOADED_468023-VZW_MT_LO_...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 2
NL		July 27, 2021 at 1:55 PM
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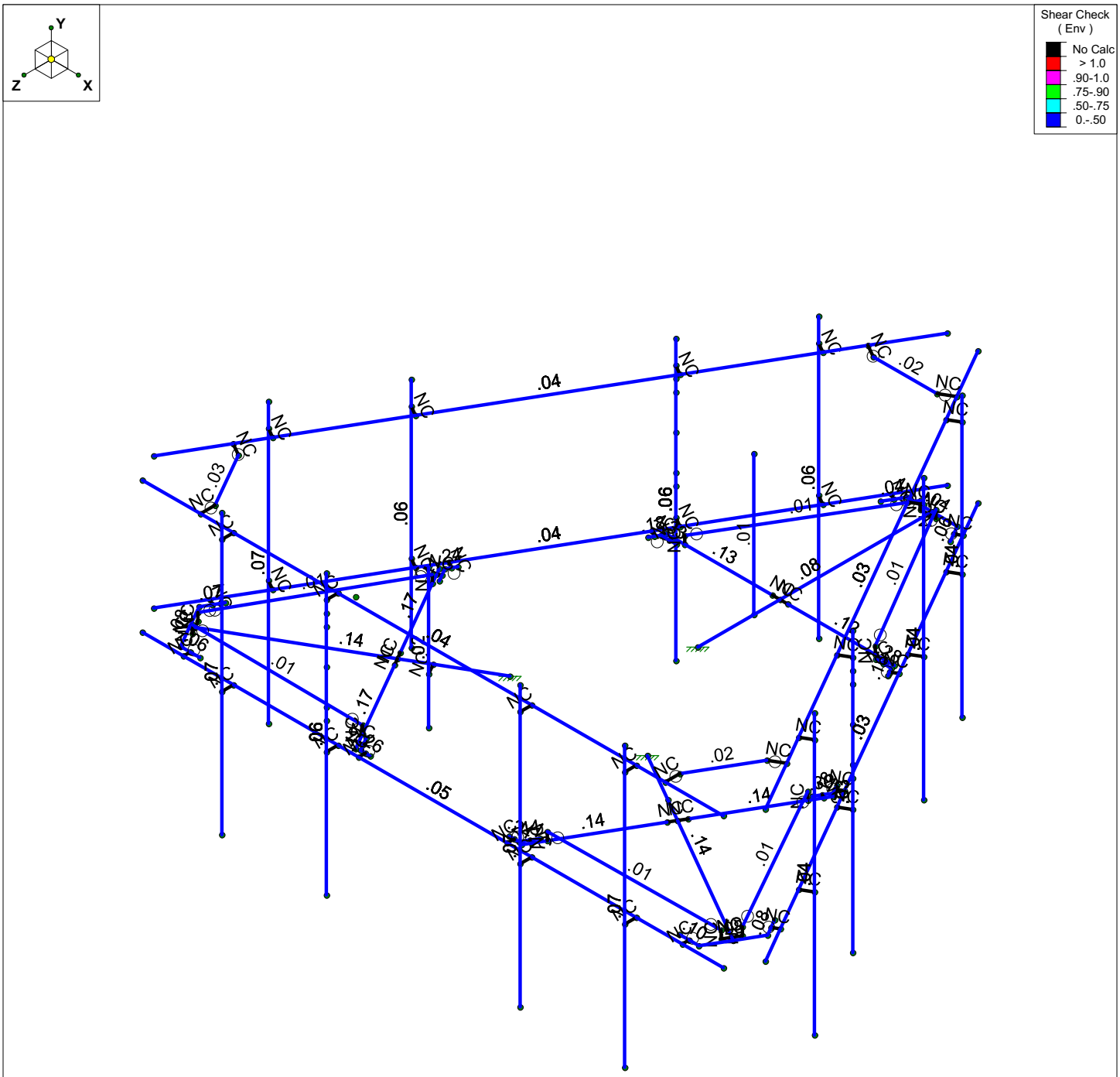


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 3
NL		July 27, 2021 at 1:56 PM
20777645A		LOADED_468023-VZW_MT_LO_...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					42			
2	Antenna Di	None					42			
3	Antenna Wo (0 Deg)	None					42			
4	Antenna Wo (30 Deg)	None					42			
5	Antenna Wo (60 Deg)	None					42			
6	Antenna Wo (90 Deg)	None					42			
7	Antenna Wo (120 Deg)	None					42			
8	Antenna Wo (150 Deg)	None					42			
9	Antenna Wo (180 Deg)	None					42			
10	Antenna Wo (210 Deg)	None					42			
11	Antenna Wo (240 Deg)	None					42			
12	Antenna Wo (270 Deg)	None					42			
13	Antenna Wo (300 Deg)	None					42			
14	Antenna Wo (330 Deg)	None					42			
15	Antenna Wi (0 Deg)	None					42			
16	Antenna Wi (30 Deg)	None					42			
17	Antenna Wi (60 Deg)	None					42			
18	Antenna Wi (90 Deg)	None					42			
19	Antenna Wi (120 Deg)	None					42			
20	Antenna Wi (150 Deg)	None					42			
21	Antenna Wi (180 Deg)	None					42			
22	Antenna Wi (210 Deg)	None					42			
23	Antenna Wi (240 Deg)	None					42			
24	Antenna Wi (270 Deg)	None					42			
25	Antenna Wi (300 Deg)	None					42			
26	Antenna Wi (330 Deg)	None					42			
27	Antenna Wm (0 Deg)	None					42			
28	Antenna Wm (30 Deg)	None					42			
29	Antenna Wm (60 Deg)	None					42			
30	Antenna Wm (90 Deg)	None					42			
31	Antenna Wm (120 Deg)	None					42			
32	Antenna Wm (150 Deg)	None					42			
33	Antenna Wm (180 Deg)	None					42			
34	Antenna Wm (210 Deg)	None					42			
35	Antenna Wm (240 Deg)	None					42			
36	Antenna Wm (270 Deg)	None					42			
37	Antenna Wm (300 Deg)	None					42			
38	Antenna Wm (330 Deg)	None					42			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 Deg)	None						118		
46	Structure Wo (150 Deg)	None						118		
47	Structure Wo (180 Deg)	None						118		
48	Structure Wo (210 Deg)	None						118		
49	Structure Wo (240 Deg)	None						118		
50	Structure Wo (270 Deg)	None						118		
51	Structure Wo (300 Deg)	None						118		
52	Structure Wo (330 Deg)	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						118		
58	Structure Wi (150 Deg)	None						118		
59	Structure Wi (180 Deg)	None						118		
60	Structure Wi (210 Deg)	None						118		
61	Structure Wi (240 Deg)	None						118		
62	Structure Wi (270 Deg)	None						118		
63	Structure Wi (300 Deg)	None						118		
64	Structure Wi (330 Deg)	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 Deg)	None						118		
67	Structure Wm (60 Deg)	None						118		
68	Structure Wm (90 Deg)	None						118		
69	Structure Wm (120 Deg)	None						118		
70	Structure Wm (150 Deg)	None						118		
71	Structure Wm (180 Deg)	None						118		
72	Structure Wm (210 Deg)	None						118		
73	Structure Wm (240 Deg)	None						118		
74	Structure Wm (270 Deg)	None						118		
75	Structure Wm (300 Deg)	None						118		
76	Structure Wm (330 Deg)	None						118		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area ...	None						30		
82	BLC 40 Transient Area ...	None						30		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-6.25	0	3.989921	0	
2	N2	6.25	0	3.989921	0	
3	N16	0.541667	0	-6.749997	0	
4	N17	-0.541667	0	-6.749997	0	
5	N31	-0.	0	-1.708331	0	
6	N32	-2.458333	0	-3.479164	0	
7	N33	2.458333	0	-3.479164	0	
8	N34	-2.052083	0	-3.479164	0	
9	N36	-0.	0	-6.749997	0	
10	N199	-0.	0	-3.479164	0	
11	N133	-2.041667	0	3.989921	0	
12	N137	-2.041667	0	4.239921	0	
13	N149	-2.041667	3.333333	4.239921	0	
14	N153	-2.041667	-2.666667	4.239921	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	CP	0	0	0	0	
16	N73B	2.581121	0	-3.21713	0	
17	N74A	2.475709	0	-3.396828	0	
18	N75A	2.302795	0	-3.395832	0	
19	N76A	2.302315	0	-3.479164	0	
20	N77A	2.528415	0	-3.306979	0	
21	N78A	2.142381	0	-3.394908	0	
22	N79	2.655513	0	-3.380359	0	
23	N94B	-2.581121	0	-3.21713	0	
24	N95A	-2.475709	0	-3.396828	0	
25	N96A	-2.302795	0	-3.395832	0	
26	N97	-2.302315	0	-3.479164	0	
27	N98	-2.528415	0	-3.306979	0	
28	N99A	-2.142381	0	-3.394908	0	
29	N100A	-2.655513	0	-3.380359	0	
30	N41	-2.052083	0.166667	-3.479164	0	
31	N55	2.052083	0	-3.479164	0	
32	N56	2.052083	0.166667	-3.479164	0	
33	N120A	0.166667	0	-3.479164	0	
34	N121A	-0.166667	0	-3.479164	0	
35	N54	-0.166667	0	-6.666664	0	
36	N55A	0.166667	0	-6.666664	0	
37	N56A	-0.166667	0.166667	-6.666664	0	
38	N57	0.166667	0.166667	-6.666664	0	
39	N124A	.75	0	-6.389154	0	
40	N126A	0.772122	0	-6.642488	0	
41	N127A	0.645833	0	-6.569576	0	
42	N136	-.75	0	-6.389154	0	
43	N137A	-0.772122	0	-6.642488	0	
44	N138	-0.645833	0	-6.569576	0	
45	N217	-0.	0	-2.916664	0	
46	N220	-0.	3	-2.916664	0	
47	N49	2.125	0	3.989921	0	
48	N50	2.125	0	4.239921	0	
49	N51	2.125	3.333333	4.239921	0	
50	N52	2.125	-2.666667	4.239921	0	
51	N148C	-2.041667	1.583333	4.239921	0	
52	N148D	-2.041667	2.583333	4.239921	0	
53	N149D	-2.041667	0.583333	4.239921	0	
54	N150B	-2.041667	2.333333	4.239921	0	
55	N151B	-2.041667	0.833333	4.239921	0	
56	N152A	-0.	0	-6.666664	0	
57	N57A	-6.116503	0	2.905902	0	
58	N58	-5.574836	0	3.844096	0	
59	N59	-1.479458	0	0.854165	0	
60	N60	-1.783878	0	3.868561	0	
61	N61	-4.242211	0	-0.389397	0	
62	N62	-1.987003	0	3.516738	0	
63	N63	-5.845669	0	3.374999	0	
64	N64	-3.013045	0	1.739582	0	
65	N66	-4.076677	0	-0.626751	0	
66	N67	-4.179594	0	-0.445613	0	
67	N68	-4.092275	0	-0.296363	0	
68	N69	-4.164202	0	-0.254281	0	
69	N70	-4.128136	0	-0.536182	0	
70	N71	-4.011267	0	-0.157903	0	
71	N72	-4.255234	0	-0.609562	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N73	-1.495556	0	3.843881	0	
73	N74	-1.703885	0	3.842441	0	
74	N75	-1.789479	0	3.692195	0	
75	N76	-1.861887	0	3.733446	0	
76	N77	-1.59972	0	3.843161	0	
77	N78	-1.868886	0	3.552811	0	
78	N79A	-1.59972	0	3.989921	0	
79	N80	-1.987003	0.166667	3.516738	0	
80	N81	-4.039086	0	-0.037574	0	
81	N82	-4.039086	0.166667	-0.037574	0	
82	N83	-3.096378	0	1.595245	0	
83	N84	-2.929711	0	1.88392	0	
84	N85	-5.690167	0	3.47767	0	
85	N86	-5.856834	0	3.188995	0	
86	N87	-5.690167	0.166667	3.47767	0	
87	N88	-5.856834	0.166667	3.188995	0	
88	N89	-5.908169	0	2.545058	0	
89	N90	-6.138625	0	2.652567	0	
90	N91	-6.012336	0	2.72548	0	
91	N92	-5.158169	0	3.844096	0	
92	N93	-5.366503	0	3.989921	0	
93	N94	-5.366503	0	3.844096	0	
94	N95	-2.525905	0	1.458332	0	
95	N97A	-5.773501	0	3.333332	0	
96	N98A	5.574836	0	3.844096	0	
97	N99	6.116503	0	2.905902	0	
98	N100	1.479458	0	0.854165	0	
99	N101	4.242211	0	-0.389397	0	
100	N102	1.783878	0	3.868561	0	
101	N103	4.039086	0	-0.037574	0	
102	N104	5.845669	0	3.374999	0	
103	N105	3.013045	0	1.739582	0	
104	N107	1.495556	0	3.843881	0	
105	N108	1.703885	0	3.842441	0	
106	N109	1.789479	0	3.692195	0	
107	N110	1.861887	0	3.733446	0	
108	N111	1.59972	0	3.843161	0	
109	N112	1.868886	0	3.552811	0	
110	N113	1.59972	0	3.989921	0	
111	N114	4.076677	0	-0.626751	0	
112	N115	4.179594	0	-0.445613	0	
113	N116	4.092275	0	-0.296363	0	
114	N117	4.164202	0	-0.254281	0	
115	N118	4.128136	0	-0.536182	0	
116	N119	4.011267	0	-0.157903	0	
117	N120	4.255234	0	-0.609562	0	
118	N121	4.039086	0.166667	-0.037574	0	
119	N122	1.987003	0	3.516738	0	
120	N123	1.987003	0.166667	3.516738	0	
121	N124	2.929711	0	1.88392	0	
122	N125	3.096378	0	1.595245	0	
123	N126	5.856834	0	3.188995	0	
124	N127	5.690167	0	3.47767	0	
125	N128	5.856834	0.166667	3.188995	0	
126	N129	5.690167	0.166667	3.47767	0	
127	N130	5.158169	0	3.844096	0	
128	N131	5.366503	0	3.989921	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N132	5.366503	0	3.844096	0	
130	N133A	5.908169	0	2.545058	0	
131	N134	6.138625	0	2.652567	0	
132	N135	6.012336	0	2.72548	0	
133	N136A	2.525905	0	1.458332	0	
134	N138A	5.773501	0	3.333332	0	
135	N137C	6.580373	0	3.417698	0	
136	N138B	0.330373	0	-7.407619	0	
137	N153A	-0.330373	0	-7.407619	0	
138	N154	-6.580373	0	3.417698	0	
139	N155	-2.43454	0	-3.763096	0	
140	N156	-2.651046	0	-3.888096	0	
141	N157	-2.651046	3.333333	-3.888096	0	
142	N158	-2.651046	-1.666667	-3.888096	0	
143	N160	-4.517873	0	-0.154657	0	
144	N161	-4.73438	0	-0.279657	0	
145	N162	-4.73438	3.333333	-0.279657	0	
146	N163	-4.73438	-1.666667	-0.279657	0	
147	N164	-2.651046	1.583333	-3.888096	0	
148	N165	-2.651046	2.583333	-3.888096	0	
149	N166	-2.651046	0.583333	-3.888096	0	
150	N167	-2.651046	2.333333	-3.888096	0	
151	N168	-2.651046	0.833333	-3.888096	0	
152	N165A	-2.392572	0	1.689272	0	
153	N166A	-2.392572	-1	1.689272	0	
154	N167A	-2.392572	2	1.689272	0	
155	N155A	-6.25	2.833333	3.989921	0	
156	N156A	6.25	2.833333	3.989921	0	
157	N157A	-2.041667	2.833333	3.989921	0	
158	N158A	-2.041667	2.833333	4.239921	0	
159	N159	2.125	2.833333	3.989921	0	
160	N160A	2.125	2.833333	4.239921	0	
161	N161A	-1.783878	2.833333	3.868561	0	
162	N162A	6.580373	2.833333	3.417698	0	
163	N163A	0.330373	2.833333	-7.407619	0	
164	N164A	-0.330373	2.833333	-7.407619	0	
165	N165B	-6.580373	2.833333	3.417698	0	
166	N166B	-2.43454	2.833333	-3.763096	0	
167	N167B	-2.651046	2.833333	-3.888096	0	
168	N168A	-4.517873	2.833333	-0.154657	0	
169	N169	-4.73438	2.833333	-0.279657	0	
170	N170	4.476207	0	-0.226826	0	
171	N171	4.692713	0	-0.351826	0	
172	N172	4.692713	3.333333	-0.351826	0	
173	N173	4.692713	-2.666667	-0.351826	0	
174	N175	2.392873	0	-3.835265	0	
175	N176	2.60938	0	-3.960265	0	
176	N177	2.60938	3.333333	-3.960265	0	
177	N178	2.60938	-2.666667	-3.960265	0	
178	N179	4.692713	1.583333	-0.351826	0	
179	N180	4.692713	2.583333	-0.351826	0	
180	N181	4.692713	0.583333	-0.351826	0	
181	N182	4.692713	2.333333	-0.351826	0	
182	N183	4.692713	0.833333	-0.351826	0	
183	N184	4.476207	2.833333	-0.226826	0	
184	N185	4.692713	2.833333	-0.351826	0	
185	N186	2.392873	2.833333	-3.835265	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N187	2.60938	2.833333	-3.960265	0	
187	N187A	-5	2.833333	3.989921	0	
188	N188	5	2.833333	3.989921	0	
189	N189	5	2.833333	3.677421	0	
190	N191	-5	2.833333	3.677421	0	
191	N192	5.955373	2.833333	2.335166	0	
192	N193	0.955373	2.833333	-6.325088	0	
193	N194	0.68474	2.833333	-6.168838	0	
194	N195	5.68474	2.833333	2.491416	0	
195	N197	-0.955373	2.833333	-6.325088	0	
196	N198	-5.955373	2.833333	2.335166	0	
197	N199A	-5.68474	2.833333	2.491416	0	
198	N200	-0.68474	2.833333	-6.168838	0	
199	N199B	-4.291667	0	3.989921	0	
200	N200A	-4.291667	0	4.239921	0	
201	N201	-4.291667	3.333333	4.239921	0	
202	N202	-4.291667	-2.666667	4.239921	0	
203	N203	-4.291667	2.833333	3.989921	0	
204	N204	-4.291667	2.833333	4.239921	0	
205	N205	4.375	0	3.989921	0	
206	N206	4.375	0	4.239921	0	
207	N207	4.375	3.333333	4.239921	0	
208	N208	4.375	-2.666667	4.239921	0	
209	N209	4.375	2.833333	3.989921	0	
210	N210	4.375	2.833333	4.239921	0	
211	N211	5.601207	0	1.721732	0	
212	N212	5.817713	0	1.596732	0	
213	N213	5.817713	3.333333	1.596732	0	
214	N214	5.817713	-2.666667	1.596732	0	
215	N215	5.601207	2.833333	1.721732	0	
216	N216	5.817713	2.833333	1.596732	0	
217	N217A	1.267873	0	-5.783822	0	
218	N218	1.48438	0	-5.908822	0	
219	N219	1.48438	3.333333	-5.908822	0	
220	N220A	1.48438	-2.666667	-5.908822	0	
221	N221	1.267873	2.833333	-5.783822	0	
222	N222	1.48438	2.833333	-5.908822	0	
223	N223	-1.30954	0	-5.711653	0	
224	N224	-1.526046	0	-5.836653	0	
225	N225	-1.526046	3.333333	-5.836653	0	
226	N226	-1.526046	-2.666667	-5.836653	0	
227	N227	-1.30954	2.833333	-5.711653	0	
228	N228	-1.526046	2.833333	-5.836653	0	
229	N229	-5.642873	0	1.7939	0	
230	N230	-5.85938	0	1.6689	0	
231	N231	-5.85938	3.333333	1.6689	0	
232	N232	-5.85938	-2.666667	1.6689	0	
233	N233	-5.642873	2.833333	1.7939	0	
234	N234	-5.85938	2.833333	1.6689	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Equipment Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
4	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
5	Standoff Horizontal	PIPE_3.0X	Beam	SquareTube	A53 Gr.B	Typical	2.83	3.7	3.7	7.4
6	TES Crossmember	C4X5.4	Beam	Channel	A36 Gr.36	Typical	1.58	.312	3.85	.04
7	Grating Support	L2x2x2	Beam	Single Angle	A36 Gr.36	Typical	.491	.189	.189	.003
8	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Standoff End Plat...	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
10	Standoff End Plat...	PL3/8x2.5	Beam	RECT	A36 Gr.36	Typical	.938	.011	.488	.04
11	TES SEp 2	PL1/4X3	Beam	RECT	A36 Gr.36	Typical	.75	.004	.563	.015
12	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft...	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

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Cross Member	4CU2X01875	Beam	CU	A570 Gr. 36	Typical	1.369	.524	3.231	.016

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.49	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.49	50	65
3	A36	29000	11154	.3	.65	.49	36	58
4	A570 Gr. 36	29500	11346	.3	.65	.49	36	58

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M20	N32	N121A		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
2	M109	N120A	N33		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
3	M21	N41	N56A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
4	MP3A	N149	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
5	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
6	M19	N36	N31			Standoff Horiz...	Beam	SquareTube	A53 Gr.B	Typical
7	M10	N16	N17			Corner Plate	Beam	RECT	A36 Gr.36	Typical
8	M81	N137	N133			RIGID	None	None	RIGID	Typical
9	M49A	N74A	N78A			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
10	M50	N73B	N74A			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
11	M51	N75A	N76A			RIGID	None	None	RIGID	Typical
12	M52	N79	N77A			RIGID	None	None	RIGID	Typical
13	M61A	N95A	N99A			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
14	M62A	N94B	N95A			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
15	M63A	N96A	N97			RIGID	None	None	RIGID	Typical
16	M64A	N100A	N98			RIGID	None	None	RIGID	Typical
17	M24	N34	N41			RIGID	None	None	RIGID	Typical
18	M34	N57	N56			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
19	M35	N55	N56			RIGID	None	None	RIGID	Typical
20	M74A	N121A	N199			RIGID	None	None	RIGID	Typical
21	M75A	N199	N120A			RIGID	None	None	RIGID	Typical
22	M34A	N56A	N54			RIGID	None	None	RIGID	Typical
23	M35A	N57	N55A			RIGID	None	None	RIGID	Typical
24	M76A	N124A	N16			Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M77A	N126A	N127A			RIGID	None	None	RIGID	Typical
26	M82A	N136	N17			Corner Plate	Beam	RECT	A36 Gr.36	Typical
27	M83A	N137A	N138			RIGID	None	None	RIGID	Typical
28	OVP2	N220	N217			Equipment Pipe	Column	Pipe	A53 Gr.B	Typical
29	M36	N54	N55A			RIGID	None	None	RIGID	Typical
30	MP2A	N51	N52			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
31	M32	N50	N49			RIGID	None	None	RIGID	Typical
32	M32A	N60	N84		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
33	M33	N83	N61		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
34	M34B	N80	N87			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M35B	N63	N59			Standoff Horiz...	Beam	SquareTube	A53 Gr.B	Typical
36	M36A	N57A	N58			Corner Plate	Beam	RECT	A36 Gr.36	Typical
37	M37	N67	N71			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
38	M38	N66	N67			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
39	M39	N68	N69			RIGID	None	None	RIGID	Typical
40	M40	N72	N70			RIGID	None	None	RIGID	Typical
41	M41	N74	N78			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
42	M42	N73	N74			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
43	M43	N75	N76			RIGID	None	None	RIGID	Typical
44	M44	N79A	N77			RIGID	None	None	RIGID	Typical
45	M45	N62	N80		120	RIGID	None	None	RIGID	Typical
46	M46	N88	N82			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
47	M47	N81	N82		120	RIGID	None	None	RIGID	Typical
48	M48	N84	N64			RIGID	None	None	RIGID	Typical
49	M49	N64	N83			RIGID	None	None	RIGID	Typical
50	M50A	N87	N85		240	RIGID	None	None	RIGID	Typical
51	M51A	N88	N86		240	RIGID	None	None	RIGID	Typical
52	M52A	N89	N57A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N90	N91			RIGID	None	None	RIGID	Typical
54	M54	N92	N58			Corner Plate	Beam	RECT	A36 Gr.36	Typical
55	M55	N93	N94			RIGID	None	None	RIGID	Typical
56	M57	N85	N86			RIGID	None	None	RIGID	Typical
57	M58	N101	N125		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
58	M59	N124	N102		180	Cross Member	Beam	CU	A570 Gr. 36	Typical
59	M60	N121	N128			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
60	M61	N104	N100			Standoff Horiz...	Beam	SquareTube	A53 Gr.B	Typical
61	M62	N98A	N99			Corner Plate	Beam	RECT	A36 Gr.36	Typical
62	M63	N108	N112			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
63	M64	N107	N108			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
64	M65	N109	N110			RIGID	None	None	RIGID	Typical
65	M66	N113	N111			RIGID	None	None	RIGID	Typical
66	M67	N115	N119			TES SEp 2	Beam	RECT	A36 Gr.36	Typical
67	M68	N114	N115			Standoff End ...	Beam	RECT	A36 Gr.36	Typical
68	M69	N116	N117			RIGID	None	None	RIGID	Typical
69	M70	N120	N118			RIGID	None	None	RIGID	Typical
70	M71	N103	N121		240	RIGID	None	None	RIGID	Typical
71	M72	N129	N123			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
72	M73	N122	N123		240	RIGID	None	None	RIGID	Typical
73	M74	N125	N105			RIGID	None	None	RIGID	Typical
74	M75	N105	N124			RIGID	None	None	RIGID	Typical
75	M76	N128	N126		120	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
76	M77	N129	N127		120	RIGID	None	None	RIGID	Typical
77	M78	N130	N98A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
78	M79	N131	N132			RIGID	None	None	RIGID	Typical
79	M80	N133A	N99			Corner Plate	Beam	RECT	A36 Gr.36	Typical
80	M81A	N134	N135			RIGID	None	None	RIGID	Typical
81	M83	N126	N127			RIGID	None	None	RIGID	Typical
82	M85	N137C	N138B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	MP3B	N157	N158		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M90	N153A	N154			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
85	M91	N156	N155			RIGID	None	None	RIGID	Typical
86	MP2B	N162	N163		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M93	N161	N160			RIGID	None	None	RIGID	Typical
88	M92A	N165A	N95			RIGID	None	None	RIGID	Typical
89	M93A	N167A	N166A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90A	N155A	N156A			Support Rail	Column	Pipe	A53 Gr.B	Typical
91	M91A	N158A	N157A			RIGID	None	None	RIGID	Typical
92	M92	N160A	N159			RIGID	None	None	RIGID	Typical
93	M93B	N162A	N163A			Support Rail	Column	Pipe	A53 Gr.B	Typical
94	M94	N164A	N165B			Support Rail	Column	Pipe	A53 Gr.B	Typical
95	M95	N167B	N166B			RIGID	None	None	RIGID	Typical
96	M96	N169	N168A			RIGID	None	None	RIGID	Typical
97	MP3C	N172	N173		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M98	N171	N170			RIGID	None	None	RIGID	Typical
99	MP2C	N177	N178		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N176	N175			RIGID	None	None	RIGID	Typical
101	M101	N185	N184			RIGID	None	None	RIGID	Typical
102	M102	N187	N186			RIGID	None	None	RIGID	Typical
103	M103	N188	N189			RIGID	None	None	RIGID	Typical
104	M104	N187A	N191			RIGID	None	None	RIGID	Typical
105	M105	N193	N194			RIGID	None	None	RIGID	Typical
106	M106	N192	N195			RIGID	None	None	RIGID	Typical
107	M107	N198	N199A			RIGID	None	None	RIGID	Typical
108	M108	N197	N200			RIGID	None	None	RIGID	Typical
109	M109A	N191	N199A		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
110	M110	N195	N189		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
111	M111	N200	N194		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
112	MP4A	N201	N202			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	M113	N200A	N199B			RIGID	None	None	RIGID	Typical
114	M114	N204	N203			RIGID	None	None	RIGID	Typical
115	MP1A	N207	N208			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
116	M116	N206	N205			RIGID	None	None	RIGID	Typical
117	M117	N210	N209			RIGID	None	None	RIGID	Typical
118	MP4C	N213	N214			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	M119	N212	N211			RIGID	None	None	RIGID	Typical
120	M120	N216	N215			RIGID	None	None	RIGID	Typical
121	MP1C	N219	N220A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
122	M122	N218	N217A			RIGID	None	None	RIGID	Typical
123	M123	N222	N221			RIGID	None	None	RIGID	Typical
124	MP4B	N225	N226			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
125	M125	N224	N223			RIGID	None	None	RIGID	Typical
126	M126	N228	N227			RIGID	None	None	RIGID	Typical
127	MP1B	N231	N232			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
128	M128	N230	N229			RIGID	None	None	RIGID	Typical
129	M129	N234	N233			RIGID	None	None	RIGID	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	M20						Yes	Default			None
2	M109						Yes				None
3	M21	OOOOOX	OOOOOX				Yes	Default			None
4	MP3A						Yes	** NA **			None
5	M1						Yes	Default			None
6	M19						Yes				None
7	M10						Yes				None
8	M81						Yes	** NA **			None
9	M49A						Yes				None
10	M50						Yes				None
11	M51						Yes	** NA **			None
12	M52	BenPIN					Yes	** NA **			None
13	M61A						Yes				None
14	M62A						Yes				None
15	M63A						Yes	** NA **			None
16	M64A	BenPIN					Yes	** NA **			None
17	M24						Yes	** NA **			None
18	M34	OOOOOX	OOOOOX				Yes	Default			None
19	M35						Yes	** NA **			None
20	M74A						Yes	** NA **			None
21	M75A						Yes	** NA **			None
22	M34A						Yes	** NA **			None
23	M35A						Yes	** NA **			None
24	M76A						Yes	Default			None
25	M77A	OOOOOX					Yes	** NA **			None
26	M82A						Yes	Default			None
27	M83A	OOOOOX					Yes	** NA **			None
28	OVP2						Yes	** NA **			None
29	M36						Yes	** NA **			None
30	MP2A						Yes	** NA **			None
31	M32						Yes	** NA **			None
32	M32A						Yes	Default			None
33	M33						Yes				None
34	M34B	OOOOOX	OOOOOX				Yes	Default			None
35	M35B						Yes				None
36	M36A						Yes				None
37	M37						Yes				None
38	M38						Yes				None
39	M39						Yes	** NA **			None
40	M40	BenPIN					Yes	** NA **			None
41	M41						Yes				None
42	M42						Yes				None
43	M43						Yes	** NA **			None
44	M44	BenPIN					Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46	OOOOOX	OOOOOX				Yes	Default			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50A						Yes	** NA **			None
51	M51A						Yes	** NA **			None
52	M52A						Yes	Default			None
53	M53	OOOOOX					Yes	** NA **			None
54	M54						Yes	Default			None
55	M55	OOOOOX					Yes	** NA **			None
56	M57						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...
57	M58						Yes	Default			None
58	M59						Yes				None
59	M60	OOOOOX	OOOOOX				Yes	Default			None
60	M61						Yes				None
61	M62						Yes				None
62	M63						Yes				None
63	M64						Yes				None
64	M65						Yes	** NA **			None
65	M66	BenPIN					Yes	** NA **			None
66	M67						Yes				None
67	M68						Yes				None
68	M69						Yes	** NA **			None
69	M70	BenPIN					Yes	** NA **			None
70	M71						Yes	** NA **			None
71	M72	OOOOOX	OOOOOX				Yes	Default			None
72	M73						Yes	** NA **			None
73	M74						Yes	** NA **			None
74	M75						Yes	** NA **			None
75	M76						Yes	** NA **			None
76	M77						Yes	** NA **			None
77	M78						Yes	Default			None
78	M79	OOOOOX					Yes	** NA **			None
79	M80						Yes	Default			None
80	M81A	OOOOOX					Yes	** NA **			None
81	M83						Yes	** NA **			None
82	M85						Yes	Default			None
83	MP3B						Yes	** NA **			None
84	M90						Yes	Default			None
85	M91						Yes	** NA **			None
86	MP2B						Yes	** NA **			None
87	M93						Yes	** NA **			None
88	M92A						Yes	** NA **			None
89	M93A						Yes	** NA **			None
90	M90A						Yes	** NA **			None
91	M91A						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP3C						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP2C						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103	OOOOOX					Yes	** NA **			None
104	M104	OOOOOX					Yes	** NA **			None
105	M105	OOOOOX					Yes	** NA **			None
106	M106	OOOOOX					Yes	** NA **			None
107	M107	OOOOOX					Yes	** NA **			None
108	M108	OOOOOX					Yes	** NA **			None
109	M109A						Yes	Default			None
110	M110						Yes	Default			None
111	M111						Yes	Default			None
112	MP4A						Yes	** NA **			None
113	M113						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...
114	M114						Yes	** NA **			None
115	MP1A						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	MP4C						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	MP1C						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None
124	MP4B						Yes	** NA **			None
125	M125						Yes	** NA **			None
126	M126						Yes	** NA **			None
127	MP1B						Yes	** NA **			None
128	M128						Yes	** NA **			None
129	M129						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-7.9	4
2	MP3A	My	.001	4
3	MP3A	Mz	0	4
4	MP3B	Y	-7.9	4
5	MP3B	My	-.001	4
6	MP3B	Mz	.000229	4
7	MP2A	Y	-43.55	.75
8	MP2A	My	-.029	.75
9	MP2A	Mz	0	.75
10	MP2A	Y	-43.55	2.75
11	MP2A	My	-.029	2.75
12	MP2A	Mz	0	2.75
13	MP2B	Y	-43.55	.75
14	MP2B	My	.029	.75
15	MP2B	Mz	-.005	.75
16	MP2B	Y	-43.55	2.75
17	MP2B	My	.029	2.75
18	MP2B	Mz	-.005	2.75
19	MP3A	Y	-8.7	1
20	MP3A	My	-.007	1
21	MP3A	Mz	0	1
22	MP3A	Y	-8.7	2.5
23	MP3A	My	-.007	2.5
24	MP3A	Mz	0	2.5
25	MP3B	Y	-8.7	1
26	MP3B	My	.006	1
27	MP3B	Mz	-.001	1
28	MP3B	Y	-8.7	2.5
29	MP3B	My	.006	2.5
30	MP3B	Mz	-.001	2.5
31	MP3A	Y	-84.4	1.75
32	MP3A	My	.042	1.75
33	MP3A	Mz	0	1.75
34	MP3B	Y	-84.4	1.75
35	MP3B	My	-.042	1.75
36	MP3B	Mz	.007	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	M93A	Y	-32	1
38	M93A	My	0	1
39	M93A	Mz	0	1
40	OVP2	Y	-26.9	1
41	OVP2	My	0	1
42	OVP2	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-8.248	4
2	MP3A	My	.001	4
3	MP3A	Mz	0	4
4	MP3B	Y	-8.248	4
5	MP3B	My	-.001	4
6	MP3B	Mz	.000239	4
7	MP2A	Y	-34.906	.75
8	MP2A	My	-.023	.75
9	MP2A	Mz	0	.75
10	MP2A	Y	-34.906	2.75
11	MP2A	My	-.023	2.75
12	MP2A	Mz	0	2.75
13	MP2B	Y	-34.906	.75
14	MP2B	My	.023	.75
15	MP2B	Mz	-.004	.75
16	MP2B	Y	-34.906	2.75
17	MP2B	My	.023	2.75
18	MP2B	Mz	-.004	2.75
19	MP3A	Y	-24.584	1
20	MP3A	My	-.018	1
21	MP3A	Mz	0	1
22	MP3A	Y	-24.584	2.5
23	MP3A	My	-.018	2.5
24	MP3A	Mz	0	2.5
25	MP3B	Y	-24.584	1
26	MP3B	My	.018	1
27	MP3B	Mz	-.003	1
28	MP3B	Y	-24.584	2.5
29	MP3B	My	.018	2.5
30	MP3B	Mz	-.003	2.5
31	MP3A	Y	-43.995	1.75
32	MP3A	My	.022	1.75
33	MP3A	Mz	0	1.75
34	MP3B	Y	-43.995	1.75
35	MP3B	My	-.022	1.75
36	MP3B	Mz	.004	1.75
37	M93A	Y	-74.455	1
38	M93A	My	0	1
39	M93A	Mz	0	1
40	OVP2	Y	-54.187	1
41	OVP2	My	0	1
42	OVP2	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-11.768	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	-11.553	4
6	MP3B	Mx	-.000334	4
7	MP2A	X	0	.75
8	MP2A	Z	-86.421	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	-86.421	2.75
12	MP2A	Mx	0	2.75
13	MP2B	X	0	.75
14	MP2B	Z	-84.835	.75
15	MP2B	Mx	.01	.75
16	MP2B	X	0	2.75
17	MP2B	Z	-84.835	2.75
18	MP2B	Mx	.01	2.75
19	MP3A	X	0	1
20	MP3A	Z	-50.382	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5
23	MP3A	Z	-50.382	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	-49.738	1
27	MP3B	Mx	.006	1
28	MP3B	X	0	2.5
29	MP3B	Z	-49.738	2.5
30	MP3B	Mx	.006	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	-68.769	1.75
33	MP3A	Mx	0	1.75
34	MP3B	X	0	1.75
35	MP3B	Z	-68.082	1.75
36	MP3B	Mx	-.006	1.75
37	M93A	X	0	1
38	M93A	Z	-137.956	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	-90.965	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.995	4
2	MP3A	Z	-8.651	4
3	MP3A	Mx	.000832	4
4	MP3B	X	4.414	4
5	MP3B	Z	-7.645	4
6	MP3B	Mx	-.000946	4
7	MP2A	X	36.637	.75
8	MP2A	Z	-63.457	.75
9	MP2A	Mx	-.024	.75
10	MP2A	X	36.637	2.75
11	MP2A	Z	-63.457	2.75
12	MP2A	Mx	-.024	2.75
13	MP2B	X	32.347	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2B	Z	-56.026	.75
15	MP2B	Mx	.028	.75
16	MP2B	X	32.347	2.75
17	MP2B	Z	-56.026	2.75
18	MP2B	Mx	.028	2.75
19	MP3A	X	22.521	1
20	MP3A	Z	-39.008	1
21	MP3A	Mx	-.017	1
22	MP3A	X	22.521	2.5
23	MP3A	Z	-39.008	2.5
24	MP3A	Mx	-.017	2.5
25	MP3B	X	20.779	1
26	MP3B	Z	-35.99	1
27	MP3B	Mx	.02	1
28	MP3B	X	20.779	2.5
29	MP3B	Z	-35.99	2.5
30	MP3B	Mx	.02	2.5
31	MP3A	X	31.535	1.75
32	MP3A	Z	-54.619	1.75
33	MP3A	Mx	.016	1.75
34	MP3B	X	29.674	1.75
35	MP3B	Z	-51.397	1.75
36	MP3B	Mx	-.019	1.75
37	M93A	X	66.933	1
38	M93A	Z	-115.931	1
39	M93A	Mx	0	1
40	OVP2	X	44.083	1
41	OVP2	Z	-76.355	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.569	4
2	MP3A	Z	-3.216	4
3	MP3A	Mx	.000928	4
4	MP3B	X	4.75	4
5	MP3B	Z	-2.742	4
6	MP3B	Mx	-.000859	4
7	MP2A	X	40.686	.75
8	MP2A	Z	-23.49	.75
9	MP2A	Mx	-.027	.75
10	MP2A	X	40.686	2.75
11	MP2A	Z	-23.49	2.75
12	MP2A	Mx	-.027	2.75
13	MP2B	X	34.628	.75
14	MP2B	Z	-19.993	.75
15	MP2B	Mx	.025	.75
16	MP2B	X	34.628	2.75
17	MP2B	Z	-19.993	2.75
18	MP2B	Mx	.025	2.75
19	MP3A	X	29.76	1
20	MP3A	Z	-17.182	1
21	MP3A	Mx	-.022	1
22	MP3A	X	29.76	2.5
23	MP3A	Z	-17.182	2.5
24	MP3A	Mx	-.022	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	27.299	1
26	MP3B	Z	-15.761	1
27	MP3B	Mx	.022	1
28	MP3B	X	27.299	2.5
29	MP3B	Z	-15.761	2.5
30	MP3B	Mx	.022	2.5
31	MP3A	X	44.747	1.75
32	MP3A	Z	-25.834	1.75
33	MP3A	Mx	.022	1.75
34	MP3B	X	42.12	1.75
35	MP3B	Z	-24.318	1.75
36	MP3B	Mx	-.023	1.75
37	M93A	X	96.757	1
38	M93A	Z	-55.863	1
39	M93A	Mx	0	1
40	OVP2	X	63.239	1
41	OVP2	Z	-36.511	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.652	4
2	MP3A	Z	0	4
3	MP3A	Mx	.000775	4
4	MP3B	X	4.867	4
5	MP3B	Z	0	4
6	MP3B	Mx	-.000799	4
7	MP2A	X	33.834	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	-.023	.75
10	MP2A	X	33.834	2.75
11	MP2A	Z	0	2.75
12	MP2A	Mx	-.023	2.75
13	MP2B	X	35.419	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	.023	.75
16	MP2B	X	35.419	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	.023	2.75
19	MP3A	X	29.024	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.022	1
22	MP3A	X	29.024	2.5
23	MP3A	Z	0	2.5
24	MP3A	Mx	-.022	2.5
25	MP3B	X	29.668	1
26	MP3B	Z	0	1
27	MP3B	Mx	.022	1
28	MP3B	X	29.668	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	.022	2.5
31	MP3A	X	45.969	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	.023	1.75
34	MP3B	X	46.656	1.75
35	MP3B	Z	0	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	-.023	1.75
37	M93A	X	93.678	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	60.676	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.569	4
2	MP3A	Z	3.216	4
3	MP3A	Mx	.000928	4
4	MP3B	X	6.575	4
5	MP3B	Z	3.796	4
6	MP3B	Mx	-.000969	4
7	MP2A	X	40.686	.75
8	MP2A	Z	23.49	.75
9	MP2A	Mx	-.027	.75
10	MP2A	X	40.686	2.75
11	MP2A	Z	23.49	2.75
12	MP2A	Mx	-.027	2.75
13	MP2B	X	48.118	.75
14	MP2B	Z	27.781	.75
15	MP2B	Mx	.028	.75
16	MP2B	X	48.118	2.75
17	MP2B	Z	27.781	2.75
18	MP2B	Mx	.028	2.75
19	MP3A	X	29.76	1
20	MP3A	Z	17.182	1
21	MP3A	Mx	-.022	1
22	MP3A	X	29.76	2.5
23	MP3A	Z	17.182	2.5
24	MP3A	Mx	-.022	2.5
25	MP3B	X	32.778	1
26	MP3B	Z	18.924	1
27	MP3B	Mx	.022	1
28	MP3B	X	32.778	2.5
29	MP3B	Z	18.924	2.5
30	MP3B	Mx	.022	2.5
31	MP3A	X	44.747	1.75
32	MP3A	Z	25.834	1.75
33	MP3A	Mx	.022	1.75
34	MP3B	X	47.969	1.75
35	MP3B	Z	27.695	1.75
36	MP3B	Mx	-.021	1.75
37	M93A	X	84.67	1
38	M93A	Z	48.884	1
39	M93A	Mx	0	1
40	OVP2	X	54.971	1
41	OVP2	Z	31.737	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.995	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	8.651	4
3	MP3A	Mx	.000832	4
4	MP3B	X	5.468	4
5	MP3B	Z	9.47	4
6	MP3B	Mx	-.000623	4
7	MP2A	X	36.637	.75
8	MP2A	Z	63.457	.75
9	MP2A	Mx	-.024	.75
10	MP2A	X	36.637	2.75
11	MP2A	Z	63.457	2.75
12	MP2A	Mx	-.024	2.75
13	MP2B	X	40.135	.75
14	MP2B	Z	69.516	.75
15	MP2B	Mx	.018	.75
16	MP2B	X	40.135	2.75
17	MP2B	Z	69.516	2.75
18	MP2B	Mx	.018	2.75
19	MP3A	X	22.521	1
20	MP3A	Z	39.008	1
21	MP3A	Mx	-.017	1
22	MP3A	X	22.521	2.5
23	MP3A	Z	39.008	2.5
24	MP3A	Mx	-.017	2.5
25	MP3B	X	23.942	1
26	MP3B	Z	41.468	1
27	MP3B	Mx	.012	1
28	MP3B	X	23.942	2.5
29	MP3B	Z	41.468	2.5
30	MP3B	Mx	.012	2.5
31	MP3A	X	31.535	1.75
32	MP3A	Z	54.619	1.75
33	MP3A	Mx	.016	1.75
34	MP3B	X	33.051	1.75
35	MP3B	Z	57.246	1.75
36	MP3B	Mx	-.011	1.75
37	M93A	X	59.954	1
38	M93A	Z	103.843	1
39	M93A	Mx	0	1
40	OVP2	X	39.31	1
41	OVP2	Z	68.086	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	11.768	4
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	11.553	4
6	MP3B	Mx	.000334	4
7	MP2A	X	0	.75
8	MP2A	Z	86.421	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	86.421	2.75
12	MP2A	Mx	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2B	X	0	.75
14	MP2B	Z	84.835	.75
15	MP2B	Mx	-.01	.75
16	MP2B	X	0	2.75
17	MP2B	Z	84.835	2.75
18	MP2B	Mx	-.01	2.75
19	MP3A	X	0	1
20	MP3A	Z	50.382	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5
23	MP3A	Z	50.382	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	49.738	1
27	MP3B	Mx	-.006	1
28	MP3B	X	0	2.5
29	MP3B	Z	49.738	2.5
30	MP3B	Mx	-.006	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	68.769	1.75
33	MP3A	Mx	0	1.75
34	MP3B	X	0	1.75
35	MP3B	Z	68.082	1.75
36	MP3B	Mx	.006	1.75
37	M93A	X	0	1
38	M93A	Z	137.956	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	90.965	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.995	4
2	MP3A	Z	8.651	4
3	MP3A	Mx	-.000832	4
4	MP3B	X	-4.414	4
5	MP3B	Z	7.645	4
6	MP3B	Mx	.000946	4
7	MP2A	X	-36.637	.75
8	MP2A	Z	63.457	.75
9	MP2A	Mx	.024	.75
10	MP2A	X	-36.637	2.75
11	MP2A	Z	63.457	2.75
12	MP2A	Mx	.024	2.75
13	MP2B	X	-32.347	.75
14	MP2B	Z	56.026	.75
15	MP2B	Mx	-.028	.75
16	MP2B	X	-32.347	2.75
17	MP2B	Z	56.026	2.75
18	MP2B	Mx	-.028	2.75
19	MP3A	X	-22.521	1
20	MP3A	Z	39.008	1
21	MP3A	Mx	.017	1
22	MP3A	X	-22.521	2.5
23	MP3A	Z	39.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	.017	2.5
25	MP3B	X	-20.779	1
26	MP3B	Z	35.99	1
27	MP3B	Mx	-.02	1
28	MP3B	X	-20.779	2.5
29	MP3B	Z	35.99	2.5
30	MP3B	Mx	-.02	2.5
31	MP3A	X	-31.535	1.75
32	MP3A	Z	54.619	1.75
33	MP3A	Mx	-.016	1.75
34	MP3B	X	-29.674	1.75
35	MP3B	Z	51.397	1.75
36	MP3B	Mx	.019	1.75
37	M93A	X	-66.933	1
38	M93A	Z	115.931	1
39	M93A	Mx	0	1
40	OVP2	X	-44.083	1
41	OVP2	Z	76.355	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.569	4
2	MP3A	Z	3.216	4
3	MP3A	Mx	-.000928	4
4	MP3B	X	-4.75	4
5	MP3B	Z	2.742	4
6	MP3B	Mx	.000859	4
7	MP2A	X	-40.686	.75
8	MP2A	Z	23.49	.75
9	MP2A	Mx	.027	.75
10	MP2A	X	-40.686	2.75
11	MP2A	Z	23.49	2.75
12	MP2A	Mx	.027	2.75
13	MP2B	X	-34.628	.75
14	MP2B	Z	19.993	.75
15	MP2B	Mx	-.025	.75
16	MP2B	X	-34.628	2.75
17	MP2B	Z	19.993	2.75
18	MP2B	Mx	-.025	2.75
19	MP3A	X	-29.76	1
20	MP3A	Z	17.182	1
21	MP3A	Mx	.022	1
22	MP3A	X	-29.76	2.5
23	MP3A	Z	17.182	2.5
24	MP3A	Mx	.022	2.5
25	MP3B	X	-27.299	1
26	MP3B	Z	15.761	1
27	MP3B	Mx	-.022	1
28	MP3B	X	-27.299	2.5
29	MP3B	Z	15.761	2.5
30	MP3B	Mx	-.022	2.5
31	MP3A	X	-44.747	1.75
32	MP3A	Z	25.834	1.75
33	MP3A	Mx	-.022	1.75
34	MP3B	X	-42.12	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3B	Z	24.318	1.75
36	MP3B	Mx	.023	1.75
37	M93A	X	-96.757	1
38	M93A	Z	55.863	1
39	M93A	Mx	0	1
40	OVP2	X	-63.239	1
41	OVP2	Z	36.511	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.652	4
2	MP3A	Z	0	4
3	MP3A	Mx	-.000775	4
4	MP3B	X	-4.867	4
5	MP3B	Z	0	4
6	MP3B	Mx	.000799	4
7	MP2A	X	-33.834	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	.023	.75
10	MP2A	X	-33.834	2.75
11	MP2A	Z	0	2.75
12	MP2A	Mx	.023	2.75
13	MP2B	X	-35.419	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	-.023	.75
16	MP2B	X	-35.419	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	-.023	2.75
19	MP3A	X	-29.024	1
20	MP3A	Z	0	1
21	MP3A	Mx	.022	1
22	MP3A	X	-29.024	2.5
23	MP3A	Z	0	2.5
24	MP3A	Mx	.022	2.5
25	MP3B	X	-29.668	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.022	1
28	MP3B	X	-29.668	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	-.022	2.5
31	MP3A	X	-45.969	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	-.023	1.75
34	MP3B	X	-46.656	1.75
35	MP3B	Z	0	1.75
36	MP3B	Mx	.023	1.75
37	M93A	X	-93.678	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	-60.676	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.569	4
2	MP3A	Z	-3.216	4
3	MP3A	Mx	-.000928	4
4	MP3B	X	-6.575	4
5	MP3B	Z	-3.796	4
6	MP3B	Mx	.000969	4
7	MP2A	X	-40.686	.75
8	MP2A	Z	-23.49	.75
9	MP2A	Mx	.027	.75
10	MP2A	X	-40.686	2.75
11	MP2A	Z	-23.49	2.75
12	MP2A	Mx	.027	2.75
13	MP2B	X	-48.118	.75
14	MP2B	Z	-27.781	.75
15	MP2B	Mx	-.028	.75
16	MP2B	X	-48.118	2.75
17	MP2B	Z	-27.781	2.75
18	MP2B	Mx	-.028	2.75
19	MP3A	X	-29.76	1
20	MP3A	Z	-17.182	1
21	MP3A	Mx	.022	1
22	MP3A	X	-29.76	2.5
23	MP3A	Z	-17.182	2.5
24	MP3A	Mx	.022	2.5
25	MP3B	X	-32.778	1
26	MP3B	Z	-18.924	1
27	MP3B	Mx	-.022	1
28	MP3B	X	-32.778	2.5
29	MP3B	Z	-18.924	2.5
30	MP3B	Mx	-.022	2.5
31	MP3A	X	-44.747	1.75
32	MP3A	Z	-25.834	1.75
33	MP3A	Mx	-.022	1.75
34	MP3B	X	-47.969	1.75
35	MP3B	Z	-27.695	1.75
36	MP3B	Mx	.021	1.75
37	M93A	X	-84.67	1
38	M93A	Z	-48.884	1
39	M93A	Mx	0	1
40	OVP2	X	-54.971	1
41	OVP2	Z	-31.737	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.995	4
2	MP3A	Z	-8.651	4
3	MP3A	Mx	-.000832	4
4	MP3B	X	-5.468	4
5	MP3B	Z	-9.47	4
6	MP3B	Mx	.000623	4
7	MP2A	X	-36.637	.75
8	MP2A	Z	-63.457	.75
9	MP2A	Mx	.024	.75
10	MP2A	X	-36.637	2.75
11	MP2A	Z	-63.457	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	.024	2.75
13	MP2B	X	-40.135	.75
14	MP2B	Z	-69.516	.75
15	MP2B	Mx	-.018	.75
16	MP2B	X	-40.135	2.75
17	MP2B	Z	-69.516	2.75
18	MP2B	Mx	-.018	2.75
19	MP3A	X	-22.521	1
20	MP3A	Z	-39.008	1
21	MP3A	Mx	.017	1
22	MP3A	X	-22.521	2.5
23	MP3A	Z	-39.008	2.5
24	MP3A	Mx	.017	2.5
25	MP3B	X	-23.942	1
26	MP3B	Z	-41.468	1
27	MP3B	Mx	-.012	1
28	MP3B	X	-23.942	2.5
29	MP3B	Z	-41.468	2.5
30	MP3B	Mx	-.012	2.5
31	MP3A	X	-31.535	1.75
32	MP3A	Z	-54.619	1.75
33	MP3A	Mx	-.016	1.75
34	MP3B	X	-33.051	1.75
35	MP3B	Z	-57.246	1.75
36	MP3B	Mx	.011	1.75
37	M93A	X	-59.954	1
38	M93A	Z	-103.843	1
39	M93A	Mx	0	1
40	OVP2	X	-39.31	1
41	OVP2	Z	-68.086	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-2.723	4
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	-2.681	4
6	MP3B	Mx	-7.8e-5	4
7	MP2A	X	0	.75
8	MP2A	Z	-14.866	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	-14.866	2.75
12	MP2A	Mx	0	2.75
13	MP2B	X	0	.75
14	MP2B	Z	-14.608	.75
15	MP2B	Mx	.002	.75
16	MP2B	X	0	2.75
17	MP2B	Z	-14.608	2.75
18	MP2B	Mx	.002	2.75
19	MP3A	X	0	1
20	MP3A	Z	-8.976	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	-8.976	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	-8.869	1
27	MP3B	Mx	.001	1
28	MP3B	X	0	2.5
29	MP3B	Z	-8.869	2.5
30	MP3B	Mx	.001	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	-12.517	1.75
33	MP3A	Mx	0	1.75
34	MP3B	X	0	1.75
35	MP3B	Z	-12.401	1.75
36	MP3B	Mx	-.001	1.75
37	M93A	X	0	1
38	M93A	Z	-23.885	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	-16.156	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.188	4
2	MP3A	Z	-2.059	4
3	MP3A	Mx	.000198	4
4	MP3B	X	1.076	4
5	MP3B	Z	-1.863	4
6	MP3B	Mx	-.000231	4
7	MP2A	X	6.365	.75
8	MP2A	Z	-11.024	.75
9	MP2A	Mx	-.004	.75
10	MP2A	X	6.365	2.75
11	MP2A	Z	-11.024	2.75
12	MP2A	Mx	-.004	2.75
13	MP2B	X	5.668	.75
14	MP2B	Z	-9.817	.75
15	MP2B	Mx	.005	.75
16	MP2B	X	5.668	2.75
17	MP2B	Z	-9.817	2.75
18	MP2B	Mx	.005	2.75
19	MP3A	X	4.047	1
20	MP3A	Z	-7.01	1
21	MP3A	Mx	-.003	1
22	MP3A	X	4.047	2.5
23	MP3A	Z	-7.01	2.5
24	MP3A	Mx	-.003	2.5
25	MP3B	X	3.76	1
26	MP3B	Z	-6.512	1
27	MP3B	Mx	.004	1
28	MP3B	X	3.76	2.5
29	MP3B	Z	-6.512	2.5
30	MP3B	Mx	.004	2.5
31	MP3A	X	5.781	1.75
32	MP3A	Z	-10.013	1.75
33	MP3A	Mx	.003	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	5.47	1.75
35	MP3B	Z	-9.474	1.75
36	MP3B	Mx	-.004	1.75
37	M93A	X	11.611	1
38	M93A	Z	-20.111	1
39	M93A	Mx	0	1
40	OVP2	X	7.85	1
41	OVP2	Z	-13.597	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.459	4
2	MP3A	Z	-.842	4
3	MP3A	Mx	.000243	4
4	MP3B	X	1.299	4
5	MP3B	Z	-.75	4
6	MP3B	Mx	-.000235	4
7	MP2A	X	7.325	.75
8	MP2A	Z	-4.229	.75
9	MP2A	Mx	-.005	.75
10	MP2A	X	7.325	2.75
11	MP2A	Z	-4.229	2.75
12	MP2A	Mx	-.005	2.75
13	MP2B	X	6.341	.75
14	MP2B	Z	-3.661	.75
15	MP2B	Mx	.005	.75
16	MP2B	X	6.341	2.75
17	MP2B	Z	-3.661	2.75
18	MP2B	Mx	.005	2.75
19	MP3A	X	5.483	1
20	MP3A	Z	-3.166	1
21	MP3A	Mx	-.004	1
22	MP3A	X	5.483	2.5
23	MP3A	Z	-3.166	2.5
24	MP3A	Mx	-.004	2.5
25	MP3B	X	5.077	1
26	MP3B	Z	-2.931	1
27	MP3B	Mx	.004	1
28	MP3B	X	5.077	2.5
29	MP3B	Z	-2.931	2.5
30	MP3B	Mx	.004	2.5
31	MP3A	X	8.361	1.75
32	MP3A	Z	-4.827	1.75
33	MP3A	Mx	.004	1.75
34	MP3B	X	7.921	1.75
35	MP3B	Z	-4.573	1.75
36	MP3B	Mx	-.004	1.75
37	M93A	X	17.006	1
38	M93A	Z	-9.818	1
39	M93A	Mx	0	1
40	OVP2	X	11.459	1
41	OVP2	Z	-6.616	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.338	4
2	MP3A	Z	0	4
3	MP3A	Mx	.000223	4
4	MP3B	X	1.38	4
5	MP3B	Z	0	4
6	MP3B	Mx	-.000227	4
7	MP2A	X	6.323	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	-.004	.75
10	MP2A	X	6.323	2.75
11	MP2A	Z	0	2.75
12	MP2A	Mx	-.004	2.75
13	MP2B	X	6.58	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	.004	.75
16	MP2B	X	6.58	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	.004	2.75
19	MP3A	X	5.45	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.004	1
22	MP3A	X	5.45	2.5
23	MP3A	Z	0	2.5
24	MP3A	Mx	-.004	2.5
25	MP3B	X	5.556	1
26	MP3B	Z	0	1
27	MP3B	Mx	.004	1
28	MP3B	X	5.556	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	.004	2.5
31	MP3A	X	8.7	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	.004	1.75
34	MP3B	X	8.815	1.75
35	MP3B	Z	0	1.75
36	MP3B	Mx	-.004	1.75
37	M93A	X	16.714	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	11.22	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.459	4
2	MP3A	Z	.842	4
3	MP3A	Mx	.000243	4
4	MP3B	X	1.655	4
5	MP3B	Z	.955	4
6	MP3B	Mx	-.000244	4
7	MP2A	X	7.325	.75
8	MP2A	Z	4.229	.75
9	MP2A	Mx	-.005	.75
10	MP2A	X	7.325	2.75
11	MP2A	Z	4.229	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	-.005	2.75
13	MP2B	X	8.532	.75
14	MP2B	Z	4.926	.75
15	MP2B	Mx	.005	.75
16	MP2B	X	8.532	2.75
17	MP2B	Z	4.926	2.75
18	MP2B	Mx	.005	2.75
19	MP3A	X	5.483	1
20	MP3A	Z	3.166	1
21	MP3A	Mx	-.004	1
22	MP3A	X	5.483	2.5
23	MP3A	Z	3.166	2.5
24	MP3A	Mx	-.004	2.5
25	MP3B	X	5.981	1
26	MP3B	Z	3.453	1
27	MP3B	Mx	.004	1
28	MP3B	X	5.981	2.5
29	MP3B	Z	3.453	2.5
30	MP3B	Mx	.004	2.5
31	MP3A	X	8.361	1.75
32	MP3A	Z	4.827	1.75
33	MP3A	Mx	.004	1.75
34	MP3B	X	8.9	1.75
35	MP3B	Z	5.139	1.75
36	MP3B	Mx	-.004	1.75
37	M93A	X	15.048	1
38	M93A	Z	8.688	1
39	M93A	Mx	0	1
40	OVP2	X	10.112	1
41	OVP2	Z	5.838	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.188	4
2	MP3A	Z	2.059	4
3	MP3A	Mx	.000198	4
4	MP3B	X	1.281	4
5	MP3B	Z	2.218	4
6	MP3B	Mx	-.000146	4
7	MP2A	X	6.365	.75
8	MP2A	Z	11.024	.75
9	MP2A	Mx	-.004	.75
10	MP2A	X	6.365	2.75
11	MP2A	Z	11.024	2.75
12	MP2A	Mx	-.004	2.75
13	MP2B	X	6.933	.75
14	MP2B	Z	12.009	.75
15	MP2B	Mx	.003	.75
16	MP2B	X	6.933	2.75
17	MP2B	Z	12.009	2.75
18	MP2B	Mx	.003	2.75
19	MP3A	X	4.047	1
20	MP3A	Z	7.01	1
21	MP3A	Mx	-.003	1
22	MP3A	X	4.047	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	7.01	2.5
24	MP3A	Mx	-.003	2.5
25	MP3B	X	4.282	1
26	MP3B	Z	7.416	1
27	MP3B	Mx	.002	1
28	MP3B	X	4.282	2.5
29	MP3B	Z	7.416	2.5
30	MP3B	Mx	.002	2.5
31	MP3A	X	5.781	1.75
32	MP3A	Z	10.013	1.75
33	MP3A	Mx	.003	1.75
34	MP3B	X	6.035	1.75
35	MP3B	Z	10.453	1.75
36	MP3B	Mx	-.002	1.75
37	M93A	X	10.481	1
38	M93A	Z	18.154	1
39	M93A	Mx	0	1
40	OVP2	X	7.072	1
41	OVP2	Z	12.249	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	2.723	4
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	2.681	4
6	MP3B	Mx	7.8e-5	4
7	MP2A	X	0	.75
8	MP2A	Z	14.866	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	14.866	2.75
12	MP2A	Mx	0	2.75
13	MP2B	X	0	.75
14	MP2B	Z	14.608	.75
15	MP2B	Mx	-.002	.75
16	MP2B	X	0	2.75
17	MP2B	Z	14.608	2.75
18	MP2B	Mx	-.002	2.75
19	MP3A	X	0	1
20	MP3A	Z	8.976	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5
23	MP3A	Z	8.976	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	8.869	1
27	MP3B	Mx	-.001	1
28	MP3B	X	0	2.5
29	MP3B	Z	8.869	2.5
30	MP3B	Mx	-.001	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	12.517	1.75
33	MP3A	Mx	0	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	0	1.75
35	MP3B	Z	12.401	1.75
36	MP3B	Mx	.001	1.75
37	M93A	X	0	1
38	M93A	Z	23.885	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	16.156	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.188	4
2	MP3A	Z	2.059	4
3	MP3A	Mx	-.000198	4
4	MP3B	X	-1.076	4
5	MP3B	Z	1.863	4
6	MP3B	Mx	.000231	4
7	MP2A	X	-6.365	.75
8	MP2A	Z	11.024	.75
9	MP2A	Mx	.004	.75
10	MP2A	X	-6.365	2.75
11	MP2A	Z	11.024	2.75
12	MP2A	Mx	.004	2.75
13	MP2B	X	-5.668	.75
14	MP2B	Z	9.817	.75
15	MP2B	Mx	-.005	.75
16	MP2B	X	-5.668	2.75
17	MP2B	Z	9.817	2.75
18	MP2B	Mx	-.005	2.75
19	MP3A	X	-4.047	1
20	MP3A	Z	7.01	1
21	MP3A	Mx	.003	1
22	MP3A	X	-4.047	2.5
23	MP3A	Z	7.01	2.5
24	MP3A	Mx	.003	2.5
25	MP3B	X	-3.76	1
26	MP3B	Z	6.512	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-3.76	2.5
29	MP3B	Z	6.512	2.5
30	MP3B	Mx	-.004	2.5
31	MP3A	X	-5.781	1.75
32	MP3A	Z	10.013	1.75
33	MP3A	Mx	-.003	1.75
34	MP3B	X	-5.47	1.75
35	MP3B	Z	9.474	1.75
36	MP3B	Mx	.004	1.75
37	M93A	X	-11.611	1
38	M93A	Z	20.111	1
39	M93A	Mx	0	1
40	OVP2	X	-7.85	1
41	OVP2	Z	13.597	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.459	4
2	MP3A	Z	.842	4
3	MP3A	Mx	-.000243	4
4	MP3B	X	-1.299	4
5	MP3B	Z	.75	4
6	MP3B	Mx	.000235	4
7	MP2A	X	-7.325	.75
8	MP2A	Z	4.229	.75
9	MP2A	Mx	.005	.75
10	MP2A	X	-7.325	2.75
11	MP2A	Z	4.229	2.75
12	MP2A	Mx	.005	2.75
13	MP2B	X	-6.341	.75
14	MP2B	Z	3.661	.75
15	MP2B	Mx	-.005	.75
16	MP2B	X	-6.341	2.75
17	MP2B	Z	3.661	2.75
18	MP2B	Mx	-.005	2.75
19	MP3A	X	-5.483	1
20	MP3A	Z	3.166	1
21	MP3A	Mx	.004	1
22	MP3A	X	-5.483	2.5
23	MP3A	Z	3.166	2.5
24	MP3A	Mx	.004	2.5
25	MP3B	X	-5.077	1
26	MP3B	Z	2.931	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-5.077	2.5
29	MP3B	Z	2.931	2.5
30	MP3B	Mx	-.004	2.5
31	MP3A	X	-8.361	1.75
32	MP3A	Z	4.827	1.75
33	MP3A	Mx	-.004	1.75
34	MP3B	X	-7.921	1.75
35	MP3B	Z	4.573	1.75
36	MP3B	Mx	.004	1.75
37	M93A	X	-17.006	1
38	M93A	Z	9.818	1
39	M93A	Mx	0	1
40	OVP2	X	-11.459	1
41	OVP2	Z	6.616	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.338	4
2	MP3A	Z	0	4
3	MP3A	Mx	-.000223	4
4	MP3B	X	-1.38	4
5	MP3B	Z	0	4
6	MP3B	Mx	.000227	4
7	MP2A	X	-6.323	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	.004	.75
10	MP2A	X	-6.323	2.75
11	MP2A	Z	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	.004	2.75
13	MP2B	X	-6.58	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	-.004	.75
16	MP2B	X	-6.58	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	-.004	2.75
19	MP3A	X	-5.45	1
20	MP3A	Z	0	1
21	MP3A	Mx	.004	1
22	MP3A	X	-5.45	2.5
23	MP3A	Z	0	2.5
24	MP3A	Mx	.004	2.5
25	MP3B	X	-5.556	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-5.556	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	-.004	2.5
31	MP3A	X	-8.7	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	-.004	1.75
34	MP3B	X	-8.815	1.75
35	MP3B	Z	0	1.75
36	MP3B	Mx	.004	1.75
37	M93A	X	-16.714	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	-11.22	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.459	4
2	MP3A	Z	-.842	4
3	MP3A	Mx	-.000243	4
4	MP3B	X	-1.655	4
5	MP3B	Z	-.955	4
6	MP3B	Mx	.000244	4
7	MP2A	X	-7.325	.75
8	MP2A	Z	-4.229	.75
9	MP2A	Mx	.005	.75
10	MP2A	X	-7.325	2.75
11	MP2A	Z	-4.229	2.75
12	MP2A	Mx	.005	2.75
13	MP2B	X	-8.532	.75
14	MP2B	Z	-4.926	.75
15	MP2B	Mx	-.005	.75
16	MP2B	X	-8.532	2.75
17	MP2B	Z	-4.926	2.75
18	MP2B	Mx	-.005	2.75
19	MP3A	X	-5.483	1
20	MP3A	Z	-3.166	1
21	MP3A	Mx	.004	1
22	MP3A	X	-5.483	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	-3.166	2.5
24	MP3A	Mx	.004	2.5
25	MP3B	X	-5.981	1
26	MP3B	Z	-3.453	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-5.981	2.5
29	MP3B	Z	-3.453	2.5
30	MP3B	Mx	-.004	2.5
31	MP3A	X	-8.361	1.75
32	MP3A	Z	-4.827	1.75
33	MP3A	Mx	-.004	1.75
34	MP3B	X	-8.9	1.75
35	MP3B	Z	-5.139	1.75
36	MP3B	Mx	.004	1.75
37	M93A	X	-15.048	1
38	M93A	Z	-8.688	1
39	M93A	Mx	0	1
40	OVP2	X	-10.112	1
41	OVP2	Z	-5.838	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.188	4
2	MP3A	Z	-2.059	4
3	MP3A	Mx	-.000198	4
4	MP3B	X	-1.281	4
5	MP3B	Z	-2.218	4
6	MP3B	Mx	.000146	4
7	MP2A	X	-6.365	.75
8	MP2A	Z	-11.024	.75
9	MP2A	Mx	.004	.75
10	MP2A	X	-6.365	2.75
11	MP2A	Z	-11.024	2.75
12	MP2A	Mx	.004	2.75
13	MP2B	X	-6.933	.75
14	MP2B	Z	-12.009	.75
15	MP2B	Mx	-.003	.75
16	MP2B	X	-6.933	2.75
17	MP2B	Z	-12.009	2.75
18	MP2B	Mx	-.003	2.75
19	MP3A	X	-4.047	1
20	MP3A	Z	-7.01	1
21	MP3A	Mx	.003	1
22	MP3A	X	-4.047	2.5
23	MP3A	Z	-7.01	2.5
24	MP3A	Mx	.003	2.5
25	MP3B	X	-4.282	1
26	MP3B	Z	-7.416	1
27	MP3B	Mx	-.002	1
28	MP3B	X	-4.282	2.5
29	MP3B	Z	-7.416	2.5
30	MP3B	Mx	-.002	2.5
31	MP3A	X	-5.781	1.75
32	MP3A	Z	-10.013	1.75
33	MP3A	Mx	-.003	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	-6.035	1.75
35	MP3B	Z	-10.453	1.75
36	MP3B	Mx	.002	1.75
37	M93A	X	-10.481	1
38	M93A	Z	-18.154	1
39	M93A	Mx	0	1
40	OVP2	X	-7.072	1
41	OVP2	Z	-12.249	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	-.646	4
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	-.635	4
6	MP3B	Mx	-1.8e-5	4
7	MP2A	X	0	.75
8	MP2A	Z	-4.747	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	-4.747	2.75
12	MP2A	Mx	0	2.75
13	MP2B	X	0	.75
14	MP2B	Z	-4.66	.75
15	MP2B	Mx	.000539	.75
16	MP2B	X	0	2.75
17	MP2B	Z	-4.66	2.75
18	MP2B	Mx	.000539	2.75
19	MP3A	X	0	1
20	MP3A	Z	-2.768	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5
23	MP3A	Z	-2.768	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	-2.732	1
27	MP3B	Mx	.000356	1
28	MP3B	X	0	2.5
29	MP3B	Z	-2.732	2.5
30	MP3B	Mx	.000356	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	-3.778	1.75
33	MP3A	Mx	0	1.75
34	MP3B	X	0	1.75
35	MP3B	Z	-3.74	1.75
36	MP3B	Mx	-.000325	1.75
37	M93A	X	0	1
38	M93A	Z	-7.578	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	-4.997	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.274	4
2	MP3A	Z	-.475	4
3	MP3A	Mx	4.6e-5	4
4	MP3B	X	.242	4
5	MP3B	Z	-.42	4
6	MP3B	Mx	-5.2e-5	4
7	MP2A	X	2.013	.75
8	MP2A	Z	-3.486	.75
9	MP2A	Mx	-.001	.75
10	MP2A	X	2.013	2.75
11	MP2A	Z	-3.486	2.75
12	MP2A	Mx	-.001	2.75
13	MP2B	X	1.777	.75
14	MP2B	Z	-3.078	.75
15	MP2B	Mx	.002	.75
16	MP2B	X	1.777	2.75
17	MP2B	Z	-3.078	2.75
18	MP2B	Mx	.002	2.75
19	MP3A	X	1.237	1
20	MP3A	Z	-2.143	1
21	MP3A	Mx	-.000928	1
22	MP3A	X	1.237	2.5
23	MP3A	Z	-2.143	2.5
24	MP3A	Mx	-.000928	2.5
25	MP3B	X	1.141	1
26	MP3B	Z	-1.977	1
27	MP3B	Mx	.001	1
28	MP3B	X	1.141	2.5
29	MP3B	Z	-1.977	2.5
30	MP3B	Mx	.001	2.5
31	MP3A	X	1.732	1.75
32	MP3A	Z	-3	1.75
33	MP3A	Mx	.000866	1.75
34	MP3B	X	1.63	1.75
35	MP3B	Z	-2.823	1.75
36	MP3B	Mx	-.001	1.75
37	M93A	X	3.677	1
38	M93A	Z	-6.368	1
39	M93A	Mx	0	1
40	OVP2	X	2.422	1
41	OVP2	Z	-4.194	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.306	4
2	MP3A	Z	-.177	4
3	MP3A	Mx	5.1e-5	4
4	MP3B	X	.261	4
5	MP3B	Z	-.151	4
6	MP3B	Mx	-4.7e-5	4
7	MP2A	X	2.235	.75
8	MP2A	Z	-1.29	.75
9	MP2A	Mx	-.001	.75
10	MP2A	X	2.235	2.75
11	MP2A	Z	-1.29	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	-.001	2.75
13	MP2B	X	1.902	.75
14	MP2B	Z	-1.098	.75
15	MP2B	Mx	.001	.75
16	MP2B	X	1.902	2.75
17	MP2B	Z	-1.098	2.75
18	MP2B	Mx	.001	2.75
19	MP3A	X	1.635	1
20	MP3A	Z	-.944	1
21	MP3A	Mx	-.001	1
22	MP3A	X	1.635	2.5
23	MP3A	Z	-.944	2.5
24	MP3A	Mx	-.001	2.5
25	MP3B	X	1.5	1
26	MP3B	Z	-.866	1
27	MP3B	Mx	.001	1
28	MP3B	X	1.5	2.5
29	MP3B	Z	-.866	2.5
30	MP3B	Mx	.001	2.5
31	MP3A	X	2.458	1.75
32	MP3A	Z	-1.419	1.75
33	MP3A	Mx	.001	1.75
34	MP3B	X	2.314	1.75
35	MP3B	Z	-1.336	1.75
36	MP3B	Mx	-.001	1.75
37	M93A	X	5.315	1
38	M93A	Z	-3.069	1
39	M93A	Mx	0	1
40	OVP2	X	3.474	1
41	OVP2	Z	-2.006	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.256	4
2	MP3A	Z	0	4
3	MP3A	Mx	4.3e-5	4
4	MP3B	X	.267	4
5	MP3B	Z	0	4
6	MP3B	Mx	-4.4e-5	4
7	MP2A	X	1.859	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	-.001	.75
10	MP2A	X	1.859	2.75
11	MP2A	Z	0	2.75
12	MP2A	Mx	-.001	2.75
13	MP2B	X	1.946	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	.001	.75
16	MP2B	X	1.946	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	.001	2.75
19	MP3A	X	1.594	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.001	1
22	MP3A	X	1.594	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	0	2.5
24	MP3A	Mx	-.001	2.5
25	MP3B	X	1.63	1
26	MP3B	Z	0	1
27	MP3B	Mx	.001	1
28	MP3B	X	1.63	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	.001	2.5
31	MP3A	X	2.525	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	.001	1.75
34	MP3B	X	2.563	1.75
35	MP3B	Z	0	1.75
36	MP3B	Mx	-.001	1.75
37	M93A	X	5.146	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	3.333	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.306	4
2	MP3A	Z	.177	4
3	MP3A	Mx	5.1e-5	4
4	MP3B	X	.361	4
5	MP3B	Z	.209	4
6	MP3B	Mx	-5.3e-5	4
7	MP2A	X	2.235	.75
8	MP2A	Z	1.29	.75
9	MP2A	Mx	-.001	.75
10	MP2A	X	2.235	2.75
11	MP2A	Z	1.29	2.75
12	MP2A	Mx	-.001	2.75
13	MP2B	X	2.643	.75
14	MP2B	Z	1.526	.75
15	MP2B	Mx	.002	.75
16	MP2B	X	2.643	2.75
17	MP2B	Z	1.526	2.75
18	MP2B	Mx	.002	2.75
19	MP3A	X	1.635	1
20	MP3A	Z	.944	1
21	MP3A	Mx	-.001	1
22	MP3A	X	1.635	2.5
23	MP3A	Z	.944	2.5
24	MP3A	Mx	-.001	2.5
25	MP3B	X	1.801	1
26	MP3B	Z	1.04	1
27	MP3B	Mx	.001	1
28	MP3B	X	1.801	2.5
29	MP3B	Z	1.04	2.5
30	MP3B	Mx	.001	2.5
31	MP3A	X	2.458	1.75
32	MP3A	Z	1.419	1.75
33	MP3A	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	2.635	1.75
35	MP3B	Z	1.521	1.75
36	MP3B	Mx	-.001	1.75
37	M93A	X	4.651	1
38	M93A	Z	2.685	1
39	M93A	Mx	0	1
40	OVP2	X	3.02	1
41	OVP2	Z	1.743	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.274	4
2	MP3A	Z	.475	4
3	MP3A	Mx	4.6e-5	4
4	MP3B	X	.3	4
5	MP3B	Z	.52	4
6	MP3B	Mx	-3.4e-5	4
7	MP2A	X	2.013	.75
8	MP2A	Z	3.486	.75
9	MP2A	Mx	-.001	.75
10	MP2A	X	2.013	2.75
11	MP2A	Z	3.486	2.75
12	MP2A	Mx	-.001	2.75
13	MP2B	X	2.205	.75
14	MP2B	Z	3.819	.75
15	MP2B	Mx	.001	.75
16	MP2B	X	2.205	2.75
17	MP2B	Z	3.819	2.75
18	MP2B	Mx	.001	2.75
19	MP3A	X	1.237	1
20	MP3A	Z	2.143	1
21	MP3A	Mx	-.000928	1
22	MP3A	X	1.237	2.5
23	MP3A	Z	2.143	2.5
24	MP3A	Mx	-.000928	2.5
25	MP3B	X	1.315	1
26	MP3B	Z	2.278	1
27	MP3B	Mx	.000675	1
28	MP3B	X	1.315	2.5
29	MP3B	Z	2.278	2.5
30	MP3B	Mx	.000675	2.5
31	MP3A	X	1.732	1.75
32	MP3A	Z	3	1.75
33	MP3A	Mx	.000866	1.75
34	MP3B	X	1.816	1.75
35	MP3B	Z	3.145	1.75
36	MP3B	Mx	-.000621	1.75
37	M93A	X	3.293	1
38	M93A	Z	5.704	1
39	M93A	Mx	0	1
40	OVP2	X	2.159	1
41	OVP2	Z	3.74	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	4
2	MP3A	Z	.646	4
3	MP3A	Mx	0	4
4	MP3B	X	0	4
5	MP3B	Z	.635	4
6	MP3B	Mx	1.8e-5	4
7	MP2A	X	0	.75
8	MP2A	Z	4.747	.75
9	MP2A	Mx	0	.75
10	MP2A	X	0	2.75
11	MP2A	Z	4.747	2.75
12	MP2A	Mx	0	2.75
13	MP2B	X	0	.75
14	MP2B	Z	4.66	.75
15	MP2B	Mx	-.000539	.75
16	MP2B	X	0	2.75
17	MP2B	Z	4.66	2.75
18	MP2B	Mx	-.000539	2.75
19	MP3A	X	0	1
20	MP3A	Z	2.768	1
21	MP3A	Mx	0	1
22	MP3A	X	0	2.5
23	MP3A	Z	2.768	2.5
24	MP3A	Mx	0	2.5
25	MP3B	X	0	1
26	MP3B	Z	2.732	1
27	MP3B	Mx	-.000356	1
28	MP3B	X	0	2.5
29	MP3B	Z	2.732	2.5
30	MP3B	Mx	-.000356	2.5
31	MP3A	X	0	1.75
32	MP3A	Z	3.778	1.75
33	MP3A	Mx	0	1.75
34	MP3B	X	0	1.75
35	MP3B	Z	3.74	1.75
36	MP3B	Mx	.000325	1.75
37	M93A	X	0	1
38	M93A	Z	7.578	1
39	M93A	Mx	0	1
40	OVP2	X	0	1
41	OVP2	Z	4.997	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.274	4
2	MP3A	Z	.475	4
3	MP3A	Mx	-4.6e-5	4
4	MP3B	X	-.242	4
5	MP3B	Z	.42	4
6	MP3B	Mx	5.2e-5	4
7	MP2A	X	-2.013	.75
8	MP2A	Z	3.486	.75
9	MP2A	Mx	.001	.75
10	MP2A	X	-2.013	2.75
11	MP2A	Z	3.486	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mx	.001	2.75
13	MP2B	X	-1.777	.75
14	MP2B	Z	3.078	.75
15	MP2B	Mx	-.002	.75
16	MP2B	X	-1.777	2.75
17	MP2B	Z	3.078	2.75
18	MP2B	Mx	-.002	2.75
19	MP3A	X	-1.237	1
20	MP3A	Z	2.143	1
21	MP3A	Mx	.000928	1
22	MP3A	X	-1.237	2.5
23	MP3A	Z	2.143	2.5
24	MP3A	Mx	.000928	2.5
25	MP3B	X	-1.141	1
26	MP3B	Z	1.977	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-1.141	2.5
29	MP3B	Z	1.977	2.5
30	MP3B	Mx	-.001	2.5
31	MP3A	X	-1.732	1.75
32	MP3A	Z	3	1.75
33	MP3A	Mx	-.000866	1.75
34	MP3B	X	-1.63	1.75
35	MP3B	Z	2.823	1.75
36	MP3B	Mx	.001	1.75
37	M93A	X	-3.677	1
38	M93A	Z	6.368	1
39	M93A	Mx	0	1
40	OVP2	X	-2.422	1
41	OVP2	Z	4.194	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.306	4
2	MP3A	Z	.177	4
3	MP3A	Mx	-5.1e-5	4
4	MP3B	X	-.261	4
5	MP3B	Z	.151	4
6	MP3B	Mx	4.7e-5	4
7	MP2A	X	-2.235	.75
8	MP2A	Z	1.29	.75
9	MP2A	Mx	.001	.75
10	MP2A	X	-2.235	2.75
11	MP2A	Z	1.29	2.75
12	MP2A	Mx	.001	2.75
13	MP2B	X	-1.902	.75
14	MP2B	Z	1.098	.75
15	MP2B	Mx	-.001	.75
16	MP2B	X	-1.902	2.75
17	MP2B	Z	1.098	2.75
18	MP2B	Mx	-.001	2.75
19	MP3A	X	-1.635	1
20	MP3A	Z	.944	1
21	MP3A	Mx	.001	1
22	MP3A	X	-1.635	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	.944	2.5
24	MP3A	Mx	.001	2.5
25	MP3B	X	-1.5	1
26	MP3B	Z	.866	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-1.5	2.5
29	MP3B	Z	.866	2.5
30	MP3B	Mx	-.001	2.5
31	MP3A	X	-2.458	1.75
32	MP3A	Z	1.419	1.75
33	MP3A	Mx	-.001	1.75
34	MP3B	X	-2.314	1.75
35	MP3B	Z	1.336	1.75
36	MP3B	Mx	.001	1.75
37	M93A	X	-5.315	1
38	M93A	Z	3.069	1
39	M93A	Mx	0	1
40	OVP2	X	-3.474	1
41	OVP2	Z	2.006	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.256	4
2	MP3A	Z	0	4
3	MP3A	Mx	-4.3e-5	4
4	MP3B	X	-.267	4
5	MP3B	Z	0	4
6	MP3B	Mx	4.4e-5	4
7	MP2A	X	-1.859	.75
8	MP2A	Z	0	.75
9	MP2A	Mx	.001	.75
10	MP2A	X	-1.859	2.75
11	MP2A	Z	0	2.75
12	MP2A	Mx	.001	2.75
13	MP2B	X	-1.946	.75
14	MP2B	Z	0	.75
15	MP2B	Mx	-.001	.75
16	MP2B	X	-1.946	2.75
17	MP2B	Z	0	2.75
18	MP2B	Mx	-.001	2.75
19	MP3A	X	-1.594	1
20	MP3A	Z	0	1
21	MP3A	Mx	.001	1
22	MP3A	X	-1.594	2.5
23	MP3A	Z	0	2.5
24	MP3A	Mx	.001	2.5
25	MP3B	X	-1.63	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-1.63	2.5
29	MP3B	Z	0	2.5
30	MP3B	Mx	-.001	2.5
31	MP3A	X	-2.525	1.75
32	MP3A	Z	0	1.75
33	MP3A	Mx	-.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3B	X	-2.563	1.75
35	MP3B	Z	0	1.75
36	MP3B	Mx	.001	1.75
37	M93A	X	-5.146	1
38	M93A	Z	0	1
39	M93A	Mx	0	1
40	OVP2	X	-3.333	1
41	OVP2	Z	0	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.306	4
2	MP3A	Z	-.177	4
3	MP3A	Mx	-5.1e-5	4
4	MP3B	X	-.361	4
5	MP3B	Z	-.209	4
6	MP3B	Mx	5.3e-5	4
7	MP2A	X	-2.235	.75
8	MP2A	Z	-1.29	.75
9	MP2A	Mx	.001	.75
10	MP2A	X	-2.235	2.75
11	MP2A	Z	-1.29	2.75
12	MP2A	Mx	.001	2.75
13	MP2B	X	-2.643	.75
14	MP2B	Z	-1.526	.75
15	MP2B	Mx	-.002	.75
16	MP2B	X	-2.643	2.75
17	MP2B	Z	-1.526	2.75
18	MP2B	Mx	-.002	2.75
19	MP3A	X	-1.635	1
20	MP3A	Z	-.944	1
21	MP3A	Mx	.001	1
22	MP3A	X	-1.635	2.5
23	MP3A	Z	-.944	2.5
24	MP3A	Mx	.001	2.5
25	MP3B	X	-1.801	1
26	MP3B	Z	-1.04	1
27	MP3B	Mx	-.001	1
28	MP3B	X	-1.801	2.5
29	MP3B	Z	-1.04	2.5
30	MP3B	Mx	-.001	2.5
31	MP3A	X	-2.458	1.75
32	MP3A	Z	-1.419	1.75
33	MP3A	Mx	-.001	1.75
34	MP3B	X	-2.635	1.75
35	MP3B	Z	-1.521	1.75
36	MP3B	Mx	.001	1.75
37	M93A	X	-4.651	1
38	M93A	Z	-2.685	1
39	M93A	Mx	0	1
40	OVP2	X	-3.02	1
41	OVP2	Z	-1.743	1
42	OVP2	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.274	4
2	MP3A	Z	-.475	4
3	MP3A	Mx	-4.6e-5	4
4	MP3B	X	-.3	4
5	MP3B	Z	-.52	4
6	MP3B	Mx	3.4e-5	4
7	MP2A	X	-2.013	.75
8	MP2A	Z	-3.486	.75
9	MP2A	Mx	.001	.75
10	MP2A	X	-2.013	2.75
11	MP2A	Z	-3.486	2.75
12	MP2A	Mx	.001	2.75
13	MP2B	X	-2.205	.75
14	MP2B	Z	-3.819	.75
15	MP2B	Mx	-.001	.75
16	MP2B	X	-2.205	2.75
17	MP2B	Z	-3.819	2.75
18	MP2B	Mx	-.001	2.75
19	MP3A	X	-1.237	1
20	MP3A	Z	-2.143	1
21	MP3A	Mx	.000928	1
22	MP3A	X	-1.237	2.5
23	MP3A	Z	-2.143	2.5
24	MP3A	Mx	.000928	2.5
25	MP3B	X	-1.315	1
26	MP3B	Z	-2.278	1
27	MP3B	Mx	-.000675	1
28	MP3B	X	-1.315	2.5
29	MP3B	Z	-2.278	2.5
30	MP3B	Mx	-.000675	2.5
31	MP3A	X	-1.732	1.75
32	MP3A	Z	-3	1.75
33	MP3A	Mx	-.000866	1.75
34	MP3B	X	-1.816	1.75
35	MP3B	Z	-3.145	1.75
36	MP3B	Mx	.000621	1.75
37	M93A	X	-3.293	1
38	M93A	Z	-5.704	1
39	M93A	Mx	0	1
40	OVP2	X	-2.159	1
41	OVP2	Z	-3.74	1
42	OVP2	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%67

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%34

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,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	Y	-7.527	-7.527	0	%100
2	M109	Y	-7.527	-7.527	0	%100
3	M21	Y	-5.486	-5.486	0	%100
4	MP3A	Y	-4.858	-4.858	0	%100
5	M1	Y	-6.416	-6.416	0	%100
6	M19	Y	-6.416	-6.416	0	%100
7	M10	Y	-9.894	-9.894	0	%100
8	M49A	Y	-5.738	-5.738	0	%100
9	M50	Y	-9.894	-9.894	0	%100
10	M61A	Y	-5.738	-5.738	0	%100
11	M62A	Y	-9.894	-9.894	0	%100
12	M34	Y	-5.486	-5.486	0	%100
13	M76A	Y	-9.894	-9.894	0	%100
14	M82A	Y	-9.894	-9.894	0	%100
15	OVP2	Y	-4.858	-4.858	0	%100
16	MP2A	Y	-4.858	-4.858	0	%100
17	M32A	Y	-7.527	-7.527	0	%100
18	M33	Y	-7.527	-7.527	0	%100
19	M34B	Y	-5.486	-5.486	0	%100
20	M35B	Y	-6.416	-6.416	0	%100
21	M36A	Y	-9.894	-9.894	0	%100
22	M37	Y	-5.738	-5.738	0	%100
23	M38	Y	-9.894	-9.894	0	%100
24	M41	Y	-5.738	-5.738	0	%100
25	M42	Y	-9.894	-9.894	0	%100
26	M46	Y	-5.486	-5.486	0	%100
27	M52A	Y	-9.894	-9.894	0	%100
28	M54	Y	-9.894	-9.894	0	%100
29	M58	Y	-7.527	-7.527	0	%100
30	M59	Y	-7.527	-7.527	0	%100
31	M60	Y	-5.486	-5.486	0	%100
32	M61	Y	-6.416	-6.416	0	%100
33	M62	Y	-9.894	-9.894	0	%100
34	M63	Y	-5.738	-5.738	0	%100
35	M64	Y	-9.894	-9.894	0	%100
36	M67	Y	-5.738	-5.738	0	%100
37	M68	Y	-9.894	-9.894	0	%100
38	M72	Y	-5.486	-5.486	0	%100
39	M78	Y	-9.894	-9.894	0	%100
40	M80	Y	-9.894	-9.894	0	%100
41	M85	Y	-6.416	-6.416	0	%100
42	MP3B	Y	-4.858	-4.858	0	%100
43	M90	Y	-6.416	-6.416	0	%100
44	MP2B	Y	-4.858	-4.858	0	%100
45	M93A	Y	-4.858	-4.858	0	%100
46	M90A	Y	-5.55	-5.55	0	%100
47	M93B	Y	-5.55	-5.55	0	%100
48	M94	Y	-5.55	-5.55	0	%100
49	MP3C	Y	-4.858	-4.858	0	%100
50	MP2C	Y	-4.858	-4.858	0	%100
51	M109A	Y	-7.444	-7.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M110	Y	-7.444	-7.444	0	%100
53	M111	Y	-7.444	-7.444	0	%100
54	MP4A	Y	-4.858	-4.858	0	%100
55	MP1A	Y	-4.858	-4.858	0	%100
56	MP4C	Y	-4.858	-4.858	0	%100
57	MP1C	Y	-4.858	-4.858	0	%100
58	MP4B	Y	-4.858	-4.858	0	%100
59	MP1B	Y	-4.858	-4.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-17.094	-17.094	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	-17.094	-17.094	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-3.03	-3.03	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-8.734	-8.734	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	-12.871	-12.871	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-22.065	-22.065	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	-11.032	-11.032	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	-5.649	-5.649	0	%100
19	M61A	X	0	0	0	%100
20	M61A	Z	-11.032	-11.032	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	-5.649	-5.649	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	-3.03	-3.03	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	-5.516	-5.516	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	-5.516	-5.516	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	-7.142	-7.142	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-8.734	-8.734	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	-4.273	-4.273	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-4.273	-4.273	0	%100
37	M34B	X	0	0	0	%100
38	M34B	Z	-11.689	-11.689	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	-8.274	-8.274	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	-5.516	-5.516	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-2.813	-2.813	0	%100
45	M38	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M38	Z	-5.385	-5.385	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-2.703	-2.703	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-22.064	-22.064	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-2.816	-2.816	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	-5.516	-5.516	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	-22.065	-22.065	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	-4.273	-4.273	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-4.273	-4.273	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-2.816	-2.816	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-8.274	-8.274	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-5.516	-5.516	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	-2.703	-2.703	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-22.064	-22.064	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-2.813	-2.813	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-5.385	-5.385	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-11.689	-11.689	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	-22.065	-22.065	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-5.516	-5.516	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	-3.218	-3.218	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-8.734	-8.734	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	-3.218	-3.218	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-8.734	-8.734	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	-7.142	-7.142	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	-10.573	-10.573	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	-2.643	-2.643	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-2.643	-2.643	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-8.734	-8.734	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-8.734	-8.734	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	-3.062	-3.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	0	0	0	%100
104	M110	Z	-3.062	-3.062	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-12.249	-12.249	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	-8.734	-8.734	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	-8.734	-8.734	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	-8.734	-8.734	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-8.734	-8.734	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-8.734	-8.734	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	-8.734	-8.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	6.41	6.41	0	%100
2	M20	Z	-11.103	-11.103	0	%100
3	M109	X	6.41	6.41	0	%100
4	M109	Z	-11.103	-11.103	0	%100
5	M21	X	.000651	.000651	0	%100
6	M21	Z	-.001	-.001	0	%100
7	MP3A	X	4.367	4.367	0	%100
8	MP3A	Z	-7.564	-7.564	0	%100
9	M1	X	4.827	4.827	0	%100
10	M1	Z	-8.36	-8.36	0	%100
11	M19	X	1.379	1.379	0	%100
12	M19	Z	-2.389	-2.389	0	%100
13	M10	X	8.274	8.274	0	%100
14	M10	Z	-14.332	-14.332	0	%100
15	M49A	X	4.11	4.11	0	%100
16	M49A	Z	-7.118	-7.118	0	%100
17	M50	X	8.34	8.34	0	%100
18	M50	Z	-14.446	-14.446	0	%100
19	M61A	X	4.165	4.165	0	%100
20	M61A	Z	-7.213	-7.213	0	%100
21	M62A	X	.000527	.000527	0	%100
22	M62A	Z	-.000913	-.000913	0	%100
23	M34	X	4.437	4.437	0	%100
24	M34	Z	-7.685	-7.685	0	%100
25	M76A	X	8.274	8.274	0	%100
26	M76A	Z	-14.332	-14.332	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	3.571	3.571	0	%100
30	OVP2	Z	-6.185	-6.185	0	%100
31	MP2A	X	4.367	4.367	0	%100
32	MP2A	Z	-7.564	-7.564	0	%100
33	M32A	X	6.41	6.41	0	%100
34	M32A	Z	-11.103	-11.103	0	%100
35	M33	X	6.41	6.41	0	%100
36	M33	Z	-11.103	-11.103	0	%100
37	M34B	X	4.437	4.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	M34B	Z	-7.685	-7.685	0	%100
39	M35B	X	1.379	1.379	0	%100
40	M35B	Z	-2.389	-2.389	0	%100
41	M36A	X	8.274	8.274	0	%100
42	M36A	Z	-14.332	-14.332	0	%100
43	M37	X	4.165	4.165	0	%100
44	M37	Z	-7.213	-7.213	0	%100
45	M38	X	.000527	.000527	0	%100
46	M38	Z	-.000913	-.000913	0	%100
47	M41	X	4.11	4.11	0	%100
48	M41	Z	-7.118	-7.118	0	%100
49	M42	X	8.34	8.34	0	%100
50	M42	Z	-14.446	-14.446	0	%100
51	M46	X	.000651	.000651	0	%100
52	M46	Z	-.001	-.001	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	8.274	8.274	0	%100
56	M54	Z	-14.332	-14.332	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	4.33	4.33	0	%100
62	M60	Z	-7.5	-7.5	0	%100
63	M61	X	5.516	5.516	0	%100
64	M61	Z	-9.554	-9.554	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	.000183	.000183	0	%100
68	M63	Z	-.000317	-.000317	0	%100
69	M64	X	8.208	8.208	0	%100
70	M64	Z	-14.217	-14.217	0	%100
71	M67	X	.000183	.000183	0	%100
72	M67	Z	-.000317	-.000317	0	%100
73	M68	X	8.208	8.208	0	%100
74	M68	Z	-14.217	-14.217	0	%100
75	M72	X	4.33	4.33	0	%100
76	M72	Z	-7.5	-7.5	0	%100
77	M78	X	8.274	8.274	0	%100
78	M78	Z	-14.332	-14.332	0	%100
79	M80	X	8.274	8.274	0	%100
80	M80	Z	-14.332	-14.332	0	%100
81	M85	X	4.827	4.827	0	%100
82	M85	Z	-8.36	-8.36	0	%100
83	MP3B	X	4.367	4.367	0	%100
84	MP3B	Z	-7.564	-7.564	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	4.367	4.367	0	%100
88	MP2B	Z	-7.564	-7.564	0	%100
89	M93A	X	3.571	3.571	0	%100
90	M93A	Z	-6.185	-6.185	0	%100
91	M90A	X	3.965	3.965	0	%100
92	M90A	Z	-6.867	-6.867	0	%100
93	M93B	X	3.965	3.965	0	%100
94	M93B	Z	-6.867	-6.867	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	4.367	4.367	0	%100
98	MP3C	Z	-7.564	-7.564	0	%100
99	MP2C	X	4.367	4.367	0	%100
100	MP2C	Z	-7.564	-7.564	0	%100
101	M109A	X	4.593	4.593	0	%100
102	M109A	Z	-7.956	-7.956	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	4.593	4.593	0	%100
106	M111	Z	-7.956	-7.956	0	%100
107	MP4A	X	4.367	4.367	0	%100
108	MP4A	Z	-7.564	-7.564	0	%100
109	MP1A	X	4.367	4.367	0	%100
110	MP1A	Z	-7.564	-7.564	0	%100
111	MP4C	X	4.367	4.367	0	%100
112	MP4C	Z	-7.564	-7.564	0	%100
113	MP1C	X	4.367	4.367	0	%100
114	MP1C	Z	-7.564	-7.564	0	%100
115	MP4B	X	4.367	4.367	0	%100
116	MP4B	Z	-7.564	-7.564	0	%100
117	MP1B	X	4.367	4.367	0	%100
118	MP1B	Z	-7.564	-7.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	3.701	3.701	0	%100
2	M20	Z	-2.137	-2.137	0	%100
3	M109	X	3.701	3.701	0	%100
4	M109	Z	-2.137	-2.137	0	%100
5	M21	X	2.439	2.439	0	%100
6	M21	Z	-1.408	-1.408	0	%100
7	MP3A	X	7.564	7.564	0	%100
8	MP3A	Z	-4.367	-4.367	0	%100
9	M1	X	2.787	2.787	0	%100
10	M1	Z	-1.609	-1.609	0	%100
11	M19	X	7.166	7.166	0	%100
12	M19	Z	-4.137	-4.137	0	%100
13	M10	X	4.777	4.777	0	%100
14	M10	Z	-2.758	-2.758	0	%100
15	M49A	X	2.341	2.341	0	%100
16	M49A	Z	-1.352	-1.352	0	%100
17	M50	X	19.108	19.108	0	%100
18	M50	Z	-11.032	-11.032	0	%100
19	M61A	X	2.436	2.436	0	%100
20	M61A	Z	-1.407	-1.407	0	%100
21	M62A	X	4.663	4.663	0	%100
22	M62A	Z	-2.692	-2.692	0	%100
23	M34	X	10.123	10.123	0	%100
24	M34	Z	-5.845	-5.845	0	%100
25	M76A	X	19.109	19.109	0	%100
26	M76A	Z	-11.032	-11.032	0	%100
27	M82A	X	4.777	4.777	0	%100
28	M82A	Z	-2.758	-2.758	0	%100
29	OVP2	X	6.185	6.185	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	OVP2	Z	-3.571	-3.571	0	%100
31	MP2A	X	7.564	7.564	0	%100
32	MP2A	Z	-4.367	-4.367	0	%100
33	M32A	X	14.803	14.803	0	%100
34	M32A	Z	-8.547	-8.547	0	%100
35	M33	X	14.803	14.803	0	%100
36	M33	Z	-8.547	-8.547	0	%100
37	M34B	X	2.624	2.624	0	%100
38	M34B	Z	-1.515	-1.515	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	19.109	19.109	0	%100
42	M36A	Z	-11.032	-11.032	0	%100
43	M37	X	9.554	9.554	0	%100
44	M37	Z	-5.516	-5.516	0	%100
45	M38	X	4.892	4.892	0	%100
46	M38	Z	-2.824	-2.824	0	%100
47	M41	X	9.554	9.554	0	%100
48	M41	Z	-5.516	-5.516	0	%100
49	M42	X	4.892	4.892	0	%100
50	M42	Z	-2.824	-2.824	0	%100
51	M46	X	2.624	2.624	0	%100
52	M46	Z	-1.515	-1.515	0	%100
53	M52A	X	4.777	4.777	0	%100
54	M52A	Z	-2.758	-2.758	0	%100
55	M54	X	4.777	4.777	0	%100
56	M54	Z	-2.758	-2.758	0	%100
57	M58	X	3.701	3.701	0	%100
58	M58	Z	-2.137	-2.137	0	%100
59	M59	X	3.701	3.701	0	%100
60	M59	Z	-2.137	-2.137	0	%100
61	M60	X	10.123	10.123	0	%100
62	M60	Z	-5.845	-5.845	0	%100
63	M61	X	7.166	7.166	0	%100
64	M61	Z	-4.137	-4.137	0	%100
65	M62	X	4.777	4.777	0	%100
66	M62	Z	-2.758	-2.758	0	%100
67	M63	X	2.436	2.436	0	%100
68	M63	Z	-1.407	-1.407	0	%100
69	M64	X	4.663	4.663	0	%100
70	M64	Z	-2.692	-2.692	0	%100
71	M67	X	2.341	2.341	0	%100
72	M67	Z	-1.352	-1.352	0	%100
73	M68	X	19.108	19.108	0	%100
74	M68	Z	-11.032	-11.032	0	%100
75	M72	X	2.439	2.439	0	%100
76	M72	Z	-1.408	-1.408	0	%100
77	M78	X	4.777	4.777	0	%100
78	M78	Z	-2.758	-2.758	0	%100
79	M80	X	19.109	19.109	0	%100
80	M80	Z	-11.032	-11.032	0	%100
81	M85	X	11.147	11.147	0	%100
82	M85	Z	-6.436	-6.436	0	%100
83	MP3B	X	7.564	7.564	0	%100
84	MP3B	Z	-4.367	-4.367	0	%100
85	M90	X	2.787	2.787	0	%100
86	M90	Z	-1.609	-1.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2B	X	7.564	7.564	0	%100
88	MP2B	Z	-4.367	-4.367	0	%100
89	M93A	X	6.185	6.185	0	%100
90	M93A	Z	-3.571	-3.571	0	%100
91	M90A	X	2.289	2.289	0	%100
92	M90A	Z	-1.322	-1.322	0	%100
93	M93B	X	9.156	9.156	0	%100
94	M93B	Z	-5.286	-5.286	0	%100
95	M94	X	2.289	2.289	0	%100
96	M94	Z	-1.322	-1.322	0	%100
97	MP3C	X	7.564	7.564	0	%100
98	MP3C	Z	-4.367	-4.367	0	%100
99	MP2C	X	7.564	7.564	0	%100
100	MP2C	Z	-4.367	-4.367	0	%100
101	M109A	X	10.608	10.608	0	%100
102	M109A	Z	-6.125	-6.125	0	%100
103	M110	X	2.652	2.652	0	%100
104	M110	Z	-1.531	-1.531	0	%100
105	M111	X	2.652	2.652	0	%100
106	M111	Z	-1.531	-1.531	0	%100
107	MP4A	X	7.564	7.564	0	%100
108	MP4A	Z	-4.367	-4.367	0	%100
109	MP1A	X	7.564	7.564	0	%100
110	MP1A	Z	-4.367	-4.367	0	%100
111	MP4C	X	7.564	7.564	0	%100
112	MP4C	Z	-4.367	-4.367	0	%100
113	MP1C	X	7.564	7.564	0	%100
114	MP1C	Z	-4.367	-4.367	0	%100
115	MP4B	X	7.564	7.564	0	%100
116	MP4B	Z	-4.367	-4.367	0	%100
117	MP1B	X	7.564	7.564	0	%100
118	MP1B	Z	-4.367	-4.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	0	0	0	%100
5	M21	X	8.66	8.66	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	8.734	8.734	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	11.032	11.032	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	.000366	.000366	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	16.416	16.416	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	.000366	.000366	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	16.416	16.416	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M62A	Z	0	0	0	%100
23	M34	X	8.66	8.66	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	16.549	16.549	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	16.549	16.549	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	7.142	7.142	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	8.734	8.734	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	12.82	12.82	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	12.82	12.82	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	.001	.001	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	2.758	2.758	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	16.549	16.549	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	8.219	8.219	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	16.68	16.68	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	8.329	8.329	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	.001	.001	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	8.874	8.874	0	%100
52	M46	Z	0	0	0	%100
53	M52A	X	16.549	16.549	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	12.82	12.82	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	12.82	12.82	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	8.874	8.874	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	2.758	2.758	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	16.549	16.549	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	8.329	8.329	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	.001	.001	0	%100
70	M64	Z	0	0	0	%100
71	M67	X	8.219	8.219	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	16.68	16.68	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	.001	.001	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M80	X	16.549	16.549	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	9.653	9.653	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	8.734	8.734	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	9.653	9.653	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	8.734	8.734	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	7.142	7.142	0	%100
90	M93A	Z	0	0	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	7.93	7.93	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	7.93	7.93	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	8.734	8.734	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	8.734	8.734	0	%100
100	MP2C	Z	0	0	0	%100
101	M109A	X	9.187	9.187	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	9.187	9.187	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	8.734	8.734	0	%100
108	MP4A	Z	0	0	0	%100
109	MP1A	X	8.734	8.734	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	8.734	8.734	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	8.734	8.734	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	8.734	8.734	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	8.734	8.734	0	%100
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	3.701	3.701	0	%100
2	M20	Z	2.137	2.137	0	%100
3	M109	X	3.701	3.701	0	%100
4	M109	Z	2.137	2.137	0	%100
5	M21	X	10.123	10.123	0	%100
6	M21	Z	5.845	5.845	0	%100
7	MP3A	X	7.564	7.564	0	%100
8	MP3A	Z	4.367	4.367	0	%100
9	M1	X	2.787	2.787	0	%100
10	M1	Z	1.609	1.609	0	%100
11	M19	X	7.166	7.166	0	%100
12	M19	Z	4.137	4.137	0	%100
13	M10	X	4.777	4.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M10	Z	2.758	2.758	0	%100
15	M49A	X	2.436	2.436	0	%100
16	M49A	Z	1.407	1.407	0	%100
17	M50	X	4.663	4.663	0	%100
18	M50	Z	2.692	2.692	0	%100
19	M61A	X	2.341	2.341	0	%100
20	M61A	Z	1.352	1.352	0	%100
21	M62A	X	19.108	19.108	0	%100
22	M62A	Z	11.032	11.032	0	%100
23	M34	X	2.439	2.439	0	%100
24	M34	Z	1.408	1.408	0	%100
25	M76A	X	4.777	4.777	0	%100
26	M76A	Z	2.758	2.758	0	%100
27	M82A	X	19.109	19.109	0	%100
28	M82A	Z	11.032	11.032	0	%100
29	OVP2	X	6.185	6.185	0	%100
30	OVP2	Z	3.571	3.571	0	%100
31	MP2A	X	7.564	7.564	0	%100
32	MP2A	Z	4.367	4.367	0	%100
33	M32A	X	3.701	3.701	0	%100
34	M32A	Z	2.137	2.137	0	%100
35	M33	X	3.701	3.701	0	%100
36	M33	Z	2.137	2.137	0	%100
37	M34B	X	2.439	2.439	0	%100
38	M34B	Z	1.408	1.408	0	%100
39	M35B	X	7.166	7.166	0	%100
40	M35B	Z	4.137	4.137	0	%100
41	M36A	X	4.777	4.777	0	%100
42	M36A	Z	2.758	2.758	0	%100
43	M37	X	2.341	2.341	0	%100
44	M37	Z	1.352	1.352	0	%100
45	M38	X	19.108	19.108	0	%100
46	M38	Z	11.032	11.032	0	%100
47	M41	X	2.436	2.436	0	%100
48	M41	Z	1.407	1.407	0	%100
49	M42	X	4.663	4.663	0	%100
50	M42	Z	2.692	2.692	0	%100
51	M46	X	10.123	10.123	0	%100
52	M46	Z	5.845	5.845	0	%100
53	M52A	X	19.109	19.109	0	%100
54	M52A	Z	11.032	11.032	0	%100
55	M54	X	4.777	4.777	0	%100
56	M54	Z	2.758	2.758	0	%100
57	M58	X	14.803	14.803	0	%100
58	M58	Z	8.547	8.547	0	%100
59	M59	X	14.803	14.803	0	%100
60	M59	Z	8.547	8.547	0	%100
61	M60	X	2.624	2.624	0	%100
62	M60	Z	1.515	1.515	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	19.109	19.109	0	%100
66	M62	Z	11.032	11.032	0	%100
67	M63	X	9.554	9.554	0	%100
68	M63	Z	5.516	5.516	0	%100
69	M64	X	4.892	4.892	0	%100
70	M64	Z	2.824	2.824	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	M67	X	9.554	9.554	0	%100
72	M67	Z	5.516	5.516	0	%100
73	M68	X	4.892	4.892	0	%100
74	M68	Z	2.824	2.824	0	%100
75	M72	X	2.624	2.624	0	%100
76	M72	Z	1.515	1.515	0	%100
77	M78	X	4.777	4.777	0	%100
78	M78	Z	2.758	2.758	0	%100
79	M80	X	4.777	4.777	0	%100
80	M80	Z	2.758	2.758	0	%100
81	M85	X	2.787	2.787	0	%100
82	M85	Z	1.609	1.609	0	%100
83	MP3B	X	7.564	7.564	0	%100
84	MP3B	Z	4.367	4.367	0	%100
85	M90	X	11.147	11.147	0	%100
86	M90	Z	6.436	6.436	0	%100
87	MP2B	X	7.564	7.564	0	%100
88	MP2B	Z	4.367	4.367	0	%100
89	M93A	X	6.185	6.185	0	%100
90	M93A	Z	3.571	3.571	0	%100
91	M90A	X	2.289	2.289	0	%100
92	M90A	Z	1.322	1.322	0	%100
93	M93B	X	2.289	2.289	0	%100
94	M93B	Z	1.322	1.322	0	%100
95	M94	X	9.156	9.156	0	%100
96	M94	Z	5.286	5.286	0	%100
97	MP3C	X	7.564	7.564	0	%100
98	MP3C	Z	4.367	4.367	0	%100
99	MP2C	X	7.564	7.564	0	%100
100	MP2C	Z	4.367	4.367	0	%100
101	M109A	X	2.652	2.652	0	%100
102	M109A	Z	1.531	1.531	0	%100
103	M110	X	10.608	10.608	0	%100
104	M110	Z	6.125	6.125	0	%100
105	M111	X	2.652	2.652	0	%100
106	M111	Z	1.531	1.531	0	%100
107	MP4A	X	7.564	7.564	0	%100
108	MP4A	Z	4.367	4.367	0	%100
109	MP1A	X	7.564	7.564	0	%100
110	MP1A	Z	4.367	4.367	0	%100
111	MP4C	X	7.564	7.564	0	%100
112	MP4C	Z	4.367	4.367	0	%100
113	MP1C	X	7.564	7.564	0	%100
114	MP1C	Z	4.367	4.367	0	%100
115	MP4B	X	7.564	7.564	0	%100
116	MP4B	Z	4.367	4.367	0	%100
117	MP1B	X	7.564	7.564	0	%100
118	MP1B	Z	4.367	4.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	6.41	6.41	0	%100
2	M20	Z	11.103	11.103	0	%100
3	M109	X	6.41	6.41	0	%100
4	M109	Z	11.103	11.103	0	%100
5	M21	X	4.437	4.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M21	Z	7.685	7.685	0	%100
7	MP3A	X	4.367	4.367	0	%100
8	MP3A	Z	7.564	7.564	0	%100
9	M1	X	4.827	4.827	0	%100
10	M1	Z	8.36	8.36	0	%100
11	M19	X	1.379	1.379	0	%100
12	M19	Z	2.389	2.389	0	%100
13	M10	X	8.274	8.274	0	%100
14	M10	Z	14.332	14.332	0	%100
15	M49A	X	4.165	4.165	0	%100
16	M49A	Z	7.213	7.213	0	%100
17	M50	X	.000527	.000527	0	%100
18	M50	Z	.000913	.000913	0	%100
19	M61A	X	4.11	4.11	0	%100
20	M61A	Z	7.118	7.118	0	%100
21	M62A	X	8.34	8.34	0	%100
22	M62A	Z	14.446	14.446	0	%100
23	M34	X	.000651	.000651	0	%100
24	M34	Z	.001	.001	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	8.274	8.274	0	%100
28	M82A	Z	14.332	14.332	0	%100
29	OVP2	X	3.571	3.571	0	%100
30	OVP2	Z	6.185	6.185	0	%100
31	MP2A	X	4.367	4.367	0	%100
32	MP2A	Z	7.564	7.564	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	4.33	4.33	0	%100
38	M34B	Z	7.5	7.5	0	%100
39	M35B	X	5.516	5.516	0	%100
40	M35B	Z	9.554	9.554	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	.000183	.000183	0	%100
44	M37	Z	.000317	.000317	0	%100
45	M38	X	8.208	8.208	0	%100
46	M38	Z	14.217	14.217	0	%100
47	M41	X	.000183	.000183	0	%100
48	M41	Z	.000317	.000317	0	%100
49	M42	X	8.208	8.208	0	%100
50	M42	Z	14.217	14.217	0	%100
51	M46	X	4.33	4.33	0	%100
52	M46	Z	7.5	7.5	0	%100
53	M52A	X	8.274	8.274	0	%100
54	M52A	Z	14.332	14.332	0	%100
55	M54	X	8.274	8.274	0	%100
56	M54	Z	14.332	14.332	0	%100
57	M58	X	6.41	6.41	0	%100
58	M58	Z	11.103	11.103	0	%100
59	M59	X	6.41	6.41	0	%100
60	M59	Z	11.103	11.103	0	%100
61	M60	X	.000651	.000651	0	%100
62	M60	Z	.001	.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M61	X	1.379	1.379	0	%100
64	M61	Z	2.389	2.389	0	%100
65	M62	X	8.274	8.274	0	%100
66	M62	Z	14.332	14.332	0	%100
67	M63	X	4.11	4.11	0	%100
68	M63	Z	7.118	7.118	0	%100
69	M64	X	8.34	8.34	0	%100
70	M64	Z	14.446	14.446	0	%100
71	M67	X	4.165	4.165	0	%100
72	M67	Z	7.213	7.213	0	%100
73	M68	X	.000527	.000527	0	%100
74	M68	Z	.000913	.000913	0	%100
75	M72	X	4.437	4.437	0	%100
76	M72	Z	7.685	7.685	0	%100
77	M78	X	8.274	8.274	0	%100
78	M78	Z	14.332	14.332	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	4.367	4.367	0	%100
84	MP3B	Z	7.564	7.564	0	%100
85	M90	X	4.827	4.827	0	%100
86	M90	Z	8.36	8.36	0	%100
87	MP2B	X	4.367	4.367	0	%100
88	MP2B	Z	7.564	7.564	0	%100
89	M93A	X	3.571	3.571	0	%100
90	M93A	Z	6.185	6.185	0	%100
91	M90A	X	3.965	3.965	0	%100
92	M90A	Z	6.867	6.867	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	3.965	3.965	0	%100
96	M94	Z	6.867	6.867	0	%100
97	MP3C	X	4.367	4.367	0	%100
98	MP3C	Z	7.564	7.564	0	%100
99	MP2C	X	4.367	4.367	0	%100
100	MP2C	Z	7.564	7.564	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	4.593	4.593	0	%100
104	M110	Z	7.956	7.956	0	%100
105	M111	X	4.593	4.593	0	%100
106	M111	Z	7.956	7.956	0	%100
107	MP4A	X	4.367	4.367	0	%100
108	MP4A	Z	7.564	7.564	0	%100
109	MP1A	X	4.367	4.367	0	%100
110	MP1A	Z	7.564	7.564	0	%100
111	MP4C	X	4.367	4.367	0	%100
112	MP4C	Z	7.564	7.564	0	%100
113	MP1C	X	4.367	4.367	0	%100
114	MP1C	Z	7.564	7.564	0	%100
115	MP4B	X	4.367	4.367	0	%100
116	MP4B	Z	7.564	7.564	0	%100
117	MP1B	X	4.367	4.367	0	%100
118	MP1B	Z	7.564	7.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	17.094	17.094	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	17.094	17.094	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	3.03	3.03	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	8.734	8.734	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	12.871	12.871	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	22.065	22.065	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	11.032	11.032	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	5.649	5.649	0	%100
19	M61A	X	0	0	0	%100
20	M61A	Z	11.032	11.032	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	5.649	5.649	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	3.03	3.03	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	5.516	5.516	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	5.516	5.516	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	7.142	7.142	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	8.734	8.734	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	4.273	4.273	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	4.273	4.273	0	%100
37	M34B	X	0	0	0	%100
38	M34B	Z	11.689	11.689	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	8.274	8.274	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	5.516	5.516	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	2.813	2.813	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	5.385	5.385	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	2.703	2.703	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	22.064	22.064	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	2.816	2.816	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	5.516	5.516	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	22.065	22.065	0	%100
57	M58	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M58	Z	4.273	4.273	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	4.273	4.273	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	2.816	2.816	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	8.274	8.274	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	5.516	5.516	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	2.703	2.703	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	22.064	22.064	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	2.813	2.813	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	5.385	5.385	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	11.689	11.689	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	22.065	22.065	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	5.516	5.516	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	3.218	3.218	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	8.734	8.734	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	3.218	3.218	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	8.734	8.734	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	7.142	7.142	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	10.573	10.573	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	2.643	2.643	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	2.643	2.643	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	8.734	8.734	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	8.734	8.734	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	3.062	3.062	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	3.062	3.062	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	12.249	12.249	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	8.734	8.734	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	8.734	8.734	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	8.734	8.734	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	8.734	8.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP4B	X	0	0	0	%100
116	MP4B	Z	8.734	8.734	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	8.734	8.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-6.41	-6.41	0	%100
2	M20	Z	11.103	11.103	0	%100
3	M109	X	-6.41	-6.41	0	%100
4	M109	Z	11.103	11.103	0	%100
5	M21	X	-.000651	-.000651	0	%100
6	M21	Z	.001	.001	0	%100
7	MP3A	X	-4.367	-4.367	0	%100
8	MP3A	Z	7.564	7.564	0	%100
9	M1	X	-4.827	-4.827	0	%100
10	M1	Z	8.36	8.36	0	%100
11	M19	X	-1.379	-1.379	0	%100
12	M19	Z	2.389	2.389	0	%100
13	M10	X	-8.274	-8.274	0	%100
14	M10	Z	14.332	14.332	0	%100
15	M49A	X	-4.11	-4.11	0	%100
16	M49A	Z	7.118	7.118	0	%100
17	M50	X	-8.34	-8.34	0	%100
18	M50	Z	14.446	14.446	0	%100
19	M61A	X	-4.165	-4.165	0	%100
20	M61A	Z	7.213	7.213	0	%100
21	M62A	X	-.000527	-.000527	0	%100
22	M62A	Z	.000913	.000913	0	%100
23	M34	X	-4.437	-4.437	0	%100
24	M34	Z	7.685	7.685	0	%100
25	M76A	X	-8.274	-8.274	0	%100
26	M76A	Z	14.332	14.332	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	-3.571	-3.571	0	%100
30	OVP2	Z	6.185	6.185	0	%100
31	MP2A	X	-4.367	-4.367	0	%100
32	MP2A	Z	7.564	7.564	0	%100
33	M32A	X	-6.41	-6.41	0	%100
34	M32A	Z	11.103	11.103	0	%100
35	M33	X	-6.41	-6.41	0	%100
36	M33	Z	11.103	11.103	0	%100
37	M34B	X	-4.437	-4.437	0	%100
38	M34B	Z	7.685	7.685	0	%100
39	M35B	X	-1.379	-1.379	0	%100
40	M35B	Z	2.389	2.389	0	%100
41	M36A	X	-8.274	-8.274	0	%100
42	M36A	Z	14.332	14.332	0	%100
43	M37	X	-4.165	-4.165	0	%100
44	M37	Z	7.213	7.213	0	%100
45	M38	X	-.000527	-.000527	0	%100
46	M38	Z	.000913	.000913	0	%100
47	M41	X	-4.11	-4.11	0	%100
48	M41	Z	7.118	7.118	0	%100
49	M42	X	-8.34	-8.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M42	Z	14.446	14.446	0	%100
51	M46	X	-.000651	-.000651	0	%100
52	M46	Z	.001	.001	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	-8.274	-8.274	0	%100
56	M54	Z	14.332	14.332	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-4.33	-4.33	0	%100
62	M60	Z	7.5	7.5	0	%100
63	M61	X	-5.516	-5.516	0	%100
64	M61	Z	9.554	9.554	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-.000183	-.000183	0	%100
68	M63	Z	.000317	.000317	0	%100
69	M64	X	-8.208	-8.208	0	%100
70	M64	Z	14.217	14.217	0	%100
71	M67	X	-.000183	-.000183	0	%100
72	M67	Z	.000317	.000317	0	%100
73	M68	X	-8.208	-8.208	0	%100
74	M68	Z	14.217	14.217	0	%100
75	M72	X	-4.33	-4.33	0	%100
76	M72	Z	7.5	7.5	0	%100
77	M78	X	-8.274	-8.274	0	%100
78	M78	Z	14.332	14.332	0	%100
79	M80	X	-8.274	-8.274	0	%100
80	M80	Z	14.332	14.332	0	%100
81	M85	X	-4.827	-4.827	0	%100
82	M85	Z	8.36	8.36	0	%100
83	MP3B	X	-4.367	-4.367	0	%100
84	MP3B	Z	7.564	7.564	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	-4.367	-4.367	0	%100
88	MP2B	Z	7.564	7.564	0	%100
89	M93A	X	-3.571	-3.571	0	%100
90	M93A	Z	6.185	6.185	0	%100
91	M90A	X	-3.965	-3.965	0	%100
92	M90A	Z	6.867	6.867	0	%100
93	M93B	X	-3.965	-3.965	0	%100
94	M93B	Z	6.867	6.867	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-4.367	-4.367	0	%100
98	MP3C	Z	7.564	7.564	0	%100
99	MP2C	X	-4.367	-4.367	0	%100
100	MP2C	Z	7.564	7.564	0	%100
101	M109A	X	-4.593	-4.593	0	%100
102	M109A	Z	7.956	7.956	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-4.593	-4.593	0	%100
106	M111	Z	7.956	7.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	MP4A	X	-4.367	-4.367	0	%100
108	MP4A	Z	7.564	7.564	0	%100
109	MP1A	X	-4.367	-4.367	0	%100
110	MP1A	Z	7.564	7.564	0	%100
111	MP4C	X	-4.367	-4.367	0	%100
112	MP4C	Z	7.564	7.564	0	%100
113	MP1C	X	-4.367	-4.367	0	%100
114	MP1C	Z	7.564	7.564	0	%100
115	MP4B	X	-4.367	-4.367	0	%100
116	MP4B	Z	7.564	7.564	0	%100
117	MP1B	X	-4.367	-4.367	0	%100
118	MP1B	Z	7.564	7.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-3.701	-3.701	0	%100
2	M20	Z	2.137	2.137	0	%100
3	M109	X	-3.701	-3.701	0	%100
4	M109	Z	2.137	2.137	0	%100
5	M21	X	-2.439	-2.439	0	%100
6	M21	Z	1.408	1.408	0	%100
7	MP3A	X	-7.564	-7.564	0	%100
8	MP3A	Z	4.367	4.367	0	%100
9	M1	X	-2.787	-2.787	0	%100
10	M1	Z	1.609	1.609	0	%100
11	M19	X	-7.166	-7.166	0	%100
12	M19	Z	4.137	4.137	0	%100
13	M10	X	-4.777	-4.777	0	%100
14	M10	Z	2.758	2.758	0	%100
15	M49A	X	-2.341	-2.341	0	%100
16	M49A	Z	1.352	1.352	0	%100
17	M50	X	-19.108	-19.108	0	%100
18	M50	Z	11.032	11.032	0	%100
19	M61A	X	-2.436	-2.436	0	%100
20	M61A	Z	1.407	1.407	0	%100
21	M62A	X	-4.663	-4.663	0	%100
22	M62A	Z	2.692	2.692	0	%100
23	M34	X	-10.123	-10.123	0	%100
24	M34	Z	5.845	5.845	0	%100
25	M76A	X	-19.109	-19.109	0	%100
26	M76A	Z	11.032	11.032	0	%100
27	M82A	X	-4.777	-4.777	0	%100
28	M82A	Z	2.758	2.758	0	%100
29	OVP2	X	-6.185	-6.185	0	%100
30	OVP2	Z	3.571	3.571	0	%100
31	MP2A	X	-7.564	-7.564	0	%100
32	MP2A	Z	4.367	4.367	0	%100
33	M32A	X	-14.803	-14.803	0	%100
34	M32A	Z	8.547	8.547	0	%100
35	M33	X	-14.803	-14.803	0	%100
36	M33	Z	8.547	8.547	0	%100
37	M34B	X	-2.624	-2.624	0	%100
38	M34B	Z	1.515	1.515	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-19.109	-19.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	M36A	Z	11.032	11.032	0	%100
43	M37	X	-9.554	-9.554	0	%100
44	M37	Z	5.516	5.516	0	%100
45	M38	X	-4.892	-4.892	0	%100
46	M38	Z	2.824	2.824	0	%100
47	M41	X	-9.554	-9.554	0	%100
48	M41	Z	5.516	5.516	0	%100
49	M42	X	-4.892	-4.892	0	%100
50	M42	Z	2.824	2.824	0	%100
51	M46	X	-2.624	-2.624	0	%100
52	M46	Z	1.515	1.515	0	%100
53	M52A	X	-4.777	-4.777	0	%100
54	M52A	Z	2.758	2.758	0	%100
55	M54	X	-4.777	-4.777	0	%100
56	M54	Z	2.758	2.758	0	%100
57	M58	X	-3.701	-3.701	0	%100
58	M58	Z	2.137	2.137	0	%100
59	M59	X	-3.701	-3.701	0	%100
60	M59	Z	2.137	2.137	0	%100
61	M60	X	-10.123	-10.123	0	%100
62	M60	Z	5.845	5.845	0	%100
63	M61	X	-7.166	-7.166	0	%100
64	M61	Z	4.137	4.137	0	%100
65	M62	X	-4.777	-4.777	0	%100
66	M62	Z	2.758	2.758	0	%100
67	M63	X	-2.436	-2.436	0	%100
68	M63	Z	1.407	1.407	0	%100
69	M64	X	-4.663	-4.663	0	%100
70	M64	Z	2.692	2.692	0	%100
71	M67	X	-2.341	-2.341	0	%100
72	M67	Z	1.352	1.352	0	%100
73	M68	X	-19.108	-19.108	0	%100
74	M68	Z	11.032	11.032	0	%100
75	M72	X	-2.439	-2.439	0	%100
76	M72	Z	1.408	1.408	0	%100
77	M78	X	-4.777	-4.777	0	%100
78	M78	Z	2.758	2.758	0	%100
79	M80	X	-19.109	-19.109	0	%100
80	M80	Z	11.032	11.032	0	%100
81	M85	X	-11.147	-11.147	0	%100
82	M85	Z	6.436	6.436	0	%100
83	MP3B	X	-7.564	-7.564	0	%100
84	MP3B	Z	4.367	4.367	0	%100
85	M90	X	-2.787	-2.787	0	%100
86	M90	Z	1.609	1.609	0	%100
87	MP2B	X	-7.564	-7.564	0	%100
88	MP2B	Z	4.367	4.367	0	%100
89	M93A	X	-6.185	-6.185	0	%100
90	M93A	Z	3.571	3.571	0	%100
91	M90A	X	-2.289	-2.289	0	%100
92	M90A	Z	1.322	1.322	0	%100
93	M93B	X	-9.156	-9.156	0	%100
94	M93B	Z	5.286	5.286	0	%100
95	M94	X	-2.289	-2.289	0	%100
96	M94	Z	1.322	1.322	0	%100
97	MP3C	X	-7.564	-7.564	0	%100
98	MP3C	Z	4.367	4.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	MP2C	X	-7.564	-7.564	0	%100
100	MP2C	Z	4.367	4.367	0	%100
101	M109A	X	-10.608	-10.608	0	%100
102	M109A	Z	6.125	6.125	0	%100
103	M110	X	-2.652	-2.652	0	%100
104	M110	Z	1.531	1.531	0	%100
105	M111	X	-2.652	-2.652	0	%100
106	M111	Z	1.531	1.531	0	%100
107	MP4A	X	-7.564	-7.564	0	%100
108	MP4A	Z	4.367	4.367	0	%100
109	MP1A	X	-7.564	-7.564	0	%100
110	MP1A	Z	4.367	4.367	0	%100
111	MP4C	X	-7.564	-7.564	0	%100
112	MP4C	Z	4.367	4.367	0	%100
113	MP1C	X	-7.564	-7.564	0	%100
114	MP1C	Z	4.367	4.367	0	%100
115	MP4B	X	-7.564	-7.564	0	%100
116	MP4B	Z	4.367	4.367	0	%100
117	MP1B	X	-7.564	-7.564	0	%100
118	MP1B	Z	4.367	4.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	0	0	0	%100
5	M21	X	-8.66	-8.66	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	-8.734	-8.734	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	-11.032	-11.032	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	-.000366	-.000366	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	-16.416	-16.416	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	-.000366	-.000366	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	-16.416	-16.416	0	%100
22	M62A	Z	0	0	0	%100
23	M34	X	-8.66	-8.66	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	-16.549	-16.549	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-16.549	-16.549	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	-7.142	-7.142	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	-8.734	-8.734	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	-12.82	-12.82	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M32A	Z	0	0	0	%100
35	M33	X	-12.82	-12.82	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	-.001	-.001	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	-2.758	-2.758	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-16.549	-16.549	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-8.219	-8.219	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-16.68	-16.68	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-8.329	-8.329	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-.001	-.001	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	-8.874	-8.874	0	%100
52	M46	Z	0	0	0	%100
53	M52A	X	-16.549	-16.549	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	-12.82	-12.82	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	-12.82	-12.82	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-8.874	-8.874	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-2.758	-2.758	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-16.549	-16.549	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-8.329	-8.329	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-.001	-.001	0	%100
70	M64	Z	0	0	0	%100
71	M67	X	-8.219	-8.219	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	-16.68	-16.68	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	-.001	-.001	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100
79	M80	X	-16.549	-16.549	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	-9.653	-9.653	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-8.734	-8.734	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	-9.653	-9.653	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	-8.734	-8.734	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	-7.142	-7.142	0	%100
90	M93A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	-7.93	-7.93	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-7.93	-7.93	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-8.734	-8.734	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	-8.734	-8.734	0	%100
100	MP2C	Z	0	0	0	%100
101	M109A	X	-9.187	-9.187	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-9.187	-9.187	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	-8.734	-8.734	0	%100
108	MP4A	Z	0	0	0	%100
109	MP1A	X	-8.734	-8.734	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	-8.734	-8.734	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	-8.734	-8.734	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	-8.734	-8.734	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	-8.734	-8.734	0	%100
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-3.701	-3.701	0	%100
2	M20	Z	-2.137	-2.137	0	%100
3	M109	X	-3.701	-3.701	0	%100
4	M109	Z	-2.137	-2.137	0	%100
5	M21	X	-10.123	-10.123	0	%100
6	M21	Z	-5.845	-5.845	0	%100
7	MP3A	X	-7.564	-7.564	0	%100
8	MP3A	Z	-4.367	-4.367	0	%100
9	M1	X	-2.787	-2.787	0	%100
10	M1	Z	-1.609	-1.609	0	%100
11	M19	X	-7.166	-7.166	0	%100
12	M19	Z	-4.137	-4.137	0	%100
13	M10	X	-4.777	-4.777	0	%100
14	M10	Z	-2.758	-2.758	0	%100
15	M49A	X	-2.436	-2.436	0	%100
16	M49A	Z	-1.407	-1.407	0	%100
17	M50	X	-4.663	-4.663	0	%100
18	M50	Z	-2.692	-2.692	0	%100
19	M61A	X	-2.341	-2.341	0	%100
20	M61A	Z	-1.352	-1.352	0	%100
21	M62A	X	-19.108	-19.108	0	%100
22	M62A	Z	-11.032	-11.032	0	%100
23	M34	X	-2.439	-2.439	0	%100
24	M34	Z	-1.408	-1.408	0	%100
25	M76A	X	-4.777	-4.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M76A	Z	-2.758	-2.758	0	%100
27	M82A	X	-19.109	-19.109	0	%100
28	M82A	Z	-11.032	-11.032	0	%100
29	OVP2	X	-6.185	-6.185	0	%100
30	OVP2	Z	-3.571	-3.571	0	%100
31	MP2A	X	-7.564	-7.564	0	%100
32	MP2A	Z	-4.367	-4.367	0	%100
33	M32A	X	-3.701	-3.701	0	%100
34	M32A	Z	-2.137	-2.137	0	%100
35	M33	X	-3.701	-3.701	0	%100
36	M33	Z	-2.137	-2.137	0	%100
37	M34B	X	-2.439	-2.439	0	%100
38	M34B	Z	-1.408	-1.408	0	%100
39	M35B	X	-7.166	-7.166	0	%100
40	M35B	Z	-4.137	-4.137	0	%100
41	M36A	X	-4.777	-4.777	0	%100
42	M36A	Z	-2.758	-2.758	0	%100
43	M37	X	-2.341	-2.341	0	%100
44	M37	Z	-1.352	-1.352	0	%100
45	M38	X	-19.108	-19.108	0	%100
46	M38	Z	-11.032	-11.032	0	%100
47	M41	X	-2.436	-2.436	0	%100
48	M41	Z	-1.407	-1.407	0	%100
49	M42	X	-4.663	-4.663	0	%100
50	M42	Z	-2.692	-2.692	0	%100
51	M46	X	-10.123	-10.123	0	%100
52	M46	Z	-5.845	-5.845	0	%100
53	M52A	X	-19.109	-19.109	0	%100
54	M52A	Z	-11.032	-11.032	0	%100
55	M54	X	-4.777	-4.777	0	%100
56	M54	Z	-2.758	-2.758	0	%100
57	M58	X	-14.803	-14.803	0	%100
58	M58	Z	-8.547	-8.547	0	%100
59	M59	X	-14.803	-14.803	0	%100
60	M59	Z	-8.547	-8.547	0	%100
61	M60	X	-2.624	-2.624	0	%100
62	M60	Z	-1.515	-1.515	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-19.109	-19.109	0	%100
66	M62	Z	-11.032	-11.032	0	%100
67	M63	X	-9.554	-9.554	0	%100
68	M63	Z	-5.516	-5.516	0	%100
69	M64	X	-4.892	-4.892	0	%100
70	M64	Z	-2.824	-2.824	0	%100
71	M67	X	-9.554	-9.554	0	%100
72	M67	Z	-5.516	-5.516	0	%100
73	M68	X	-4.892	-4.892	0	%100
74	M68	Z	-2.824	-2.824	0	%100
75	M72	X	-2.624	-2.624	0	%100
76	M72	Z	-1.515	-1.515	0	%100
77	M78	X	-4.777	-4.777	0	%100
78	M78	Z	-2.758	-2.758	0	%100
79	M80	X	-4.777	-4.777	0	%100
80	M80	Z	-2.758	-2.758	0	%100
81	M85	X	-2.787	-2.787	0	%100
82	M85	Z	-1.609	-1.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	MP3B	X	-7.564	-7.564	0	%100
84	MP3B	Z	-4.367	-4.367	0	%100
85	M90	X	-11.147	-11.147	0	%100
86	M90	Z	-6.436	-6.436	0	%100
87	MP2B	X	-7.564	-7.564	0	%100
88	MP2B	Z	-4.367	-4.367	0	%100
89	M93A	X	-6.185	-6.185	0	%100
90	M93A	Z	-3.571	-3.571	0	%100
91	M90A	X	-2.289	-2.289	0	%100
92	M90A	Z	-1.322	-1.322	0	%100
93	M93B	X	-2.289	-2.289	0	%100
94	M93B	Z	-1.322	-1.322	0	%100
95	M94	X	-9.156	-9.156	0	%100
96	M94	Z	-5.286	-5.286	0	%100
97	MP3C	X	-7.564	-7.564	0	%100
98	MP3C	Z	-4.367	-4.367	0	%100
99	MP2C	X	-7.564	-7.564	0	%100
100	MP2C	Z	-4.367	-4.367	0	%100
101	M109A	X	-2.652	-2.652	0	%100
102	M109A	Z	-1.531	-1.531	0	%100
103	M110	X	-10.608	-10.608	0	%100
104	M110	Z	-6.125	-6.125	0	%100
105	M111	X	-2.652	-2.652	0	%100
106	M111	Z	-1.531	-1.531	0	%100
107	MP4A	X	-7.564	-7.564	0	%100
108	MP4A	Z	-4.367	-4.367	0	%100
109	MP1A	X	-7.564	-7.564	0	%100
110	MP1A	Z	-4.367	-4.367	0	%100
111	MP4C	X	-7.564	-7.564	0	%100
112	MP4C	Z	-4.367	-4.367	0	%100
113	MP1C	X	-7.564	-7.564	0	%100
114	MP1C	Z	-4.367	-4.367	0	%100
115	MP4B	X	-7.564	-7.564	0	%100
116	MP4B	Z	-4.367	-4.367	0	%100
117	MP1B	X	-7.564	-7.564	0	%100
118	MP1B	Z	-4.367	-4.367	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-6.41	-6.41	0	%100
2	M20	Z	-11.103	-11.103	0	%100
3	M109	X	-6.41	-6.41	0	%100
4	M109	Z	-11.103	-11.103	0	%100
5	M21	X	-4.437	-4.437	0	%100
6	M21	Z	-7.685	-7.685	0	%100
7	MP3A	X	-4.367	-4.367	0	%100
8	MP3A	Z	-7.564	-7.564	0	%100
9	M1	X	-4.827	-4.827	0	%100
10	M1	Z	-8.36	-8.36	0	%100
11	M19	X	-1.379	-1.379	0	%100
12	M19	Z	-2.389	-2.389	0	%100
13	M10	X	-8.274	-8.274	0	%100
14	M10	Z	-14.332	-14.332	0	%100
15	M49A	X	-4.165	-4.165	0	%100
16	M49A	Z	-7.213	-7.213	0	%100
17	M50	X	-.000527	-.000527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M50	Z	-.000913	-.000913	0	%100
19	M61A	X	-4.11	-4.11	0	%100
20	M61A	Z	-7.118	-7.118	0	%100
21	M62A	X	-8.34	-8.34	0	%100
22	M62A	Z	-14.446	-14.446	0	%100
23	M34	X	-.000651	-.000651	0	%100
24	M34	Z	-.001	-.001	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-8.274	-8.274	0	%100
28	M82A	Z	-14.332	-14.332	0	%100
29	OVP2	X	-3.571	-3.571	0	%100
30	OVP2	Z	-6.185	-6.185	0	%100
31	MP2A	X	-4.367	-4.367	0	%100
32	MP2A	Z	-7.564	-7.564	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	-4.33	-4.33	0	%100
38	M34B	Z	-7.5	-7.5	0	%100
39	M35B	X	-5.516	-5.516	0	%100
40	M35B	Z	-9.554	-9.554	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-.000183	-.000183	0	%100
44	M37	Z	-.000317	-.000317	0	%100
45	M38	X	-8.208	-8.208	0	%100
46	M38	Z	-14.217	-14.217	0	%100
47	M41	X	-.000183	-.000183	0	%100
48	M41	Z	-.000317	-.000317	0	%100
49	M42	X	-8.208	-8.208	0	%100
50	M42	Z	-14.217	-14.217	0	%100
51	M46	X	-4.33	-4.33	0	%100
52	M46	Z	-7.5	-7.5	0	%100
53	M52A	X	-8.274	-8.274	0	%100
54	M52A	Z	-14.332	-14.332	0	%100
55	M54	X	-8.274	-8.274	0	%100
56	M54	Z	-14.332	-14.332	0	%100
57	M58	X	-6.41	-6.41	0	%100
58	M58	Z	-11.103	-11.103	0	%100
59	M59	X	-6.41	-6.41	0	%100
60	M59	Z	-11.103	-11.103	0	%100
61	M60	X	-.000651	-.000651	0	%100
62	M60	Z	-.001	-.001	0	%100
63	M61	X	-1.379	-1.379	0	%100
64	M61	Z	-2.389	-2.389	0	%100
65	M62	X	-8.274	-8.274	0	%100
66	M62	Z	-14.332	-14.332	0	%100
67	M63	X	-4.11	-4.11	0	%100
68	M63	Z	-7.118	-7.118	0	%100
69	M64	X	-8.34	-8.34	0	%100
70	M64	Z	-14.446	-14.446	0	%100
71	M67	X	-4.165	-4.165	0	%100
72	M67	Z	-7.213	-7.213	0	%100
73	M68	X	-.000527	-.000527	0	%100
74	M68	Z	-.000913	-.000913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	M72	X	-4.437	-4.437	0	%100
76	M72	Z	-7.685	-7.685	0	%100
77	M78	X	-8.274	-8.274	0	%100
78	M78	Z	-14.332	-14.332	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-4.367	-4.367	0	%100
84	MP3B	Z	-7.564	-7.564	0	%100
85	M90	X	-4.827	-4.827	0	%100
86	M90	Z	-8.36	-8.36	0	%100
87	MP2B	X	-4.367	-4.367	0	%100
88	MP2B	Z	-7.564	-7.564	0	%100
89	M93A	X	-3.571	-3.571	0	%100
90	M93A	Z	-6.185	-6.185	0	%100
91	M90A	X	-3.965	-3.965	0	%100
92	M90A	Z	-6.867	-6.867	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-3.965	-3.965	0	%100
96	M94	Z	-6.867	-6.867	0	%100
97	MP3C	X	-4.367	-4.367	0	%100
98	MP3C	Z	-7.564	-7.564	0	%100
99	MP2C	X	-4.367	-4.367	0	%100
100	MP2C	Z	-7.564	-7.564	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-4.593	-4.593	0	%100
104	M110	Z	-7.956	-7.956	0	%100
105	M111	X	-4.593	-4.593	0	%100
106	M111	Z	-7.956	-7.956	0	%100
107	MP4A	X	-4.367	-4.367	0	%100
108	MP4A	Z	-7.564	-7.564	0	%100
109	MP1A	X	-4.367	-4.367	0	%100
110	MP1A	Z	-7.564	-7.564	0	%100
111	MP4C	X	-4.367	-4.367	0	%100
112	MP4C	Z	-7.564	-7.564	0	%100
113	MP1C	X	-4.367	-4.367	0	%100
114	MP1C	Z	-7.564	-7.564	0	%100
115	MP4B	X	-4.367	-4.367	0	%100
116	MP4B	Z	-7.564	-7.564	0	%100
117	MP1B	X	-4.367	-4.367	0	%100
118	MP1B	Z	-7.564	-7.564	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-3.577	-3.577	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	-3.577	-3.577	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-.759	-.759	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-2.605	-2.605	0	%100
9	M1	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M1	Z	-3.236	-3.236	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-4.185	-4.185	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	-2.425	-2.425	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	-1.052	-1.052	0	%100
19	M61A	X	0	0	0	%100
20	M61A	Z	-2.425	-2.425	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	-1.052	-1.052	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	-.759	-.759	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	-1.027	-1.027	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	-1.027	-1.027	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	-2.147	-2.147	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-2.605	-2.605	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	-.894	-.894	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.894	-.894	0	%100
37	M34B	X	0	0	0	%100
38	M34B	Z	-2.928	-2.928	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	-2.217	-2.217	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	-1.046	-1.046	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-.618	-.618	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	-1.003	-1.003	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-.594	-.594	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-4.109	-4.109	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-.706	-.706	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	-1.027	-1.027	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	-4.109	-4.109	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	-.894	-.894	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-.894	-.894	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-.706	-.706	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-2.217	-2.217	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-1.046	-1.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M63	X	0	0	0	%100
68	M63	Z	-.594	-.594	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-4.109	-4.109	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-.618	-.618	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-1.003	-1.003	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-2.928	-2.928	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	-4.109	-4.109	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-1.027	-1.027	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	-.809	-.809	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-2.605	-2.605	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	-.809	-.809	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-2.605	-2.605	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	-2.147	-2.147	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	-2.885	-2.885	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	-.721	-.721	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-.721	-.721	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-2.605	-2.605	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-2.605	-2.605	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	-.681	-.681	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-.681	-.681	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-2.723	-2.723	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	-2.605	-2.605	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	-2.605	-2.605	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	-2.605	-2.605	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-2.605	-2.605	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-2.605	-2.605	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	-2.605	-2.605	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	1.341	1.341	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M20	Z	-2.323	-2.323	0	%100
3	M109	X	1.341	1.341	0	%100
4	M109	Z	-2.323	-2.323	0	%100
5	M21	X	.000163	.000163	0	%100
6	M21	Z	-.000282	-.000282	0	%100
7	MP3A	X	1.302	1.302	0	%100
8	MP3A	Z	-2.256	-2.256	0	%100
9	M1	X	1.213	1.213	0	%100
10	M1	Z	-2.102	-2.102	0	%100
11	M19	X	.369	.369	0	%100
12	M19	Z	-.64	-.64	0	%100
13	M10	X	1.569	1.569	0	%100
14	M10	Z	-2.718	-2.718	0	%100
15	M49A	X	.903	.903	0	%100
16	M49A	Z	-1.565	-1.565	0	%100
17	M50	X	1.553	1.553	0	%100
18	M50	Z	-2.69	-2.69	0	%100
19	M61A	X	.916	.916	0	%100
20	M61A	Z	-1.586	-1.586	0	%100
21	M62A	X	9.8e-5	9.8e-5	0	%100
22	M62A	Z	-.00017	-.00017	0	%100
23	M34	X	1.112	1.112	0	%100
24	M34	Z	-1.925	-1.925	0	%100
25	M76A	X	1.541	1.541	0	%100
26	M76A	Z	-2.669	-2.669	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	1.074	1.074	0	%100
30	OVP2	Z	-1.859	-1.859	0	%100
31	MP2A	X	1.302	1.302	0	%100
32	MP2A	Z	-2.256	-2.256	0	%100
33	M32A	X	1.341	1.341	0	%100
34	M32A	Z	-2.323	-2.323	0	%100
35	M33	X	1.341	1.341	0	%100
36	M33	Z	-2.323	-2.323	0	%100
37	M34B	X	1.112	1.112	0	%100
38	M34B	Z	-1.925	-1.925	0	%100
39	M35B	X	.369	.369	0	%100
40	M35B	Z	-.64	-.64	0	%100
41	M36A	X	1.569	1.569	0	%100
42	M36A	Z	-2.718	-2.718	0	%100
43	M37	X	.916	.916	0	%100
44	M37	Z	-1.586	-1.586	0	%100
45	M38	X	9.8e-5	9.8e-5	0	%100
46	M38	Z	-.00017	-.00017	0	%100
47	M41	X	.903	.903	0	%100
48	M41	Z	-1.565	-1.565	0	%100
49	M42	X	1.553	1.553	0	%100
50	M42	Z	-2.69	-2.69	0	%100
51	M46	X	.000163	.000163	0	%100
52	M46	Z	-.000282	-.000282	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	1.541	1.541	0	%100
56	M54	Z	-2.669	-2.669	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	1.085	1.085	0	%100
62	M60	Z	-1.879	-1.879	0	%100
63	M61	X	1.478	1.478	0	%100
64	M61	Z	-2.559	-2.559	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	4e-5	4e-5	0	%100
68	M63	Z	-7e-5	-7e-5	0	%100
69	M64	X	1.528	1.528	0	%100
70	M64	Z	-2.647	-2.647	0	%100
71	M67	X	4e-5	4e-5	0	%100
72	M67	Z	-7e-5	-7e-5	0	%100
73	M68	X	1.528	1.528	0	%100
74	M68	Z	-2.647	-2.647	0	%100
75	M72	X	1.085	1.085	0	%100
76	M72	Z	-1.879	-1.879	0	%100
77	M78	X	1.541	1.541	0	%100
78	M78	Z	-2.669	-2.669	0	%100
79	M80	X	1.541	1.541	0	%100
80	M80	Z	-2.669	-2.669	0	%100
81	M85	X	1.213	1.213	0	%100
82	M85	Z	-2.102	-2.102	0	%100
83	MP3B	X	1.302	1.302	0	%100
84	MP3B	Z	-2.256	-2.256	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	1.302	1.302	0	%100
88	MP2B	Z	-2.256	-2.256	0	%100
89	M93A	X	1.074	1.074	0	%100
90	M93A	Z	-1.859	-1.859	0	%100
91	M90A	X	1.082	1.082	0	%100
92	M90A	Z	-1.874	-1.874	0	%100
93	M93B	X	1.082	1.082	0	%100
94	M93B	Z	-1.874	-1.874	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	1.302	1.302	0	%100
98	MP3C	Z	-2.256	-2.256	0	%100
99	MP2C	X	1.302	1.302	0	%100
100	MP2C	Z	-2.256	-2.256	0	%100
101	M109A	X	1.021	1.021	0	%100
102	M109A	Z	-1.769	-1.769	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	1.021	1.021	0	%100
106	M111	Z	-1.769	-1.769	0	%100
107	MP4A	X	1.302	1.302	0	%100
108	MP4A	Z	-2.256	-2.256	0	%100
109	MP1A	X	1.302	1.302	0	%100
110	MP1A	Z	-2.256	-2.256	0	%100
111	MP4C	X	1.302	1.302	0	%100
112	MP4C	Z	-2.256	-2.256	0	%100
113	MP1C	X	1.302	1.302	0	%100
114	MP1C	Z	-2.256	-2.256	0	%100
115	MP4B	X	1.302	1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
116	MP4B	Z	-2.256	-2.256	0	%100
117	MP1B	X	1.302	1.302	0	%100
118	MP1B	Z	-2.256	-2.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.774	.774	0	%100
2	M20	Z	-.447	-.447	0	%100
3	M109	X	.774	.774	0	%100
4	M109	Z	-.447	-.447	0	%100
5	M21	X	.611	.611	0	%100
6	M21	Z	-.353	-.353	0	%100
7	MP3A	X	2.256	2.256	0	%100
8	MP3A	Z	-1.302	-1.302	0	%100
9	M1	X	.701	.701	0	%100
10	M1	Z	-.404	-.404	0	%100
11	M19	X	1.92	1.92	0	%100
12	M19	Z	-1.108	-1.108	0	%100
13	M10	X	.906	.906	0	%100
14	M10	Z	-.523	-.523	0	%100
15	M49A	X	.515	.515	0	%100
16	M49A	Z	-.297	-.297	0	%100
17	M50	X	3.558	3.558	0	%100
18	M50	Z	-2.054	-2.054	0	%100
19	M61A	X	.536	.536	0	%100
20	M61A	Z	-.309	-.309	0	%100
21	M62A	X	.868	.868	0	%100
22	M62A	Z	-.501	-.501	0	%100
23	M34	X	2.536	2.536	0	%100
24	M34	Z	-1.464	-1.464	0	%100
25	M76A	X	3.558	3.558	0	%100
26	M76A	Z	-2.054	-2.054	0	%100
27	M82A	X	.89	.89	0	%100
28	M82A	Z	-.514	-.514	0	%100
29	OVP2	X	1.859	1.859	0	%100
30	OVP2	Z	-1.074	-1.074	0	%100
31	MP2A	X	2.256	2.256	0	%100
32	MP2A	Z	-1.302	-1.302	0	%100
33	M32A	X	3.098	3.098	0	%100
34	M32A	Z	-1.789	-1.789	0	%100
35	M33	X	3.098	3.098	0	%100
36	M33	Z	-1.789	-1.789	0	%100
37	M34B	X	.657	.657	0	%100
38	M34B	Z	-.38	-.38	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	3.624	3.624	0	%100
42	M36A	Z	-2.093	-2.093	0	%100
43	M37	X	2.1	2.1	0	%100
44	M37	Z	-1.213	-1.213	0	%100
45	M38	X	.911	.911	0	%100
46	M38	Z	-.526	-.526	0	%100
47	M41	X	2.1	2.1	0	%100
48	M41	Z	-1.213	-1.213	0	%100
49	M42	X	.911	.911	0	%100
50	M42	Z	-.526	-.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M46	X	.657	.657	0	%100
52	M46	Z	-.38	-.38	0	%100
53	M52A	X	.89	.89	0	%100
54	M52A	Z	-.514	-.514	0	%100
55	M54	X	.89	.89	0	%100
56	M54	Z	-.514	-.514	0	%100
57	M58	X	.774	.774	0	%100
58	M58	Z	-.447	-.447	0	%100
59	M59	X	.774	.774	0	%100
60	M59	Z	-.447	-.447	0	%100
61	M60	X	2.536	2.536	0	%100
62	M60	Z	-1.464	-1.464	0	%100
63	M61	X	1.92	1.92	0	%100
64	M61	Z	-1.108	-1.108	0	%100
65	M62	X	.906	.906	0	%100
66	M62	Z	-.523	-.523	0	%100
67	M63	X	.536	.536	0	%100
68	M63	Z	-.309	-.309	0	%100
69	M64	X	.868	.868	0	%100
70	M64	Z	-.501	-.501	0	%100
71	M67	X	.515	.515	0	%100
72	M67	Z	-.297	-.297	0	%100
73	M68	X	3.558	3.558	0	%100
74	M68	Z	-2.054	-2.054	0	%100
75	M72	X	.611	.611	0	%100
76	M72	Z	-.353	-.353	0	%100
77	M78	X	.89	.89	0	%100
78	M78	Z	-.514	-.514	0	%100
79	M80	X	3.558	3.558	0	%100
80	M80	Z	-2.054	-2.054	0	%100
81	M85	X	2.802	2.802	0	%100
82	M85	Z	-1.618	-1.618	0	%100
83	MP3B	X	2.256	2.256	0	%100
84	MP3B	Z	-1.302	-1.302	0	%100
85	M90	X	.701	.701	0	%100
86	M90	Z	-.404	-.404	0	%100
87	MP2B	X	2.256	2.256	0	%100
88	MP2B	Z	-1.302	-1.302	0	%100
89	M93A	X	1.859	1.859	0	%100
90	M93A	Z	-1.074	-1.074	0	%100
91	M90A	X	.625	.625	0	%100
92	M90A	Z	-.361	-.361	0	%100
93	M93B	X	2.499	2.499	0	%100
94	M93B	Z	-1.443	-1.443	0	%100
95	M94	X	.625	.625	0	%100
96	M94	Z	-.361	-.361	0	%100
97	MP3C	X	2.256	2.256	0	%100
98	MP3C	Z	-1.302	-1.302	0	%100
99	MP2C	X	2.256	2.256	0	%100
100	MP2C	Z	-1.302	-1.302	0	%100
101	M109A	X	2.358	2.358	0	%100
102	M109A	Z	-1.361	-1.361	0	%100
103	M110	X	.59	.59	0	%100
104	M110	Z	-.34	-.34	0	%100
105	M111	X	.59	.59	0	%100
106	M111	Z	-.34	-.34	0	%100
107	MP4A	X	2.256	2.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	MP4A	Z	-1.302	-1.302	0	%100
109	MP1A	X	2.256	2.256	0	%100
110	MP1A	Z	-1.302	-1.302	0	%100
111	MP4C	X	2.256	2.256	0	%100
112	MP4C	Z	-1.302	-1.302	0	%100
113	MP1C	X	2.256	2.256	0	%100
114	MP1C	Z	-1.302	-1.302	0	%100
115	MP4B	X	2.256	2.256	0	%100
116	MP4B	Z	-1.302	-1.302	0	%100
117	MP1B	X	2.256	2.256	0	%100
118	MP1B	Z	-1.302	-1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	0	0	0	%100
5	M21	X	2.17	2.17	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	2.605	2.605	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	2.955	2.955	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	8e-5	8e-5	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	3.057	3.057	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	8e-5	8e-5	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	3.057	3.057	0	%100
22	M62A	Z	0	0	0	%100
23	M34	X	2.17	2.17	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	3.082	3.082	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	3.082	3.082	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	2.147	2.147	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	2.605	2.605	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	2.683	2.683	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	2.683	2.683	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	.000326	.000326	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	.739	.739	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	3.139	3.139	0	%100
42	M36A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M37	X	1.807	1.807	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	3.106	3.106	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	1.831	1.831	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	.000196	.000196	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	2.223	2.223	0	%100
52	M46	Z	0	0	0	%100
53	M52A	X	3.082	3.082	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	2.683	2.683	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	2.683	2.683	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	2.223	2.223	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.739	.739	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	3.139	3.139	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	1.831	1.831	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	.000196	.000196	0	%100
70	M64	Z	0	0	0	%100
71	M67	X	1.807	1.807	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	3.106	3.106	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	.000326	.000326	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100
79	M80	X	3.082	3.082	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	2.427	2.427	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	2.605	2.605	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	2.427	2.427	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	2.605	2.605	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	2.147	2.147	0	%100
90	M93A	Z	0	0	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	2.164	2.164	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	2.164	2.164	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	2.605	2.605	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	2.605	2.605	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
100	MP2C	Z	0	0	0	%100
101	M109A	X	2.042	2.042	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	2.042	2.042	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	2.605	2.605	0	%100
108	MP4A	Z	0	0	0	%100
109	MP1A	X	2.605	2.605	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	2.605	2.605	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	2.605	2.605	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	2.605	2.605	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	2.605	2.605	0	%100
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.774	.774	0	%100
2	M20	Z	.447	.447	0	%100
3	M109	X	.774	.774	0	%100
4	M109	Z	.447	.447	0	%100
5	M21	X	2.536	2.536	0	%100
6	M21	Z	1.464	1.464	0	%100
7	MP3A	X	2.256	2.256	0	%100
8	MP3A	Z	1.302	1.302	0	%100
9	M1	X	.701	.701	0	%100
10	M1	Z	.404	.404	0	%100
11	M19	X	1.92	1.92	0	%100
12	M19	Z	1.108	1.108	0	%100
13	M10	X	.906	.906	0	%100
14	M10	Z	.523	.523	0	%100
15	M49A	X	.536	.536	0	%100
16	M49A	Z	.309	.309	0	%100
17	M50	X	.868	.868	0	%100
18	M50	Z	.501	.501	0	%100
19	M61A	X	.515	.515	0	%100
20	M61A	Z	.297	.297	0	%100
21	M62A	X	3.558	3.558	0	%100
22	M62A	Z	2.054	2.054	0	%100
23	M34	X	.611	.611	0	%100
24	M34	Z	.353	.353	0	%100
25	M76A	X	.89	.89	0	%100
26	M76A	Z	.514	.514	0	%100
27	M82A	X	3.558	3.558	0	%100
28	M82A	Z	2.054	2.054	0	%100
29	OVP2	X	1.859	1.859	0	%100
30	OVP2	Z	1.074	1.074	0	%100
31	MP2A	X	2.256	2.256	0	%100
32	MP2A	Z	1.302	1.302	0	%100
33	M32A	X	.774	.774	0	%100
34	M32A	Z	.447	.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M33	X	.774	.774	0	%100
36	M33	Z	.447	.447	0	%100
37	M34B	X	.611	.611	0	%100
38	M34B	Z	.353	.353	0	%100
39	M35B	X	1.92	1.92	0	%100
40	M35B	Z	1.108	1.108	0	%100
41	M36A	X	.906	.906	0	%100
42	M36A	Z	.523	.523	0	%100
43	M37	X	.515	.515	0	%100
44	M37	Z	.297	.297	0	%100
45	M38	X	3.558	3.558	0	%100
46	M38	Z	2.054	2.054	0	%100
47	M41	X	.536	.536	0	%100
48	M41	Z	.309	.309	0	%100
49	M42	X	.868	.868	0	%100
50	M42	Z	.501	.501	0	%100
51	M46	X	2.536	2.536	0	%100
52	M46	Z	1.464	1.464	0	%100
53	M52A	X	3.558	3.558	0	%100
54	M52A	Z	2.054	2.054	0	%100
55	M54	X	.89	.89	0	%100
56	M54	Z	.514	.514	0	%100
57	M58	X	3.098	3.098	0	%100
58	M58	Z	1.789	1.789	0	%100
59	M59	X	3.098	3.098	0	%100
60	M59	Z	1.789	1.789	0	%100
61	M60	X	.657	.657	0	%100
62	M60	Z	.38	.38	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	3.624	3.624	0	%100
66	M62	Z	2.093	2.093	0	%100
67	M63	X	2.1	2.1	0	%100
68	M63	Z	1.213	1.213	0	%100
69	M64	X	.911	.911	0	%100
70	M64	Z	.526	.526	0	%100
71	M67	X	2.1	2.1	0	%100
72	M67	Z	1.213	1.213	0	%100
73	M68	X	.911	.911	0	%100
74	M68	Z	.526	.526	0	%100
75	M72	X	.657	.657	0	%100
76	M72	Z	.38	.38	0	%100
77	M78	X	.89	.89	0	%100
78	M78	Z	.514	.514	0	%100
79	M80	X	.89	.89	0	%100
80	M80	Z	.514	.514	0	%100
81	M85	X	.701	.701	0	%100
82	M85	Z	.404	.404	0	%100
83	MP3B	X	2.256	2.256	0	%100
84	MP3B	Z	1.302	1.302	0	%100
85	M90	X	2.802	2.802	0	%100
86	M90	Z	1.618	1.618	0	%100
87	MP2B	X	2.256	2.256	0	%100
88	MP2B	Z	1.302	1.302	0	%100
89	M93A	X	1.859	1.859	0	%100
90	M93A	Z	1.074	1.074	0	%100
91	M90A	X	.625	.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	M90A	Z	.361	.361	0	%100
93	M93B	X	.625	.625	0	%100
94	M93B	Z	.361	.361	0	%100
95	M94	X	2.499	2.499	0	%100
96	M94	Z	1.443	1.443	0	%100
97	MP3C	X	2.256	2.256	0	%100
98	MP3C	Z	1.302	1.302	0	%100
99	MP2C	X	2.256	2.256	0	%100
100	MP2C	Z	1.302	1.302	0	%100
101	M109A	X	.59	.59	0	%100
102	M109A	Z	.34	.34	0	%100
103	M110	X	2.358	2.358	0	%100
104	M110	Z	1.361	1.361	0	%100
105	M111	X	.59	.59	0	%100
106	M111	Z	.34	.34	0	%100
107	MP4A	X	2.256	2.256	0	%100
108	MP4A	Z	1.302	1.302	0	%100
109	MP1A	X	2.256	2.256	0	%100
110	MP1A	Z	1.302	1.302	0	%100
111	MP4C	X	2.256	2.256	0	%100
112	MP4C	Z	1.302	1.302	0	%100
113	MP1C	X	2.256	2.256	0	%100
114	MP1C	Z	1.302	1.302	0	%100
115	MP4B	X	2.256	2.256	0	%100
116	MP4B	Z	1.302	1.302	0	%100
117	MP1B	X	2.256	2.256	0	%100
118	MP1B	Z	1.302	1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	1.341	1.341	0	%100
2	M20	Z	2.323	2.323	0	%100
3	M109	X	1.341	1.341	0	%100
4	M109	Z	2.323	2.323	0	%100
5	M21	X	1.112	1.112	0	%100
6	M21	Z	1.925	1.925	0	%100
7	MP3A	X	1.302	1.302	0	%100
8	MP3A	Z	2.256	2.256	0	%100
9	M1	X	1.213	1.213	0	%100
10	M1	Z	2.102	2.102	0	%100
11	M19	X	.369	.369	0	%100
12	M19	Z	.64	.64	0	%100
13	M10	X	1.569	1.569	0	%100
14	M10	Z	2.718	2.718	0	%100
15	M49A	X	.916	.916	0	%100
16	M49A	Z	1.586	1.586	0	%100
17	M50	X	9.8e-5	9.8e-5	0	%100
18	M50	Z	.00017	.00017	0	%100
19	M61A	X	.903	.903	0	%100
20	M61A	Z	1.565	1.565	0	%100
21	M62A	X	1.553	1.553	0	%100
22	M62A	Z	2.69	2.69	0	%100
23	M34	X	.000163	.000163	0	%100
24	M34	Z	.000282	.000282	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M82A	X	1.541	1.541	0	%100
28	M82A	Z	2.669	2.669	0	%100
29	OVP2	X	1.074	1.074	0	%100
30	OVP2	Z	1.859	1.859	0	%100
31	MP2A	X	1.302	1.302	0	%100
32	MP2A	Z	2.256	2.256	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	1.085	1.085	0	%100
38	M34B	Z	1.879	1.879	0	%100
39	M35B	X	1.478	1.478	0	%100
40	M35B	Z	2.559	2.559	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	4e-5	4e-5	0	%100
44	M37	Z	7e-5	7e-5	0	%100
45	M38	X	1.528	1.528	0	%100
46	M38	Z	2.647	2.647	0	%100
47	M41	X	4e-5	4e-5	0	%100
48	M41	Z	7e-5	7e-5	0	%100
49	M42	X	1.528	1.528	0	%100
50	M42	Z	2.647	2.647	0	%100
51	M46	X	1.085	1.085	0	%100
52	M46	Z	1.879	1.879	0	%100
53	M52A	X	1.541	1.541	0	%100
54	M52A	Z	2.669	2.669	0	%100
55	M54	X	1.541	1.541	0	%100
56	M54	Z	2.669	2.669	0	%100
57	M58	X	1.341	1.341	0	%100
58	M58	Z	2.323	2.323	0	%100
59	M59	X	1.341	1.341	0	%100
60	M59	Z	2.323	2.323	0	%100
61	M60	X	.000163	.000163	0	%100
62	M60	Z	.000282	.000282	0	%100
63	M61	X	.369	.369	0	%100
64	M61	Z	.64	.64	0	%100
65	M62	X	1.569	1.569	0	%100
66	M62	Z	2.718	2.718	0	%100
67	M63	X	.903	.903	0	%100
68	M63	Z	1.565	1.565	0	%100
69	M64	X	1.553	1.553	0	%100
70	M64	Z	2.69	2.69	0	%100
71	M67	X	.916	.916	0	%100
72	M67	Z	1.586	1.586	0	%100
73	M68	X	9.8e-5	9.8e-5	0	%100
74	M68	Z	.00017	.00017	0	%100
75	M72	X	1.112	1.112	0	%100
76	M72	Z	1.925	1.925	0	%100
77	M78	X	1.541	1.541	0	%100
78	M78	Z	2.669	2.669	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	1.302	1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
84	MP3B	Z	2.256	2.256	0	%100
85	M90	X	1.213	1.213	0	%100
86	M90	Z	2.102	2.102	0	%100
87	MP2B	X	1.302	1.302	0	%100
88	MP2B	Z	2.256	2.256	0	%100
89	M93A	X	1.074	1.074	0	%100
90	M93A	Z	1.859	1.859	0	%100
91	M90A	X	1.082	1.082	0	%100
92	M90A	Z	1.874	1.874	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	1.082	1.082	0	%100
96	M94	Z	1.874	1.874	0	%100
97	MP3C	X	1.302	1.302	0	%100
98	MP3C	Z	2.256	2.256	0	%100
99	MP2C	X	1.302	1.302	0	%100
100	MP2C	Z	2.256	2.256	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	1.021	1.021	0	%100
104	M110	Z	1.769	1.769	0	%100
105	M111	X	1.021	1.021	0	%100
106	M111	Z	1.769	1.769	0	%100
107	MP4A	X	1.302	1.302	0	%100
108	MP4A	Z	2.256	2.256	0	%100
109	MP1A	X	1.302	1.302	0	%100
110	MP1A	Z	2.256	2.256	0	%100
111	MP4C	X	1.302	1.302	0	%100
112	MP4C	Z	2.256	2.256	0	%100
113	MP1C	X	1.302	1.302	0	%100
114	MP1C	Z	2.256	2.256	0	%100
115	MP4B	X	1.302	1.302	0	%100
116	MP4B	Z	2.256	2.256	0	%100
117	MP1B	X	1.302	1.302	0	%100
118	MP1B	Z	2.256	2.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	3.577	3.577	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	3.577	3.577	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	.759	.759	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	2.605	2.605	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	3.236	3.236	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	4.185	4.185	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	2.425	2.425	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	1.052	1.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M61A	X	0	0	0	%100
20	M61A	Z	2.425	2.425	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	1.052	1.052	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	.759	.759	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	1.027	1.027	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	1.027	1.027	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	2.147	2.147	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	2.605	2.605	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	.894	.894	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.894	.894	0	%100
37	M34B	X	0	0	0	%100
38	M34B	Z	2.928	2.928	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	2.217	2.217	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	1.046	1.046	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	.618	.618	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	1.003	1.003	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	.594	.594	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	4.109	4.109	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	.706	.706	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	1.027	1.027	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	4.109	4.109	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	.894	.894	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	.894	.894	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.706	.706	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	2.217	2.217	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	1.046	1.046	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	.594	.594	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	4.109	4.109	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	.618	.618	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	1.003	1.003	0	%100
75	M72	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M72	Z	2.928	2.928	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	4.109	4.109	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	1.027	1.027	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	.809	.809	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	2.605	2.605	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	.809	.809	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	2.605	2.605	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	2.147	2.147	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	2.885	2.885	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	.721	.721	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	.721	.721	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	2.605	2.605	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	2.605	2.605	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	.681	.681	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	.681	.681	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	2.723	2.723	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	2.605	2.605	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	2.605	2.605	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	2.605	2.605	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	2.605	2.605	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	2.605	2.605	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	2.605	2.605	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-1.341	-1.341	0	%100
2	M20	Z	2.323	2.323	0	%100
3	M109	X	-1.341	-1.341	0	%100
4	M109	Z	2.323	2.323	0	%100
5	M21	X	-.000163	-.000163	0	%100
6	M21	Z	.000282	.000282	0	%100
7	MP3A	X	-1.302	-1.302	0	%100
8	MP3A	Z	2.256	2.256	0	%100
9	M1	X	-1.213	-1.213	0	%100
10	M1	Z	2.102	2.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M19	X	-.369	-.369	0	%100
12	M19	Z	.64	.64	0	%100
13	M10	X	-1.569	-1.569	0	%100
14	M10	Z	2.718	2.718	0	%100
15	M49A	X	-.903	-.903	0	%100
16	M49A	Z	1.565	1.565	0	%100
17	M50	X	-1.553	-1.553	0	%100
18	M50	Z	2.69	2.69	0	%100
19	M61A	X	-.916	-.916	0	%100
20	M61A	Z	1.586	1.586	0	%100
21	M62A	X	-9.8e-5	-9.8e-5	0	%100
22	M62A	Z	.00017	.00017	0	%100
23	M34	X	-1.112	-1.112	0	%100
24	M34	Z	1.925	1.925	0	%100
25	M76A	X	-1.541	-1.541	0	%100
26	M76A	Z	2.669	2.669	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	-1.074	-1.074	0	%100
30	OVP2	Z	1.859	1.859	0	%100
31	MP2A	X	-1.302	-1.302	0	%100
32	MP2A	Z	2.256	2.256	0	%100
33	M32A	X	-1.341	-1.341	0	%100
34	M32A	Z	2.323	2.323	0	%100
35	M33	X	-1.341	-1.341	0	%100
36	M33	Z	2.323	2.323	0	%100
37	M34B	X	-1.112	-1.112	0	%100
38	M34B	Z	1.925	1.925	0	%100
39	M35B	X	-.369	-.369	0	%100
40	M35B	Z	.64	.64	0	%100
41	M36A	X	-1.569	-1.569	0	%100
42	M36A	Z	2.718	2.718	0	%100
43	M37	X	-.916	-.916	0	%100
44	M37	Z	1.586	1.586	0	%100
45	M38	X	-9.8e-5	-9.8e-5	0	%100
46	M38	Z	.00017	.00017	0	%100
47	M41	X	-.903	-.903	0	%100
48	M41	Z	1.565	1.565	0	%100
49	M42	X	-1.553	-1.553	0	%100
50	M42	Z	2.69	2.69	0	%100
51	M46	X	-.000163	-.000163	0	%100
52	M46	Z	.000282	.000282	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	-1.541	-1.541	0	%100
56	M54	Z	2.669	2.669	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-1.085	-1.085	0	%100
62	M60	Z	1.879	1.879	0	%100
63	M61	X	-1.478	-1.478	0	%100
64	M61	Z	2.559	2.559	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-4e-5	-4e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M63	Z	7e-5	7e-5	0	%100
69	M64	X	-1.528	-1.528	0	%100
70	M64	Z	2.647	2.647	0	%100
71	M67	X	-4e-5	-4e-5	0	%100
72	M67	Z	7e-5	7e-5	0	%100
73	M68	X	-1.528	-1.528	0	%100
74	M68	Z	2.647	2.647	0	%100
75	M72	X	-1.085	-1.085	0	%100
76	M72	Z	1.879	1.879	0	%100
77	M78	X	-1.541	-1.541	0	%100
78	M78	Z	2.669	2.669	0	%100
79	M80	X	-1.541	-1.541	0	%100
80	M80	Z	2.669	2.669	0	%100
81	M85	X	-1.213	-1.213	0	%100
82	M85	Z	2.102	2.102	0	%100
83	MP3B	X	-1.302	-1.302	0	%100
84	MP3B	Z	2.256	2.256	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	-1.302	-1.302	0	%100
88	MP2B	Z	2.256	2.256	0	%100
89	M93A	X	-1.074	-1.074	0	%100
90	M93A	Z	1.859	1.859	0	%100
91	M90A	X	-1.082	-1.082	0	%100
92	M90A	Z	1.874	1.874	0	%100
93	M93B	X	-1.082	-1.082	0	%100
94	M93B	Z	1.874	1.874	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-1.302	-1.302	0	%100
98	MP3C	Z	2.256	2.256	0	%100
99	MP2C	X	-1.302	-1.302	0	%100
100	MP2C	Z	2.256	2.256	0	%100
101	M109A	X	-1.021	-1.021	0	%100
102	M109A	Z	1.769	1.769	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-1.021	-1.021	0	%100
106	M111	Z	1.769	1.769	0	%100
107	MP4A	X	-1.302	-1.302	0	%100
108	MP4A	Z	2.256	2.256	0	%100
109	MP1A	X	-1.302	-1.302	0	%100
110	MP1A	Z	2.256	2.256	0	%100
111	MP4C	X	-1.302	-1.302	0	%100
112	MP4C	Z	2.256	2.256	0	%100
113	MP1C	X	-1.302	-1.302	0	%100
114	MP1C	Z	2.256	2.256	0	%100
115	MP4B	X	-1.302	-1.302	0	%100
116	MP4B	Z	2.256	2.256	0	%100
117	MP1B	X	-1.302	-1.302	0	%100
118	MP1B	Z	2.256	2.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.774	-.774	0	%100
2	M20	Z	.447	.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M109	X	-.774	-.774	0	%100
4	M109	Z	.447	.447	0	%100
5	M21	X	-.611	-.611	0	%100
6	M21	Z	.353	.353	0	%100
7	MP3A	X	-2.256	-2.256	0	%100
8	MP3A	Z	1.302	1.302	0	%100
9	M1	X	-.701	-.701	0	%100
10	M1	Z	.404	.404	0	%100
11	M19	X	-1.92	-1.92	0	%100
12	M19	Z	1.108	1.108	0	%100
13	M10	X	-.906	-.906	0	%100
14	M10	Z	.523	.523	0	%100
15	M49A	X	-.515	-.515	0	%100
16	M49A	Z	.297	.297	0	%100
17	M50	X	-3.558	-3.558	0	%100
18	M50	Z	2.054	2.054	0	%100
19	M61A	X	-.536	-.536	0	%100
20	M61A	Z	.309	.309	0	%100
21	M62A	X	-.868	-.868	0	%100
22	M62A	Z	.501	.501	0	%100
23	M34	X	-2.536	-2.536	0	%100
24	M34	Z	1.464	1.464	0	%100
25	M76A	X	-3.558	-3.558	0	%100
26	M76A	Z	2.054	2.054	0	%100
27	M82A	X	-.89	-.89	0	%100
28	M82A	Z	.514	.514	0	%100
29	OVP2	X	-1.859	-1.859	0	%100
30	OVP2	Z	1.074	1.074	0	%100
31	MP2A	X	-2.256	-2.256	0	%100
32	MP2A	Z	1.302	1.302	0	%100
33	M32A	X	-3.098	-3.098	0	%100
34	M32A	Z	1.789	1.789	0	%100
35	M33	X	-3.098	-3.098	0	%100
36	M33	Z	1.789	1.789	0	%100
37	M34B	X	-.657	-.657	0	%100
38	M34B	Z	.38	.38	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-3.624	-3.624	0	%100
42	M36A	Z	2.093	2.093	0	%100
43	M37	X	-2.1	-2.1	0	%100
44	M37	Z	1.213	1.213	0	%100
45	M38	X	-.911	-.911	0	%100
46	M38	Z	.526	.526	0	%100
47	M41	X	-2.1	-2.1	0	%100
48	M41	Z	1.213	1.213	0	%100
49	M42	X	-.911	-.911	0	%100
50	M42	Z	.526	.526	0	%100
51	M46	X	-.657	-.657	0	%100
52	M46	Z	.38	.38	0	%100
53	M52A	X	-.89	-.89	0	%100
54	M52A	Z	.514	.514	0	%100
55	M54	X	-.89	-.89	0	%100
56	M54	Z	.514	.514	0	%100
57	M58	X	-.774	-.774	0	%100
58	M58	Z	.447	.447	0	%100
59	M59	X	-.774	-.774	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M59	Z	.447	.447	0	%100
61	M60	X	-2.536	-2.536	0	%100
62	M60	Z	1.464	1.464	0	%100
63	M61	X	-1.92	-1.92	0	%100
64	M61	Z	1.108	1.108	0	%100
65	M62	X	-.906	-.906	0	%100
66	M62	Z	.523	.523	0	%100
67	M63	X	-.536	-.536	0	%100
68	M63	Z	.309	.309	0	%100
69	M64	X	-.868	-.868	0	%100
70	M64	Z	.501	.501	0	%100
71	M67	X	-.515	-.515	0	%100
72	M67	Z	.297	.297	0	%100
73	M68	X	-3.558	-3.558	0	%100
74	M68	Z	2.054	2.054	0	%100
75	M72	X	-.611	-.611	0	%100
76	M72	Z	.353	.353	0	%100
77	M78	X	-.89	-.89	0	%100
78	M78	Z	.514	.514	0	%100
79	M80	X	-3.558	-3.558	0	%100
80	M80	Z	2.054	2.054	0	%100
81	M85	X	-2.802	-2.802	0	%100
82	M85	Z	1.618	1.618	0	%100
83	MP3B	X	-2.256	-2.256	0	%100
84	MP3B	Z	1.302	1.302	0	%100
85	M90	X	-.701	-.701	0	%100
86	M90	Z	.404	.404	0	%100
87	MP2B	X	-2.256	-2.256	0	%100
88	MP2B	Z	1.302	1.302	0	%100
89	M93A	X	-1.859	-1.859	0	%100
90	M93A	Z	1.074	1.074	0	%100
91	M90A	X	-.625	-.625	0	%100
92	M90A	Z	.361	.361	0	%100
93	M93B	X	-2.499	-2.499	0	%100
94	M93B	Z	1.443	1.443	0	%100
95	M94	X	-.625	-.625	0	%100
96	M94	Z	.361	.361	0	%100
97	MP3C	X	-2.256	-2.256	0	%100
98	MP3C	Z	1.302	1.302	0	%100
99	MP2C	X	-2.256	-2.256	0	%100
100	MP2C	Z	1.302	1.302	0	%100
101	M109A	X	-2.358	-2.358	0	%100
102	M109A	Z	1.361	1.361	0	%100
103	M110	X	-.59	-.59	0	%100
104	M110	Z	.34	.34	0	%100
105	M111	X	-.59	-.59	0	%100
106	M111	Z	.34	.34	0	%100
107	MP4A	X	-2.256	-2.256	0	%100
108	MP4A	Z	1.302	1.302	0	%100
109	MP1A	X	-2.256	-2.256	0	%100
110	MP1A	Z	1.302	1.302	0	%100
111	MP4C	X	-2.256	-2.256	0	%100
112	MP4C	Z	1.302	1.302	0	%100
113	MP1C	X	-2.256	-2.256	0	%100
114	MP1C	Z	1.302	1.302	0	%100
115	MP4B	X	-2.256	-2.256	0	%100
116	MP4B	Z	1.302	1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	MP1B	X	-2.256	-2.256	0	%100
118	MP1B	Z	1.302	1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	0	0	0	%100
5	M21	X	-2.17	-2.17	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	-2.605	-2.605	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	-2.955	-2.955	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	-8e-5	-8e-5	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	-3.057	-3.057	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	-8e-5	-8e-5	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	-3.057	-3.057	0	%100
22	M62A	Z	0	0	0	%100
23	M34	X	-2.17	-2.17	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	-3.082	-3.082	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-3.082	-3.082	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	-2.147	-2.147	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	-2.605	-2.605	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	-2.683	-2.683	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	-2.683	-2.683	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	-.000326	-.000326	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	-.739	-.739	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-3.139	-3.139	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-1.807	-1.807	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-3.106	-3.106	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-1.831	-1.831	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-.000196	-.000196	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	-2.223	-2.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M46	Z	0	0	0	%100
53	M52A	X	-3.082	-3.082	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	-2.683	-2.683	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	-2.683	-2.683	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-2.223	-2.223	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.739	-.739	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-3.139	-3.139	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-1.831	-1.831	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-.000196	-.000196	0	%100
70	M64	Z	0	0	0	%100
71	M67	X	-1.807	-1.807	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	-3.106	-3.106	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	-.000326	-.000326	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100
79	M80	X	-3.082	-3.082	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	-2.427	-2.427	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-2.605	-2.605	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	-2.427	-2.427	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	-2.605	-2.605	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	-2.147	-2.147	0	%100
90	M93A	Z	0	0	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	-2.164	-2.164	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-2.164	-2.164	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-2.605	-2.605	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	-2.605	-2.605	0	%100
100	MP2C	Z	0	0	0	%100
101	M109A	X	-2.042	-2.042	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-2.042	-2.042	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	-2.605	-2.605	0	%100
108	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	MP1A	X	-2.605	-2.605	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	-2.605	-2.605	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	-2.605	-2.605	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	-2.605	-2.605	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	-2.605	-2.605	0	%100
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.774	-.774	0	%100
2	M20	Z	-.447	-.447	0	%100
3	M109	X	-.774	-.774	0	%100
4	M109	Z	-.447	-.447	0	%100
5	M21	X	-2.536	-2.536	0	%100
6	M21	Z	-1.464	-1.464	0	%100
7	MP3A	X	-2.256	-2.256	0	%100
8	MP3A	Z	-1.302	-1.302	0	%100
9	M1	X	-.701	-.701	0	%100
10	M1	Z	-.404	-.404	0	%100
11	M19	X	-1.92	-1.92	0	%100
12	M19	Z	-1.108	-1.108	0	%100
13	M10	X	-.906	-.906	0	%100
14	M10	Z	-.523	-.523	0	%100
15	M49A	X	-.536	-.536	0	%100
16	M49A	Z	-.309	-.309	0	%100
17	M50	X	-.868	-.868	0	%100
18	M50	Z	-.501	-.501	0	%100
19	M61A	X	-.515	-.515	0	%100
20	M61A	Z	-.297	-.297	0	%100
21	M62A	X	-3.558	-3.558	0	%100
22	M62A	Z	-2.054	-2.054	0	%100
23	M34	X	-.611	-.611	0	%100
24	M34	Z	-.353	-.353	0	%100
25	M76A	X	-.89	-.89	0	%100
26	M76A	Z	-.514	-.514	0	%100
27	M82A	X	-3.558	-3.558	0	%100
28	M82A	Z	-2.054	-2.054	0	%100
29	OVP2	X	-1.859	-1.859	0	%100
30	OVP2	Z	-1.074	-1.074	0	%100
31	MP2A	X	-2.256	-2.256	0	%100
32	MP2A	Z	-1.302	-1.302	0	%100
33	M32A	X	-.774	-.774	0	%100
34	M32A	Z	-.447	-.447	0	%100
35	M33	X	-.774	-.774	0	%100
36	M33	Z	-.447	-.447	0	%100
37	M34B	X	-.611	-.611	0	%100
38	M34B	Z	-.353	-.353	0	%100
39	M35B	X	-1.92	-1.92	0	%100
40	M35B	Z	-1.108	-1.108	0	%100
41	M36A	X	-.906	-.906	0	%100
42	M36A	Z	-.523	-.523	0	%100
43	M37	X	-.515	-.515	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	M37	Z	-.297	-.297	0	%100
45	M38	X	-3.558	-3.558	0	%100
46	M38	Z	-2.054	-2.054	0	%100
47	M41	X	-.536	-.536	0	%100
48	M41	Z	-.309	-.309	0	%100
49	M42	X	-.868	-.868	0	%100
50	M42	Z	-.501	-.501	0	%100
51	M46	X	-2.536	-2.536	0	%100
52	M46	Z	-1.464	-1.464	0	%100
53	M52A	X	-3.558	-3.558	0	%100
54	M52A	Z	-2.054	-2.054	0	%100
55	M54	X	-.89	-.89	0	%100
56	M54	Z	-.514	-.514	0	%100
57	M58	X	-3.098	-3.098	0	%100
58	M58	Z	-1.789	-1.789	0	%100
59	M59	X	-3.098	-3.098	0	%100
60	M59	Z	-1.789	-1.789	0	%100
61	M60	X	-.657	-.657	0	%100
62	M60	Z	-.38	-.38	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-3.624	-3.624	0	%100
66	M62	Z	-2.093	-2.093	0	%100
67	M63	X	-2.1	-2.1	0	%100
68	M63	Z	-1.213	-1.213	0	%100
69	M64	X	-.911	-.911	0	%100
70	M64	Z	-.526	-.526	0	%100
71	M67	X	-2.1	-2.1	0	%100
72	M67	Z	-1.213	-1.213	0	%100
73	M68	X	-.911	-.911	0	%100
74	M68	Z	-.526	-.526	0	%100
75	M72	X	-.657	-.657	0	%100
76	M72	Z	-.38	-.38	0	%100
77	M78	X	-.89	-.89	0	%100
78	M78	Z	-.514	-.514	0	%100
79	M80	X	-.89	-.89	0	%100
80	M80	Z	-.514	-.514	0	%100
81	M85	X	-.701	-.701	0	%100
82	M85	Z	-.404	-.404	0	%100
83	MP3B	X	-2.256	-2.256	0	%100
84	MP3B	Z	-1.302	-1.302	0	%100
85	M90	X	-2.802	-2.802	0	%100
86	M90	Z	-1.618	-1.618	0	%100
87	MP2B	X	-2.256	-2.256	0	%100
88	MP2B	Z	-1.302	-1.302	0	%100
89	M93A	X	-1.859	-1.859	0	%100
90	M93A	Z	-1.074	-1.074	0	%100
91	M90A	X	-.625	-.625	0	%100
92	M90A	Z	-.361	-.361	0	%100
93	M93B	X	-.625	-.625	0	%100
94	M93B	Z	-.361	-.361	0	%100
95	M94	X	-2.499	-2.499	0	%100
96	M94	Z	-1.443	-1.443	0	%100
97	MP3C	X	-2.256	-2.256	0	%100
98	MP3C	Z	-1.302	-1.302	0	%100
99	MP2C	X	-2.256	-2.256	0	%100
100	MP2C	Z	-1.302	-1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
101	M109A	X	-.59	-.59	0	%100
102	M109A	Z	-.34	-.34	0	%100
103	M110	X	-2.358	-2.358	0	%100
104	M110	Z	-1.361	-1.361	0	%100
105	M111	X	-.59	-.59	0	%100
106	M111	Z	-.34	-.34	0	%100
107	MP4A	X	-2.256	-2.256	0	%100
108	MP4A	Z	-1.302	-1.302	0	%100
109	MP1A	X	-2.256	-2.256	0	%100
110	MP1A	Z	-1.302	-1.302	0	%100
111	MP4C	X	-2.256	-2.256	0	%100
112	MP4C	Z	-1.302	-1.302	0	%100
113	MP1C	X	-2.256	-2.256	0	%100
114	MP1C	Z	-1.302	-1.302	0	%100
115	MP4B	X	-2.256	-2.256	0	%100
116	MP4B	Z	-1.302	-1.302	0	%100
117	MP1B	X	-2.256	-2.256	0	%100
118	MP1B	Z	-1.302	-1.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-1.341	-1.341	0	%100
2	M20	Z	-2.323	-2.323	0	%100
3	M109	X	-1.341	-1.341	0	%100
4	M109	Z	-2.323	-2.323	0	%100
5	M21	X	-1.112	-1.112	0	%100
6	M21	Z	-1.925	-1.925	0	%100
7	MP3A	X	-1.302	-1.302	0	%100
8	MP3A	Z	-2.256	-2.256	0	%100
9	M1	X	-1.213	-1.213	0	%100
10	M1	Z	-2.102	-2.102	0	%100
11	M19	X	-.369	-.369	0	%100
12	M19	Z	-.64	-.64	0	%100
13	M10	X	-1.569	-1.569	0	%100
14	M10	Z	-2.718	-2.718	0	%100
15	M49A	X	-.916	-.916	0	%100
16	M49A	Z	-1.586	-1.586	0	%100
17	M50	X	-9.8e-5	-9.8e-5	0	%100
18	M50	Z	-.00017	-.00017	0	%100
19	M61A	X	-.903	-.903	0	%100
20	M61A	Z	-1.565	-1.565	0	%100
21	M62A	X	-1.553	-1.553	0	%100
22	M62A	Z	-2.69	-2.69	0	%100
23	M34	X	-.000163	-.000163	0	%100
24	M34	Z	-.000282	-.000282	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-1.541	-1.541	0	%100
28	M82A	Z	-2.669	-2.669	0	%100
29	OVP2	X	-1.074	-1.074	0	%100
30	OVP2	Z	-1.859	-1.859	0	%100
31	MP2A	X	-1.302	-1.302	0	%100
32	MP2A	Z	-2.256	-2.256	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M33	Z	0	0	0	%100
37	M34B	X	-1.085	-1.085	0	%100
38	M34B	Z	-1.879	-1.879	0	%100
39	M35B	X	-1.478	-1.478	0	%100
40	M35B	Z	-2.559	-2.559	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-4e-5	-4e-5	0	%100
44	M37	Z	-7e-5	-7e-5	0	%100
45	M38	X	-1.528	-1.528	0	%100
46	M38	Z	-2.647	-2.647	0	%100
47	M41	X	-4e-5	-4e-5	0	%100
48	M41	Z	-7e-5	-7e-5	0	%100
49	M42	X	-1.528	-1.528	0	%100
50	M42	Z	-2.647	-2.647	0	%100
51	M46	X	-1.085	-1.085	0	%100
52	M46	Z	-1.879	-1.879	0	%100
53	M52A	X	-1.541	-1.541	0	%100
54	M52A	Z	-2.669	-2.669	0	%100
55	M54	X	-1.541	-1.541	0	%100
56	M54	Z	-2.669	-2.669	0	%100
57	M58	X	-1.341	-1.341	0	%100
58	M58	Z	-2.323	-2.323	0	%100
59	M59	X	-1.341	-1.341	0	%100
60	M59	Z	-2.323	-2.323	0	%100
61	M60	X	-.000163	-.000163	0	%100
62	M60	Z	-.000282	-.000282	0	%100
63	M61	X	-.369	-.369	0	%100
64	M61	Z	-.64	-.64	0	%100
65	M62	X	-1.569	-1.569	0	%100
66	M62	Z	-2.718	-2.718	0	%100
67	M63	X	-.903	-.903	0	%100
68	M63	Z	-1.565	-1.565	0	%100
69	M64	X	-1.553	-1.553	0	%100
70	M64	Z	-2.69	-2.69	0	%100
71	M67	X	-.916	-.916	0	%100
72	M67	Z	-1.586	-1.586	0	%100
73	M68	X	-9.8e-5	-9.8e-5	0	%100
74	M68	Z	-.00017	-.00017	0	%100
75	M72	X	-1.112	-1.112	0	%100
76	M72	Z	-1.925	-1.925	0	%100
77	M78	X	-1.541	-1.541	0	%100
78	M78	Z	-2.669	-2.669	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-1.302	-1.302	0	%100
84	MP3B	Z	-2.256	-2.256	0	%100
85	M90	X	-1.213	-1.213	0	%100
86	M90	Z	-2.102	-2.102	0	%100
87	MP2B	X	-1.302	-1.302	0	%100
88	MP2B	Z	-2.256	-2.256	0	%100
89	M93A	X	-1.074	-1.074	0	%100
90	M93A	Z	-1.859	-1.859	0	%100
91	M90A	X	-1.082	-1.082	0	%100
92	M90A	Z	-1.874	-1.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-1.082	-1.082	0	%100
96	M94	Z	-1.874	-1.874	0	%100
97	MP3C	X	-1.302	-1.302	0	%100
98	MP3C	Z	-2.256	-2.256	0	%100
99	MP2C	X	-1.302	-1.302	0	%100
100	MP2C	Z	-2.256	-2.256	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-1.021	-1.021	0	%100
104	M110	Z	-1.769	-1.769	0	%100
105	M111	X	-1.021	-1.021	0	%100
106	M111	Z	-1.769	-1.769	0	%100
107	MP4A	X	-1.302	-1.302	0	%100
108	MP4A	Z	-2.256	-2.256	0	%100
109	MP1A	X	-1.302	-1.302	0	%100
110	MP1A	Z	-2.256	-2.256	0	%100
111	MP4C	X	-1.302	-1.302	0	%100
112	MP4C	Z	-2.256	-2.256	0	%100
113	MP1C	X	-1.302	-1.302	0	%100
114	MP1C	Z	-2.256	-2.256	0	%100
115	MP4B	X	-1.302	-1.302	0	%100
116	MP4B	Z	-2.256	-2.256	0	%100
117	MP1B	X	-1.302	-1.302	0	%100
118	MP1B	Z	-2.256	-2.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	-.939	-.939	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	-.939	-.939	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	-.166	-.166	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.48	-.48	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	-.707	-.707	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-1.212	-1.212	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	-.606	-.606	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	-.31	-.31	0	%100
19	M61A	X	0	0	0	%100
20	M61A	Z	-.606	-.606	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	-.31	-.31	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	-.166	-.166	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	-.303	-.303	0	%100
27	M82A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M82A	Z	-.303	-.303	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	-.392	-.392	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-.48	-.48	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	-.235	-.235	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.235	-.235	0	%100
37	M34B	X	0	0	0	%100
38	M34B	Z	-.642	-.642	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	-.455	-.455	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	-.303	-.303	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	-.155	-.155	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	-.296	-.296	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	-.148	-.148	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	-1.212	-1.212	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-.155	-.155	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	-.303	-.303	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	-1.212	-1.212	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	-.235	-.235	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	-.235	-.235	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-.155	-.155	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.455	-.455	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-.303	-.303	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	-.148	-.148	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-1.212	-1.212	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-.155	-.155	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	-.296	-.296	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-.642	-.642	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	-1.212	-1.212	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.303	-.303	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	-.177	-.177	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	-.48	-.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M90	X	0	0	0	%100
86	M90	Z	-.177	-.177	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-.48	-.48	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	-.392	-.392	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	-.581	-.581	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	-.145	-.145	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-.145	-.145	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	-.48	-.48	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-.48	-.48	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	-.168	-.168	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-.168	-.168	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	-.673	-.673	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	-.48	-.48	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	-.48	-.48	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	-.48	-.48	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-.48	-.48	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-.48	-.48	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	-.48	-.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.352	.352	0	%100
2	M20	Z	-.61	-.61	0	%100
3	M109	X	.352	.352	0	%100
4	M109	Z	-.61	-.61	0	%100
5	M21	X	3.6e-5	3.6e-5	0	%100
6	M21	Z	-6.2e-5	-6.2e-5	0	%100
7	MP3A	X	.24	.24	0	%100
8	MP3A	Z	-.415	-.415	0	%100
9	M1	X	.265	.265	0	%100
10	M1	Z	-.459	-.459	0	%100
11	M19	X	.076	.076	0	%100
12	M19	Z	-.131	-.131	0	%100
13	M10	X	.455	.455	0	%100
14	M10	Z	-.787	-.787	0	%100
15	M49A	X	.226	.226	0	%100
16	M49A	Z	-.391	-.391	0	%100
17	M50	X	.458	.458	0	%100
18	M50	Z	-.794	-.794	0	%100
19	M61A	X	.229	.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M61A	Z	-.396	-.396	0	%100
21	M62A	X	2.9e-5	2.9e-5	0	%100
22	M62A	Z	-5e-5	-5e-5	0	%100
23	M34	X	.244	.244	0	%100
24	M34	Z	-.422	-.422	0	%100
25	M76A	X	.455	.455	0	%100
26	M76A	Z	-.787	-.787	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	.196	.196	0	%100
30	OVP2	Z	-.34	-.34	0	%100
31	MP2A	X	.24	.24	0	%100
32	MP2A	Z	-.415	-.415	0	%100
33	M32A	X	.352	.352	0	%100
34	M32A	Z	-.61	-.61	0	%100
35	M33	X	.352	.352	0	%100
36	M33	Z	-.61	-.61	0	%100
37	M34B	X	.244	.244	0	%100
38	M34B	Z	-.422	-.422	0	%100
39	M35B	X	.076	.076	0	%100
40	M35B	Z	-.131	-.131	0	%100
41	M36A	X	.455	.455	0	%100
42	M36A	Z	-.787	-.787	0	%100
43	M37	X	.229	.229	0	%100
44	M37	Z	-.396	-.396	0	%100
45	M38	X	2.9e-5	2.9e-5	0	%100
46	M38	Z	-5e-5	-5e-5	0	%100
47	M41	X	.226	.226	0	%100
48	M41	Z	-.391	-.391	0	%100
49	M42	X	.458	.458	0	%100
50	M42	Z	-.794	-.794	0	%100
51	M46	X	3.6e-5	3.6e-5	0	%100
52	M46	Z	-6.2e-5	-6.2e-5	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	.455	.455	0	%100
56	M54	Z	-.787	-.787	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	.238	.238	0	%100
62	M60	Z	-.412	-.412	0	%100
63	M61	X	.303	.303	0	%100
64	M61	Z	-.525	-.525	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	1e-5	1e-5	0	%100
68	M63	Z	-1.7e-5	-1.7e-5	0	%100
69	M64	X	.451	.451	0	%100
70	M64	Z	-.781	-.781	0	%100
71	M67	X	1e-5	1e-5	0	%100
72	M67	Z	-1.7e-5	-1.7e-5	0	%100
73	M68	X	.451	.451	0	%100
74	M68	Z	-.781	-.781	0	%100
75	M72	X	.238	.238	0	%100
76	M72	Z	-.412	-.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M78	X	.455	.455	0	%100
78	M78	Z	-.787	-.787	0	%100
79	M80	X	.455	.455	0	%100
80	M80	Z	-.787	-.787	0	%100
81	M85	X	.265	.265	0	%100
82	M85	Z	-.459	-.459	0	%100
83	MP3B	X	.24	.24	0	%100
84	MP3B	Z	-.415	-.415	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	.24	.24	0	%100
88	MP2B	Z	-.415	-.415	0	%100
89	M93A	X	.196	.196	0	%100
90	M93A	Z	-.34	-.34	0	%100
91	M90A	X	.218	.218	0	%100
92	M90A	Z	-.377	-.377	0	%100
93	M93B	X	.218	.218	0	%100
94	M93B	Z	-.377	-.377	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	.24	.24	0	%100
98	MP3C	Z	-.415	-.415	0	%100
99	MP2C	X	.24	.24	0	%100
100	MP2C	Z	-.415	-.415	0	%100
101	M109A	X	.252	.252	0	%100
102	M109A	Z	-.437	-.437	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	.252	.252	0	%100
106	M111	Z	-.437	-.437	0	%100
107	MP4A	X	.24	.24	0	%100
108	MP4A	Z	-.415	-.415	0	%100
109	MP1A	X	.24	.24	0	%100
110	MP1A	Z	-.415	-.415	0	%100
111	MP4C	X	.24	.24	0	%100
112	MP4C	Z	-.415	-.415	0	%100
113	MP1C	X	.24	.24	0	%100
114	MP1C	Z	-.415	-.415	0	%100
115	MP4B	X	.24	.24	0	%100
116	MP4B	Z	-.415	-.415	0	%100
117	MP1B	X	.24	.24	0	%100
118	MP1B	Z	-.415	-.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.203	.203	0	%100
2	M20	Z	-.117	-.117	0	%100
3	M109	X	.203	.203	0	%100
4	M109	Z	-.117	-.117	0	%100
5	M21	X	.134	.134	0	%100
6	M21	Z	-.077	-.077	0	%100
7	MP3A	X	.415	.415	0	%100
8	MP3A	Z	-.24	-.24	0	%100
9	M1	X	.153	.153	0	%100
10	M1	Z	-.088	-.088	0	%100
11	M19	X	.394	.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M19	Z	-.227	-.227	0	%100
13	M10	X	.262	.262	0	%100
14	M10	Z	-.152	-.152	0	%100
15	M49A	X	.129	.129	0	%100
16	M49A	Z	-.074	-.074	0	%100
17	M50	X	1.05	1.05	0	%100
18	M50	Z	-.606	-.606	0	%100
19	M61A	X	.134	.134	0	%100
20	M61A	Z	-.077	-.077	0	%100
21	M62A	X	.256	.256	0	%100
22	M62A	Z	-.148	-.148	0	%100
23	M34	X	.556	.556	0	%100
24	M34	Z	-.321	-.321	0	%100
25	M76A	X	1.05	1.05	0	%100
26	M76A	Z	-.606	-.606	0	%100
27	M82A	X	.262	.262	0	%100
28	M82A	Z	-.152	-.152	0	%100
29	OVP2	X	.34	.34	0	%100
30	OVP2	Z	-.196	-.196	0	%100
31	MP2A	X	.415	.415	0	%100
32	MP2A	Z	-.24	-.24	0	%100
33	M32A	X	.813	.813	0	%100
34	M32A	Z	-.469	-.469	0	%100
35	M33	X	.813	.813	0	%100
36	M33	Z	-.469	-.469	0	%100
37	M34B	X	.144	.144	0	%100
38	M34B	Z	-.083	-.083	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	1.05	1.05	0	%100
42	M36A	Z	-.606	-.606	0	%100
43	M37	X	.525	.525	0	%100
44	M37	Z	-.303	-.303	0	%100
45	M38	X	.269	.269	0	%100
46	M38	Z	-.155	-.155	0	%100
47	M41	X	.525	.525	0	%100
48	M41	Z	-.303	-.303	0	%100
49	M42	X	.269	.269	0	%100
50	M42	Z	-.155	-.155	0	%100
51	M46	X	.144	.144	0	%100
52	M46	Z	-.083	-.083	0	%100
53	M52A	X	.262	.262	0	%100
54	M52A	Z	-.152	-.152	0	%100
55	M54	X	.262	.262	0	%100
56	M54	Z	-.152	-.152	0	%100
57	M58	X	.203	.203	0	%100
58	M58	Z	-.117	-.117	0	%100
59	M59	X	.203	.203	0	%100
60	M59	Z	-.117	-.117	0	%100
61	M60	X	.556	.556	0	%100
62	M60	Z	-.321	-.321	0	%100
63	M61	X	.394	.394	0	%100
64	M61	Z	-.227	-.227	0	%100
65	M62	X	.262	.262	0	%100
66	M62	Z	-.152	-.152	0	%100
67	M63	X	.134	.134	0	%100
68	M63	Z	-.077	-.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	.256	.256	0	%100
70	M64	Z	-.148	-.148	0	%100
71	M67	X	.129	.129	0	%100
72	M67	Z	-.074	-.074	0	%100
73	M68	X	1.05	1.05	0	%100
74	M68	Z	-.606	-.606	0	%100
75	M72	X	.134	.134	0	%100
76	M72	Z	-.077	-.077	0	%100
77	M78	X	.262	.262	0	%100
78	M78	Z	-.152	-.152	0	%100
79	M80	X	1.05	1.05	0	%100
80	M80	Z	-.606	-.606	0	%100
81	M85	X	.612	.612	0	%100
82	M85	Z	-.354	-.354	0	%100
83	MP3B	X	.415	.415	0	%100
84	MP3B	Z	-.24	-.24	0	%100
85	M90	X	.153	.153	0	%100
86	M90	Z	-.088	-.088	0	%100
87	MP2B	X	.415	.415	0	%100
88	MP2B	Z	-.24	-.24	0	%100
89	M93A	X	.34	.34	0	%100
90	M93A	Z	-.196	-.196	0	%100
91	M90A	X	.126	.126	0	%100
92	M90A	Z	-.073	-.073	0	%100
93	M93B	X	.503	.503	0	%100
94	M93B	Z	-.29	-.29	0	%100
95	M94	X	.126	.126	0	%100
96	M94	Z	-.073	-.073	0	%100
97	MP3C	X	.415	.415	0	%100
98	MP3C	Z	-.24	-.24	0	%100
99	MP2C	X	.415	.415	0	%100
100	MP2C	Z	-.24	-.24	0	%100
101	M109A	X	.583	.583	0	%100
102	M109A	Z	-.336	-.336	0	%100
103	M110	X	.146	.146	0	%100
104	M110	Z	-.084	-.084	0	%100
105	M111	X	.146	.146	0	%100
106	M111	Z	-.084	-.084	0	%100
107	MP4A	X	.415	.415	0	%100
108	MP4A	Z	-.24	-.24	0	%100
109	MP1A	X	.415	.415	0	%100
110	MP1A	Z	-.24	-.24	0	%100
111	MP4C	X	.415	.415	0	%100
112	MP4C	Z	-.24	-.24	0	%100
113	MP1C	X	.415	.415	0	%100
114	MP1C	Z	-.24	-.24	0	%100
115	MP4B	X	.415	.415	0	%100
116	MP4B	Z	-.24	-.24	0	%100
117	MP1B	X	.415	.415	0	%100
118	MP1B	Z	-.24	-.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M109	Z	0	0	0	%100
5	M21	X	.476	.476	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	.48	.48	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	.606	.606	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	2e-5	2e-5	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	.902	.902	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	2e-5	2e-5	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	.902	.902	0	%100
22	M62A	Z	0	0	0	%100
23	M34	X	.476	.476	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	.909	.909	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	.909	.909	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	.392	.392	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	.48	.48	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	.704	.704	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	.704	.704	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	7.1e-5	7.1e-5	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	.152	.152	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	.909	.909	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	.451	.451	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	.916	.916	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	.458	.458	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	5.8e-5	5.8e-5	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	.487	.487	0	%100
52	M46	Z	0	0	0	%100
53	M52A	X	.909	.909	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	.704	.704	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	.704	.704	0	%100
60	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M60	X	.487	.487	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.152	.152	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	.909	.909	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	.458	.458	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	5.8e-5	5.8e-5	0	%100
70	M64	Z	0	0	0	%100
71	M67	X	.451	.451	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	.916	.916	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	7.1e-5	7.1e-5	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100
79	M80	X	.909	.909	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	.53	.53	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	.48	.48	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	.53	.53	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	.48	.48	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	.392	.392	0	%100
90	M93A	Z	0	0	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	.436	.436	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	.436	.436	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	.48	.48	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	.48	.48	0	%100
100	MP2C	Z	0	0	0	%100
101	M109A	X	.505	.505	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	.505	.505	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	.48	.48	0	%100
108	MP4A	Z	0	0	0	%100
109	MP1A	X	.48	.48	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	.48	.48	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	.48	.48	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	.48	.48	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	.48	.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.203	.203	0	%100
2	M20	Z	.117	.117	0	%100
3	M109	X	.203	.203	0	%100
4	M109	Z	.117	.117	0	%100
5	M21	X	.556	.556	0	%100
6	M21	Z	.321	.321	0	%100
7	MP3A	X	.415	.415	0	%100
8	MP3A	Z	.24	.24	0	%100
9	M1	X	.153	.153	0	%100
10	M1	Z	.088	.088	0	%100
11	M19	X	.394	.394	0	%100
12	M19	Z	.227	.227	0	%100
13	M10	X	.262	.262	0	%100
14	M10	Z	.152	.152	0	%100
15	M49A	X	.134	.134	0	%100
16	M49A	Z	.077	.077	0	%100
17	M50	X	.256	.256	0	%100
18	M50	Z	.148	.148	0	%100
19	M61A	X	.129	.129	0	%100
20	M61A	Z	.074	.074	0	%100
21	M62A	X	1.05	1.05	0	%100
22	M62A	Z	.606	.606	0	%100
23	M34	X	.134	.134	0	%100
24	M34	Z	.077	.077	0	%100
25	M76A	X	.262	.262	0	%100
26	M76A	Z	.152	.152	0	%100
27	M82A	X	1.05	1.05	0	%100
28	M82A	Z	.606	.606	0	%100
29	OVP2	X	.34	.34	0	%100
30	OVP2	Z	.196	.196	0	%100
31	MP2A	X	.415	.415	0	%100
32	MP2A	Z	.24	.24	0	%100
33	M32A	X	.203	.203	0	%100
34	M32A	Z	.117	.117	0	%100
35	M33	X	.203	.203	0	%100
36	M33	Z	.117	.117	0	%100
37	M34B	X	.134	.134	0	%100
38	M34B	Z	.077	.077	0	%100
39	M35B	X	.394	.394	0	%100
40	M35B	Z	.227	.227	0	%100
41	M36A	X	.262	.262	0	%100
42	M36A	Z	.152	.152	0	%100
43	M37	X	.129	.129	0	%100
44	M37	Z	.074	.074	0	%100
45	M38	X	1.05	1.05	0	%100
46	M38	Z	.606	.606	0	%100
47	M41	X	.134	.134	0	%100
48	M41	Z	.077	.077	0	%100
49	M42	X	.256	.256	0	%100
50	M42	Z	.148	.148	0	%100
51	M46	X	.556	.556	0	%100
52	M46	Z	.321	.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M52A	X	1.05	1.05	0	%100
54	M52A	Z	.606	.606	0	%100
55	M54	X	.262	.262	0	%100
56	M54	Z	.152	.152	0	%100
57	M58	X	.813	.813	0	%100
58	M58	Z	.469	.469	0	%100
59	M59	X	.813	.813	0	%100
60	M59	Z	.469	.469	0	%100
61	M60	X	.144	.144	0	%100
62	M60	Z	.083	.083	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	1.05	1.05	0	%100
66	M62	Z	.606	.606	0	%100
67	M63	X	.525	.525	0	%100
68	M63	Z	.303	.303	0	%100
69	M64	X	.269	.269	0	%100
70	M64	Z	.155	.155	0	%100
71	M67	X	.525	.525	0	%100
72	M67	Z	.303	.303	0	%100
73	M68	X	.269	.269	0	%100
74	M68	Z	.155	.155	0	%100
75	M72	X	.144	.144	0	%100
76	M72	Z	.083	.083	0	%100
77	M78	X	.262	.262	0	%100
78	M78	Z	.152	.152	0	%100
79	M80	X	.262	.262	0	%100
80	M80	Z	.152	.152	0	%100
81	M85	X	.153	.153	0	%100
82	M85	Z	.088	.088	0	%100
83	MP3B	X	.415	.415	0	%100
84	MP3B	Z	.24	.24	0	%100
85	M90	X	.612	.612	0	%100
86	M90	Z	.354	.354	0	%100
87	MP2B	X	.415	.415	0	%100
88	MP2B	Z	.24	.24	0	%100
89	M93A	X	.34	.34	0	%100
90	M93A	Z	.196	.196	0	%100
91	M90A	X	.126	.126	0	%100
92	M90A	Z	.073	.073	0	%100
93	M93B	X	.126	.126	0	%100
94	M93B	Z	.073	.073	0	%100
95	M94	X	.503	.503	0	%100
96	M94	Z	.29	.29	0	%100
97	MP3C	X	.415	.415	0	%100
98	MP3C	Z	.24	.24	0	%100
99	MP2C	X	.415	.415	0	%100
100	MP2C	Z	.24	.24	0	%100
101	M109A	X	.146	.146	0	%100
102	M109A	Z	.084	.084	0	%100
103	M110	X	.583	.583	0	%100
104	M110	Z	.336	.336	0	%100
105	M111	X	.146	.146	0	%100
106	M111	Z	.084	.084	0	%100
107	MP4A	X	.415	.415	0	%100
108	MP4A	Z	.24	.24	0	%100
109	MP1A	X	.415	.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	MP1A	Z	.24	.24	0	%100
111	MP4C	X	.415	.415	0	%100
112	MP4C	Z	.24	.24	0	%100
113	MP1C	X	.415	.415	0	%100
114	MP1C	Z	.24	.24	0	%100
115	MP4B	X	.415	.415	0	%100
116	MP4B	Z	.24	.24	0	%100
117	MP1B	X	.415	.415	0	%100
118	MP1B	Z	.24	.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	.352	.352	0	%100
2	M20	Z	.61	.61	0	%100
3	M109	X	.352	.352	0	%100
4	M109	Z	.61	.61	0	%100
5	M21	X	.244	.244	0	%100
6	M21	Z	.422	.422	0	%100
7	MP3A	X	.24	.24	0	%100
8	MP3A	Z	.415	.415	0	%100
9	M1	X	.265	.265	0	%100
10	M1	Z	.459	.459	0	%100
11	M19	X	.076	.076	0	%100
12	M19	Z	.131	.131	0	%100
13	M10	X	.455	.455	0	%100
14	M10	Z	.787	.787	0	%100
15	M49A	X	.229	.229	0	%100
16	M49A	Z	.396	.396	0	%100
17	M50	X	2.9e-5	2.9e-5	0	%100
18	M50	Z	5e-5	5e-5	0	%100
19	M61A	X	.226	.226	0	%100
20	M61A	Z	.391	.391	0	%100
21	M62A	X	.458	.458	0	%100
22	M62A	Z	.794	.794	0	%100
23	M34	X	3.6e-5	3.6e-5	0	%100
24	M34	Z	6.2e-5	6.2e-5	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	.455	.455	0	%100
28	M82A	Z	.787	.787	0	%100
29	OVP2	X	.196	.196	0	%100
30	OVP2	Z	.34	.34	0	%100
31	MP2A	X	.24	.24	0	%100
32	MP2A	Z	.415	.415	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	.238	.238	0	%100
38	M34B	Z	.412	.412	0	%100
39	M35B	X	.303	.303	0	%100
40	M35B	Z	.525	.525	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	1e-5	1e-5	0	%100
44	M37	Z	1.7e-5	1.7e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M38	X	.451	.451	0	%100
46	M38	Z	.781	.781	0	%100
47	M41	X	1e-5	1e-5	0	%100
48	M41	Z	1.7e-5	1.7e-5	0	%100
49	M42	X	.451	.451	0	%100
50	M42	Z	.781	.781	0	%100
51	M46	X	.238	.238	0	%100
52	M46	Z	.412	.412	0	%100
53	M52A	X	.455	.455	0	%100
54	M52A	Z	.787	.787	0	%100
55	M54	X	.455	.455	0	%100
56	M54	Z	.787	.787	0	%100
57	M58	X	.352	.352	0	%100
58	M58	Z	.61	.61	0	%100
59	M59	X	.352	.352	0	%100
60	M59	Z	.61	.61	0	%100
61	M60	X	3.6e-5	3.6e-5	0	%100
62	M60	Z	6.2e-5	6.2e-5	0	%100
63	M61	X	.076	.076	0	%100
64	M61	Z	.131	.131	0	%100
65	M62	X	.455	.455	0	%100
66	M62	Z	.787	.787	0	%100
67	M63	X	.226	.226	0	%100
68	M63	Z	.391	.391	0	%100
69	M64	X	.458	.458	0	%100
70	M64	Z	.794	.794	0	%100
71	M67	X	.229	.229	0	%100
72	M67	Z	.396	.396	0	%100
73	M68	X	2.9e-5	2.9e-5	0	%100
74	M68	Z	5e-5	5e-5	0	%100
75	M72	X	.244	.244	0	%100
76	M72	Z	.422	.422	0	%100
77	M78	X	.455	.455	0	%100
78	M78	Z	.787	.787	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	.24	.24	0	%100
84	MP3B	Z	.415	.415	0	%100
85	M90	X	.265	.265	0	%100
86	M90	Z	.459	.459	0	%100
87	MP2B	X	.24	.24	0	%100
88	MP2B	Z	.415	.415	0	%100
89	M93A	X	.196	.196	0	%100
90	M93A	Z	.34	.34	0	%100
91	M90A	X	.218	.218	0	%100
92	M90A	Z	.377	.377	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	.218	.218	0	%100
96	M94	Z	.377	.377	0	%100
97	MP3C	X	.24	.24	0	%100
98	MP3C	Z	.415	.415	0	%100
99	MP2C	X	.24	.24	0	%100
100	MP2C	Z	.415	.415	0	%100
101	M109A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
102	M109A	Z	0	0	0	%100
103	M110	X	.252	.252	0	%100
104	M110	Z	.437	.437	0	%100
105	M111	X	.252	.252	0	%100
106	M111	Z	.437	.437	0	%100
107	MP4A	X	.24	.24	0	%100
108	MP4A	Z	.415	.415	0	%100
109	MP1A	X	.24	.24	0	%100
110	MP1A	Z	.415	.415	0	%100
111	MP4C	X	.24	.24	0	%100
112	MP4C	Z	.415	.415	0	%100
113	MP1C	X	.24	.24	0	%100
114	MP1C	Z	.415	.415	0	%100
115	MP4B	X	.24	.24	0	%100
116	MP4B	Z	.415	.415	0	%100
117	MP1B	X	.24	.24	0	%100
118	MP1B	Z	.415	.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	.939	.939	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	.939	.939	0	%100
5	M21	X	0	0	0	%100
6	M21	Z	.166	.166	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.48	.48	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	.707	.707	0	%100
11	M19	X	0	0	0	%100
12	M19	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	1.212	1.212	0	%100
15	M49A	X	0	0	0	%100
16	M49A	Z	.606	.606	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	.31	.31	0	%100
19	M61A	X	0	0	0	%100
20	M61A	Z	.606	.606	0	%100
21	M62A	X	0	0	0	%100
22	M62A	Z	.31	.31	0	%100
23	M34	X	0	0	0	%100
24	M34	Z	.166	.166	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	.303	.303	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	.303	.303	0	%100
29	OVP2	X	0	0	0	%100
30	OVP2	Z	.392	.392	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	.48	.48	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	.235	.235	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.235	.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M34B	X	0	0	0	%100
38	M34B	Z	.642	.642	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	.455	.455	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	.303	.303	0	%100
43	M37	X	0	0	0	%100
44	M37	Z	.155	.155	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	.296	.296	0	%100
47	M41	X	0	0	0	%100
48	M41	Z	.148	.148	0	%100
49	M42	X	0	0	0	%100
50	M42	Z	1.212	1.212	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	.155	.155	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	.303	.303	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	1.212	1.212	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	.235	.235	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	.235	.235	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.155	.155	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.455	.455	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	.303	.303	0	%100
67	M63	X	0	0	0	%100
68	M63	Z	.148	.148	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	1.212	1.212	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	.155	.155	0	%100
73	M68	X	0	0	0	%100
74	M68	Z	.296	.296	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	.642	.642	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	1.212	1.212	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.303	.303	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	.177	.177	0	%100
83	MP3B	X	0	0	0	%100
84	MP3B	Z	.48	.48	0	%100
85	M90	X	0	0	0	%100
86	M90	Z	.177	.177	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	.48	.48	0	%100
89	M93A	X	0	0	0	%100
90	M93A	Z	.392	.392	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	.581	.581	0	%100
93	M93B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M93B	Z	.145	.145	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	.145	.145	0	%100
97	MP3C	X	0	0	0	%100
98	MP3C	Z	.48	.48	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	.48	.48	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	.168	.168	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	.168	.168	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	.673	.673	0	%100
107	MP4A	X	0	0	0	%100
108	MP4A	Z	.48	.48	0	%100
109	MP1A	X	0	0	0	%100
110	MP1A	Z	.48	.48	0	%100
111	MP4C	X	0	0	0	%100
112	MP4C	Z	.48	.48	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	.48	.48	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	.48	.48	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	.48	.48	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.352	-.352	0	%100
2	M20	Z	.61	.61	0	%100
3	M109	X	-.352	-.352	0	%100
4	M109	Z	.61	.61	0	%100
5	M21	X	-3.6e-5	-3.6e-5	0	%100
6	M21	Z	6.2e-5	6.2e-5	0	%100
7	MP3A	X	-.24	-.24	0	%100
8	MP3A	Z	.415	.415	0	%100
9	M1	X	-.265	-.265	0	%100
10	M1	Z	.459	.459	0	%100
11	M19	X	-.076	-.076	0	%100
12	M19	Z	.131	.131	0	%100
13	M10	X	-.455	-.455	0	%100
14	M10	Z	.787	.787	0	%100
15	M49A	X	-.226	-.226	0	%100
16	M49A	Z	.391	.391	0	%100
17	M50	X	-.458	-.458	0	%100
18	M50	Z	.794	.794	0	%100
19	M61A	X	-.229	-.229	0	%100
20	M61A	Z	.396	.396	0	%100
21	M62A	X	-2.9e-5	-2.9e-5	0	%100
22	M62A	Z	5e-5	5e-5	0	%100
23	M34	X	-.244	-.244	0	%100
24	M34	Z	.422	.422	0	%100
25	M76A	X	-.455	-.455	0	%100
26	M76A	Z	.787	.787	0	%100
27	M82A	X	0	0	0	%100
28	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	OVP2	X	-.196	-.196	0	%100
30	OVP2	Z	.34	.34	0	%100
31	MP2A	X	-.24	-.24	0	%100
32	MP2A	Z	.415	.415	0	%100
33	M32A	X	-.352	-.352	0	%100
34	M32A	Z	.61	.61	0	%100
35	M33	X	-.352	-.352	0	%100
36	M33	Z	.61	.61	0	%100
37	M34B	X	-.244	-.244	0	%100
38	M34B	Z	.422	.422	0	%100
39	M35B	X	-.076	-.076	0	%100
40	M35B	Z	.131	.131	0	%100
41	M36A	X	-.455	-.455	0	%100
42	M36A	Z	.787	.787	0	%100
43	M37	X	-.229	-.229	0	%100
44	M37	Z	.396	.396	0	%100
45	M38	X	-2.9e-5	-2.9e-5	0	%100
46	M38	Z	5e-5	5e-5	0	%100
47	M41	X	-.226	-.226	0	%100
48	M41	Z	.391	.391	0	%100
49	M42	X	-.458	-.458	0	%100
50	M42	Z	.794	.794	0	%100
51	M46	X	-3.6e-5	-3.6e-5	0	%100
52	M46	Z	6.2e-5	6.2e-5	0	%100
53	M52A	X	0	0	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	-.455	-.455	0	%100
56	M54	Z	.787	.787	0	%100
57	M58	X	0	0	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	0	0	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-.238	-.238	0	%100
62	M60	Z	.412	.412	0	%100
63	M61	X	-.303	-.303	0	%100
64	M61	Z	.525	.525	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-1e-5	-1e-5	0	%100
68	M63	Z	1.7e-5	1.7e-5	0	%100
69	M64	X	-.451	-.451	0	%100
70	M64	Z	.781	.781	0	%100
71	M67	X	-1e-5	-1e-5	0	%100
72	M67	Z	1.7e-5	1.7e-5	0	%100
73	M68	X	-.451	-.451	0	%100
74	M68	Z	.781	.781	0	%100
75	M72	X	-.238	-.238	0	%100
76	M72	Z	.412	.412	0	%100
77	M78	X	-.455	-.455	0	%100
78	M78	Z	.787	.787	0	%100
79	M80	X	-.455	-.455	0	%100
80	M80	Z	.787	.787	0	%100
81	M85	X	-.265	-.265	0	%100
82	M85	Z	.459	.459	0	%100
83	MP3B	X	-.24	-.24	0	%100
84	MP3B	Z	.415	.415	0	%100
85	M90	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	M90	Z	0	0	0	%100
87	MP2B	X	-.24	-.24	0	%100
88	MP2B	Z	.415	.415	0	%100
89	M93A	X	-.196	-.196	0	%100
90	M93A	Z	.34	.34	0	%100
91	M90A	X	-.218	-.218	0	%100
92	M90A	Z	.377	.377	0	%100
93	M93B	X	-.218	-.218	0	%100
94	M93B	Z	.377	.377	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-.24	-.24	0	%100
98	MP3C	Z	.415	.415	0	%100
99	MP2C	X	-.24	-.24	0	%100
100	MP2C	Z	.415	.415	0	%100
101	M109A	X	-.252	-.252	0	%100
102	M109A	Z	.437	.437	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	-.252	-.252	0	%100
106	M111	Z	.437	.437	0	%100
107	MP4A	X	-.24	-.24	0	%100
108	MP4A	Z	.415	.415	0	%100
109	MP1A	X	-.24	-.24	0	%100
110	MP1A	Z	.415	.415	0	%100
111	MP4C	X	-.24	-.24	0	%100
112	MP4C	Z	.415	.415	0	%100
113	MP1C	X	-.24	-.24	0	%100
114	MP1C	Z	.415	.415	0	%100
115	MP4B	X	-.24	-.24	0	%100
116	MP4B	Z	.415	.415	0	%100
117	MP1B	X	-.24	-.24	0	%100
118	MP1B	Z	.415	.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.203	-.203	0	%100
2	M20	Z	.117	.117	0	%100
3	M109	X	-.203	-.203	0	%100
4	M109	Z	.117	.117	0	%100
5	M21	X	-.134	-.134	0	%100
6	M21	Z	.077	.077	0	%100
7	MP3A	X	-.415	-.415	0	%100
8	MP3A	Z	.24	.24	0	%100
9	M1	X	-.153	-.153	0	%100
10	M1	Z	.088	.088	0	%100
11	M19	X	-.394	-.394	0	%100
12	M19	Z	.227	.227	0	%100
13	M10	X	-.262	-.262	0	%100
14	M10	Z	.152	.152	0	%100
15	M49A	X	-.129	-.129	0	%100
16	M49A	Z	.074	.074	0	%100
17	M50	X	-1.05	-1.05	0	%100
18	M50	Z	.606	.606	0	%100
19	M61A	X	-.134	-.134	0	%100
20	M61A	Z	.077	.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M62A	X	-.256	-.256	0	%100
22	M62A	Z	.148	.148	0	%100
23	M34	X	-.556	-.556	0	%100
24	M34	Z	.321	.321	0	%100
25	M76A	X	-1.05	-1.05	0	%100
26	M76A	Z	.606	.606	0	%100
27	M82A	X	-.262	-.262	0	%100
28	M82A	Z	.152	.152	0	%100
29	OVP2	X	-.34	-.34	0	%100
30	OVP2	Z	.196	.196	0	%100
31	MP2A	X	-.415	-.415	0	%100
32	MP2A	Z	.24	.24	0	%100
33	M32A	X	-.813	-.813	0	%100
34	M32A	Z	.469	.469	0	%100
35	M33	X	-.813	-.813	0	%100
36	M33	Z	.469	.469	0	%100
37	M34B	X	-.144	-.144	0	%100
38	M34B	Z	.083	.083	0	%100
39	M35B	X	0	0	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-1.05	-1.05	0	%100
42	M36A	Z	.606	.606	0	%100
43	M37	X	-.525	-.525	0	%100
44	M37	Z	.303	.303	0	%100
45	M38	X	-.269	-.269	0	%100
46	M38	Z	.155	.155	0	%100
47	M41	X	-.525	-.525	0	%100
48	M41	Z	.303	.303	0	%100
49	M42	X	-.269	-.269	0	%100
50	M42	Z	.155	.155	0	%100
51	M46	X	-.144	-.144	0	%100
52	M46	Z	.083	.083	0	%100
53	M52A	X	-.262	-.262	0	%100
54	M52A	Z	.152	.152	0	%100
55	M54	X	-.262	-.262	0	%100
56	M54	Z	.152	.152	0	%100
57	M58	X	-.203	-.203	0	%100
58	M58	Z	.117	.117	0	%100
59	M59	X	-.203	-.203	0	%100
60	M59	Z	.117	.117	0	%100
61	M60	X	-.556	-.556	0	%100
62	M60	Z	.321	.321	0	%100
63	M61	X	-.394	-.394	0	%100
64	M61	Z	.227	.227	0	%100
65	M62	X	-.262	-.262	0	%100
66	M62	Z	.152	.152	0	%100
67	M63	X	-.134	-.134	0	%100
68	M63	Z	.077	.077	0	%100
69	M64	X	-.256	-.256	0	%100
70	M64	Z	.148	.148	0	%100
71	M67	X	-.129	-.129	0	%100
72	M67	Z	.074	.074	0	%100
73	M68	X	-1.05	-1.05	0	%100
74	M68	Z	.606	.606	0	%100
75	M72	X	-.134	-.134	0	%100
76	M72	Z	.077	.077	0	%100
77	M78	X	-.262	-.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M78	Z	.152	.152	0	%100
79	M80	X	-1.05	-1.05	0	%100
80	M80	Z	.606	.606	0	%100
81	M85	X	-.612	-.612	0	%100
82	M85	Z	.354	.354	0	%100
83	MP3B	X	-.415	-.415	0	%100
84	MP3B	Z	.24	.24	0	%100
85	M90	X	-.153	-.153	0	%100
86	M90	Z	.088	.088	0	%100
87	MP2B	X	-.415	-.415	0	%100
88	MP2B	Z	.24	.24	0	%100
89	M93A	X	-.34	-.34	0	%100
90	M93A	Z	.196	.196	0	%100
91	M90A	X	-.126	-.126	0	%100
92	M90A	Z	.073	.073	0	%100
93	M93B	X	-.503	-.503	0	%100
94	M93B	Z	.29	.29	0	%100
95	M94	X	-.126	-.126	0	%100
96	M94	Z	.073	.073	0	%100
97	MP3C	X	-.415	-.415	0	%100
98	MP3C	Z	.24	.24	0	%100
99	MP2C	X	-.415	-.415	0	%100
100	MP2C	Z	.24	.24	0	%100
101	M109A	X	-.583	-.583	0	%100
102	M109A	Z	.336	.336	0	%100
103	M110	X	-.146	-.146	0	%100
104	M110	Z	.084	.084	0	%100
105	M111	X	-.146	-.146	0	%100
106	M111	Z	.084	.084	0	%100
107	MP4A	X	-.415	-.415	0	%100
108	MP4A	Z	.24	.24	0	%100
109	MP1A	X	-.415	-.415	0	%100
110	MP1A	Z	.24	.24	0	%100
111	MP4C	X	-.415	-.415	0	%100
112	MP4C	Z	.24	.24	0	%100
113	MP1C	X	-.415	-.415	0	%100
114	MP1C	Z	.24	.24	0	%100
115	MP4B	X	-.415	-.415	0	%100
116	MP4B	Z	.24	.24	0	%100
117	MP1B	X	-.415	-.415	0	%100
118	MP1B	Z	.24	.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M109	X	0	0	0	%100
4	M109	Z	0	0	0	%100
5	M21	X	-.476	-.476	0	%100
6	M21	Z	0	0	0	%100
7	MP3A	X	-.48	-.48	0	%100
8	MP3A	Z	0	0	0	%100
9	M1	X	0	0	0	%100
10	M1	Z	0	0	0	%100
11	M19	X	-.606	-.606	0	%100
12	M19	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M49A	X	-2e-5	-2e-5	0	%100
16	M49A	Z	0	0	0	%100
17	M50	X	-.902	-.902	0	%100
18	M50	Z	0	0	0	%100
19	M61A	X	-2e-5	-2e-5	0	%100
20	M61A	Z	0	0	0	%100
21	M62A	X	-.902	-.902	0	%100
22	M62A	Z	0	0	0	%100
23	M34	X	-.476	-.476	0	%100
24	M34	Z	0	0	0	%100
25	M76A	X	-.909	-.909	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-.909	-.909	0	%100
28	M82A	Z	0	0	0	%100
29	OVP2	X	-.392	-.392	0	%100
30	OVP2	Z	0	0	0	%100
31	MP2A	X	-.48	-.48	0	%100
32	MP2A	Z	0	0	0	%100
33	M32A	X	-.704	-.704	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	-.704	-.704	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	-7.1e-5	-7.1e-5	0	%100
38	M34B	Z	0	0	0	%100
39	M35B	X	-.152	-.152	0	%100
40	M35B	Z	0	0	0	%100
41	M36A	X	-.909	-.909	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-.451	-.451	0	%100
44	M37	Z	0	0	0	%100
45	M38	X	-.916	-.916	0	%100
46	M38	Z	0	0	0	%100
47	M41	X	-.458	-.458	0	%100
48	M41	Z	0	0	0	%100
49	M42	X	-5.8e-5	-5.8e-5	0	%100
50	M42	Z	0	0	0	%100
51	M46	X	-.487	-.487	0	%100
52	M46	Z	0	0	0	%100
53	M52A	X	-.909	-.909	0	%100
54	M52A	Z	0	0	0	%100
55	M54	X	0	0	0	%100
56	M54	Z	0	0	0	%100
57	M58	X	-.704	-.704	0	%100
58	M58	Z	0	0	0	%100
59	M59	X	-.704	-.704	0	%100
60	M59	Z	0	0	0	%100
61	M60	X	-.487	-.487	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.152	-.152	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-.909	-.909	0	%100
66	M62	Z	0	0	0	%100
67	M63	X	-.458	-.458	0	%100
68	M63	Z	0	0	0	%100
69	M64	X	-5.8e-5	-5.8e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M64	Z	0	0	0	%100
71	M67	X	-.451	-.451	0	%100
72	M67	Z	0	0	0	%100
73	M68	X	-.916	-.916	0	%100
74	M68	Z	0	0	0	%100
75	M72	X	-7.1e-5	-7.1e-5	0	%100
76	M72	Z	0	0	0	%100
77	M78	X	0	0	0	%100
78	M78	Z	0	0	0	%100
79	M80	X	-.909	-.909	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	-.53	-.53	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-.48	-.48	0	%100
84	MP3B	Z	0	0	0	%100
85	M90	X	-.53	-.53	0	%100
86	M90	Z	0	0	0	%100
87	MP2B	X	-.48	-.48	0	%100
88	MP2B	Z	0	0	0	%100
89	M93A	X	-.392	-.392	0	%100
90	M93A	Z	0	0	0	%100
91	M90A	X	0	0	0	%100
92	M90A	Z	0	0	0	%100
93	M93B	X	-.436	-.436	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-.436	-.436	0	%100
96	M94	Z	0	0	0	%100
97	MP3C	X	-.48	-.48	0	%100
98	MP3C	Z	0	0	0	%100
99	MP2C	X	-.48	-.48	0	%100
100	MP2C	Z	0	0	0	%100
101	M109A	X	-.505	-.505	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-.505	-.505	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100
106	M111	Z	0	0	0	%100
107	MP4A	X	-.48	-.48	0	%100
108	MP4A	Z	0	0	0	%100
109	MP1A	X	-.48	-.48	0	%100
110	MP1A	Z	0	0	0	%100
111	MP4C	X	-.48	-.48	0	%100
112	MP4C	Z	0	0	0	%100
113	MP1C	X	-.48	-.48	0	%100
114	MP1C	Z	0	0	0	%100
115	MP4B	X	-.48	-.48	0	%100
116	MP4B	Z	0	0	0	%100
117	MP1B	X	-.48	-.48	0	%100
118	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.203	-.203	0	%100
2	M20	Z	-.117	-.117	0	%100
3	M109	X	-.203	-.203	0	%100
4	M109	Z	-.117	-.117	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M21	X	-.556	-.556	0	%100
6	M21	Z	-.321	-.321	0	%100
7	MP3A	X	-.415	-.415	0	%100
8	MP3A	Z	-.24	-.24	0	%100
9	M1	X	-.153	-.153	0	%100
10	M1	Z	-.088	-.088	0	%100
11	M19	X	-.394	-.394	0	%100
12	M19	Z	-.227	-.227	0	%100
13	M10	X	-.262	-.262	0	%100
14	M10	Z	-.152	-.152	0	%100
15	M49A	X	-.134	-.134	0	%100
16	M49A	Z	-.077	-.077	0	%100
17	M50	X	-.256	-.256	0	%100
18	M50	Z	-.148	-.148	0	%100
19	M61A	X	-.129	-.129	0	%100
20	M61A	Z	-.074	-.074	0	%100
21	M62A	X	-1.05	-1.05	0	%100
22	M62A	Z	-.606	-.606	0	%100
23	M34	X	-.134	-.134	0	%100
24	M34	Z	-.077	-.077	0	%100
25	M76A	X	-.262	-.262	0	%100
26	M76A	Z	-.152	-.152	0	%100
27	M82A	X	-1.05	-1.05	0	%100
28	M82A	Z	-.606	-.606	0	%100
29	OVP2	X	-.34	-.34	0	%100
30	OVP2	Z	-.196	-.196	0	%100
31	MP2A	X	-.415	-.415	0	%100
32	MP2A	Z	-.24	-.24	0	%100
33	M32A	X	-.203	-.203	0	%100
34	M32A	Z	-.117	-.117	0	%100
35	M33	X	-.203	-.203	0	%100
36	M33	Z	-.117	-.117	0	%100
37	M34B	X	-.134	-.134	0	%100
38	M34B	Z	-.077	-.077	0	%100
39	M35B	X	-.394	-.394	0	%100
40	M35B	Z	-.227	-.227	0	%100
41	M36A	X	-.262	-.262	0	%100
42	M36A	Z	-.152	-.152	0	%100
43	M37	X	-.129	-.129	0	%100
44	M37	Z	-.074	-.074	0	%100
45	M38	X	-1.05	-1.05	0	%100
46	M38	Z	-.606	-.606	0	%100
47	M41	X	-.134	-.134	0	%100
48	M41	Z	-.077	-.077	0	%100
49	M42	X	-.256	-.256	0	%100
50	M42	Z	-.148	-.148	0	%100
51	M46	X	-.556	-.556	0	%100
52	M46	Z	-.321	-.321	0	%100
53	M52A	X	-1.05	-1.05	0	%100
54	M52A	Z	-.606	-.606	0	%100
55	M54	X	-.262	-.262	0	%100
56	M54	Z	-.152	-.152	0	%100
57	M58	X	-.813	-.813	0	%100
58	M58	Z	-.469	-.469	0	%100
59	M59	X	-.813	-.813	0	%100
60	M59	Z	-.469	-.469	0	%100
61	M60	X	-.144	-.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M60	Z	-.083	-.083	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-1.05	-1.05	0	%100
66	M62	Z	-.606	-.606	0	%100
67	M63	X	-.525	-.525	0	%100
68	M63	Z	-.303	-.303	0	%100
69	M64	X	-.269	-.269	0	%100
70	M64	Z	-.155	-.155	0	%100
71	M67	X	-.525	-.525	0	%100
72	M67	Z	-.303	-.303	0	%100
73	M68	X	-.269	-.269	0	%100
74	M68	Z	-.155	-.155	0	%100
75	M72	X	-.144	-.144	0	%100
76	M72	Z	-.083	-.083	0	%100
77	M78	X	-.262	-.262	0	%100
78	M78	Z	-.152	-.152	0	%100
79	M80	X	-.262	-.262	0	%100
80	M80	Z	-.152	-.152	0	%100
81	M85	X	-.153	-.153	0	%100
82	M85	Z	-.088	-.088	0	%100
83	MP3B	X	-.415	-.415	0	%100
84	MP3B	Z	-.24	-.24	0	%100
85	M90	X	-.612	-.612	0	%100
86	M90	Z	-.354	-.354	0	%100
87	MP2B	X	-.415	-.415	0	%100
88	MP2B	Z	-.24	-.24	0	%100
89	M93A	X	-.34	-.34	0	%100
90	M93A	Z	-.196	-.196	0	%100
91	M90A	X	-.126	-.126	0	%100
92	M90A	Z	-.073	-.073	0	%100
93	M93B	X	-.126	-.126	0	%100
94	M93B	Z	-.073	-.073	0	%100
95	M94	X	-.503	-.503	0	%100
96	M94	Z	-.29	-.29	0	%100
97	MP3C	X	-.415	-.415	0	%100
98	MP3C	Z	-.24	-.24	0	%100
99	MP2C	X	-.415	-.415	0	%100
100	MP2C	Z	-.24	-.24	0	%100
101	M109A	X	-.146	-.146	0	%100
102	M109A	Z	-.084	-.084	0	%100
103	M110	X	-.583	-.583	0	%100
104	M110	Z	-.336	-.336	0	%100
105	M111	X	-.146	-.146	0	%100
106	M111	Z	-.084	-.084	0	%100
107	MP4A	X	-.415	-.415	0	%100
108	MP4A	Z	-.24	-.24	0	%100
109	MP1A	X	-.415	-.415	0	%100
110	MP1A	Z	-.24	-.24	0	%100
111	MP4C	X	-.415	-.415	0	%100
112	MP4C	Z	-.24	-.24	0	%100
113	MP1C	X	-.415	-.415	0	%100
114	MP1C	Z	-.24	-.24	0	%100
115	MP4B	X	-.415	-.415	0	%100
116	MP4B	Z	-.24	-.24	0	%100
117	MP1B	X	-.415	-.415	0	%100
118	MP1B	Z	-.24	-.24	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M20	X	-.352	-.352	0	%100
2	M20	Z	-.61	-.61	0	%100
3	M109	X	-.352	-.352	0	%100
4	M109	Z	-.61	-.61	0	%100
5	M21	X	-.244	-.244	0	%100
6	M21	Z	-.422	-.422	0	%100
7	MP3A	X	-.24	-.24	0	%100
8	MP3A	Z	-.415	-.415	0	%100
9	M1	X	-.265	-.265	0	%100
10	M1	Z	-.459	-.459	0	%100
11	M19	X	-.076	-.076	0	%100
12	M19	Z	-.131	-.131	0	%100
13	M10	X	-.455	-.455	0	%100
14	M10	Z	-.787	-.787	0	%100
15	M49A	X	-.229	-.229	0	%100
16	M49A	Z	-.396	-.396	0	%100
17	M50	X	-2.9e-5	-2.9e-5	0	%100
18	M50	Z	-5e-5	-5e-5	0	%100
19	M61A	X	-.226	-.226	0	%100
20	M61A	Z	-.391	-.391	0	%100
21	M62A	X	-.458	-.458	0	%100
22	M62A	Z	-.794	-.794	0	%100
23	M34	X	-3.6e-5	-3.6e-5	0	%100
24	M34	Z	-6.2e-5	-6.2e-5	0	%100
25	M76A	X	0	0	0	%100
26	M76A	Z	0	0	0	%100
27	M82A	X	-.455	-.455	0	%100
28	M82A	Z	-.787	-.787	0	%100
29	OVP2	X	-.196	-.196	0	%100
30	OVP2	Z	-.34	-.34	0	%100
31	MP2A	X	-.24	-.24	0	%100
32	MP2A	Z	-.415	-.415	0	%100
33	M32A	X	0	0	0	%100
34	M32A	Z	0	0	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	0	0	0	%100
37	M34B	X	-.238	-.238	0	%100
38	M34B	Z	-.412	-.412	0	%100
39	M35B	X	-.303	-.303	0	%100
40	M35B	Z	-.525	-.525	0	%100
41	M36A	X	0	0	0	%100
42	M36A	Z	0	0	0	%100
43	M37	X	-1e-5	-1e-5	0	%100
44	M37	Z	-1.7e-5	-1.7e-5	0	%100
45	M38	X	-.451	-.451	0	%100
46	M38	Z	-.781	-.781	0	%100
47	M41	X	-1e-5	-1e-5	0	%100
48	M41	Z	-1.7e-5	-1.7e-5	0	%100
49	M42	X	-.451	-.451	0	%100
50	M42	Z	-.781	-.781	0	%100
51	M46	X	-.238	-.238	0	%100
52	M46	Z	-.412	-.412	0	%100
53	M52A	X	-.455	-.455	0	%100
54	M52A	Z	-.787	-.787	0	%100
55	M54	X	-.455	-.455	0	%100
56	M54	Z	-.787	-.787	0	%100
57	M58	X	-.352	-.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M58	Z	-.61	-.61	0	%100
59	M59	X	-.352	-.352	0	%100
60	M59	Z	-.61	-.61	0	%100
61	M60	X	-3.6e-5	-3.6e-5	0	%100
62	M60	Z	-6.2e-5	-6.2e-5	0	%100
63	M61	X	-.076	-.076	0	%100
64	M61	Z	-.131	-.131	0	%100
65	M62	X	-.455	-.455	0	%100
66	M62	Z	-.787	-.787	0	%100
67	M63	X	-.226	-.226	0	%100
68	M63	Z	-.391	-.391	0	%100
69	M64	X	-.458	-.458	0	%100
70	M64	Z	-.794	-.794	0	%100
71	M67	X	-.229	-.229	0	%100
72	M67	Z	-.396	-.396	0	%100
73	M68	X	-2.9e-5	-2.9e-5	0	%100
74	M68	Z	-5e-5	-5e-5	0	%100
75	M72	X	-.244	-.244	0	%100
76	M72	Z	-.422	-.422	0	%100
77	M78	X	-.455	-.455	0	%100
78	M78	Z	-.787	-.787	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M85	X	0	0	0	%100
82	M85	Z	0	0	0	%100
83	MP3B	X	-.24	-.24	0	%100
84	MP3B	Z	-.415	-.415	0	%100
85	M90	X	-.265	-.265	0	%100
86	M90	Z	-.459	-.459	0	%100
87	MP2B	X	-.24	-.24	0	%100
88	MP2B	Z	-.415	-.415	0	%100
89	M93A	X	-.196	-.196	0	%100
90	M93A	Z	-.34	-.34	0	%100
91	M90A	X	-.218	-.218	0	%100
92	M90A	Z	-.377	-.377	0	%100
93	M93B	X	0	0	0	%100
94	M93B	Z	0	0	0	%100
95	M94	X	-.218	-.218	0	%100
96	M94	Z	-.377	-.377	0	%100
97	MP3C	X	-.24	-.24	0	%100
98	MP3C	Z	-.415	-.415	0	%100
99	MP2C	X	-.24	-.24	0	%100
100	MP2C	Z	-.415	-.415	0	%100
101	M109A	X	0	0	0	%100
102	M109A	Z	0	0	0	%100
103	M110	X	-.252	-.252	0	%100
104	M110	Z	-.437	-.437	0	%100
105	M111	X	-.252	-.252	0	%100
106	M111	Z	-.437	-.437	0	%100
107	MP4A	X	-.24	-.24	0	%100
108	MP4A	Z	-.415	-.415	0	%100
109	MP1A	X	-.24	-.24	0	%100
110	MP1A	Z	-.415	-.415	0	%100
111	MP4C	X	-.24	-.24	0	%100
112	MP4C	Z	-.415	-.415	0	%100
113	MP1C	X	-.24	-.24	0	%100
114	MP1C	Z	-.415	-.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	MP4B	X	-.24	-.24	0	%100
116	MP4B	Z	-.415	-.415	0	%100
117	MP1B	X	-.24	-.24	0	%100
118	MP1B	Z	-.415	-.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M21	Y	-1.151	-6.188	0	.741
2	M21	Y	-6.188	-7.331	.741	1.481
3	M21	Y	-7.331	-5.916	1.481	2.222
4	M21	Y	-5.916	-4.659	2.222	2.963
5	M21	Y	-4.659	-2.228	2.963	3.703
6	M34	Y	-2.289	-2.57	0	.741
7	M34	Y	-2.57	-5.371	.741	1.481
8	M34	Y	-5.371	-7.924	1.481	2.222
9	M34	Y	-7.924	-5.869	2.222	2.963
10	M34	Y	-5.869	-1.978	2.963	3.703
11	M34B	Y	-1.151	-6.188	0	.741
12	M34B	Y	-6.188	-7.331	.741	1.481
13	M34B	Y	-7.331	-5.916	1.481	2.222
14	M34B	Y	-5.916	-4.659	2.222	2.963
15	M34B	Y	-4.659	-2.228	2.963	3.703
16	M46	Y	-2.289	-2.57	0	.741
17	M46	Y	-2.57	-5.371	.741	1.481
18	M46	Y	-5.371	-7.924	1.481	2.222
19	M46	Y	-7.924	-5.869	2.222	2.963
20	M46	Y	-5.869	-1.978	2.963	3.703
21	M60	Y	-1.151	-6.188	0	.741
22	M60	Y	-6.188	-7.331	.741	1.481
23	M60	Y	-7.331	-5.916	1.481	2.222
24	M60	Y	-5.916	-4.659	2.222	2.963
25	M60	Y	-4.659	-2.228	2.963	3.703
26	M72	Y	-2.289	-2.57	0	.741
27	M72	Y	-2.57	-5.371	.741	1.481
28	M72	Y	-5.371	-7.924	1.481	2.222
29	M72	Y	-7.924	-5.869	2.222	2.963
30	M72	Y	-5.869	-1.978	2.963	3.703

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M21	Y	-2.205	-11.847	0	.741
2	M21	Y	-11.847	-14.037	.741	1.481
3	M21	Y	-14.037	-11.326	1.481	2.222
4	M21	Y	-11.326	-8.92	2.222	2.963
5	M21	Y	-8.92	-4.267	2.963	3.703
6	M34	Y	-4.383	-4.92	0	.741
7	M34	Y	-4.92	-10.284	.741	1.481
8	M34	Y	-10.284	-15.172	1.481	2.222
9	M34	Y	-15.172	-11.238	2.222	2.963
10	M34	Y	-11.238	-3.787	2.963	3.703
11	M34B	Y	-2.205	-11.847	0	.741
12	M34B	Y	-11.847	-14.037	.741	1.481
13	M34B	Y	-14.037	-11.326	1.481	2.222
14	M34B	Y	-11.326	-8.92	2.222	2.963
15	M34B	Y	-8.92	-4.267	2.963	3.703
16	M46	Y	-4.383	-4.92	0	.741

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M46	Y	-4.92	-10.284	.741	1.481
18	M46	Y	-10.284	-15.172	1.481	2.222
19	M46	Y	-15.172	-11.238	2.222	2.963
20	M46	Y	-11.238	-3.787	2.963	3.703
21	M60	Y	-2.205	-11.847	0	.741
22	M60	Y	-11.847	-14.037	.741	1.481
23	M60	Y	-14.037	-11.326	1.481	2.222
24	M60	Y	-11.326	-8.92	2.222	2.963
25	M60	Y	-8.92	-4.267	2.963	3.703
26	M72	Y	-4.383	-4.92	0	.741
27	M72	Y	-4.92	-10.284	.741	1.481
28	M72	Y	-10.284	-15.172	1.481	2.222
29	M72	Y	-15.172	-11.238	2.222	2.963
30	M72	Y	-11.238	-3.787	2.963	3.703

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N41	N56A	N57	Y	Two Way	-.005
2	N82	N80	N87	N88	Y	Two Way	-.005
3	N123	N121	N128	N129	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N56	N41	N56A	N57	Y	Two Way	-.01
2	N82	N80	N87	N88	Y	Two Way	-.01
3	N123	N121	N128	N129	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	N31	max	642.996	10	1254.168	13	898.911	1	2.102	13	.847	4	0	4
2		min	-664.105	4	292.013	7	-965.477	7	-.036	7	-.821	10	-.259	10
3	N59	max	766.407	9	1645.109	21	1002.424	1	-.266	2	1.32	12	-.53	3
4		min	-775.936	3	574.19	2	-987.029	7	-1.81	44	-1.307	6	-2.409	21
5	N100	max	689.2	11	1272.893	30	568.607	1	-.196	12	.797	8	1.817	50
6		min	-658.613	5	300.705	12	-517.443	7	-1.699	30	-.836	2	.136	11
7	Totals:	max	2050.45	10	3880.267	14	2469.942	1						
8		min	-2050.451	4	1946.215	8	-2469.95	7						

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M21	L2x2x2	.089	0	24	.012	0	y	22	8058.875	15908.4	.403	.693	1...	H2-1
2	MP3A	PIPE_2.0	.158	3.313	6	.055	3.313		7	20866.7...	32130	1.872	1.872	1...	H1-1b
3	M1	PIPE_3.0	.070	10.6...	50	.045	4.557		47	28250.5...	65205	5.749	5.749	2...	H1-1b
4	M19	PIPE_3.0X	.276	5.042	13	.083	5.042		23	77244.4...	89145	7.639	7.639	3...	H1-1b
5	M10	PL3/8x6	.199	.542	7	.044	0	y	14	34119.8...	72900	.57	9.113	1...	H1-1b
6	M49A	PL1/4X3	.199	.17	8	.276	.17	y	13	20671.4...	24300	.127	1.519	1...	H1-1b
7	M50	PL3/8x6	.034	.104	4	.159	.208	y	13	70881.6...	72900	.57	9.113	1...	H1-1b
8	M61A	PL1/4X3	.220	.17	6	.328	.17	y	13	20671.4...	24300	.127	1.519	1...	H1-1b
9	M62A	PL3/8x6	.044	.104	10	.182	.208	y	13	70881.6...	72900	.57	9.113	1...	H1-1b
10	M34	L2x2x2	.085	3.703	14	.012	3.703	y	16	8058.875	15908.4	.403	.694	1...	H2-1
11	M76A	PL3/8x6	.106	.417	1	.055	.208	y	50	65155.6...	72900	.57	9.113	1...	H1-1b
12	M82A	PL3/8x6	.110	.417	7	.037	.208	y	9	65155.6...	72900	.57	9.113	1...	H1-1b

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
13	OVP2	PIPE_2.0	.115	3	1	.012	3		1	28843.4...	32130	1.872	1.872	1...	H1-1b
14	MP2A	PIPE_2.0	.142	3.313	9	.070	3.313		12	20866.7...	32130	1.872	1.872	1...	H1-1b
15	M34B	L2x2x2	.098	0	20	.013	0	y	18	8058.875	15908.4	.403	.693	1...	H2-1
16	M35B	PIPE_3.0X	.368	5.042	21	.137	5.042		43	77244.4...	89145	7.639	7.639	3...	H1-1b
17	M36A	PL3/8x6	.196	.542	8	.080	0	y	48	34119.8...	72900	.57	9.113	1...	H1-1b
18	M37	PL1/4X3	.224	.17	4	.411	.17	y	21	20671.4...	24300	.127	1.519	1...	H1-1b
19	M38	PL3/8x6	.070	.104	12	.234	.208	y	21	70881.6...	72900	.57	9.113	1...	H1-1b
20	M41	PL1/4X3	.245	.17	2	.493	.17	y	45	20671.4...	24300	.127	1.519	1...	H1-1b
21	M42	PL3/8x6	.071	.104	6	.265	.208	y	44	70881.6...	72900	.57	9.113	1...	H1-1b
22	M46	L2x2x2	.098	3.703	22	.013	3.703	y	24	8058.875	15908.4	.403	.694	1...	H2-1
23	M52A	PL3/8x6	.101	.417	9	.071	.208	y	37	65155.6...	72900	.57	9.113	1...	H1-1b
24	M54	PL3/8x6	.111	.417	8	.063	.417	y	48	65155.6...	72900	.57	9.113	1...	H1-1b
25	M60	L2x2x2	.087	0	16	.012	0	y	14	8058.875	15908.4	.403	.693	1...	H2-1
26	M61	PIPE_3.0X	.301	5.042	30	.143	5.042		31	77244.4...	89145	7.639	7.639	3...	H1-1b
27	M62	PL3/8x6	.193	.542	12	.083	.542	y	50	34119.8...	72900	.57	9.113	1...	H1-1b
28	M63	PL1/4X3	.215	.17	12	.445	.17	y	29	20671.4...	24300	.127	1.519	1...	H1-1b
29	M64	PL3/8x6	.052	.104	8	.235	.208	y	30	70881.6...	72900	.57	9.113	1...	H1-1b
30	M67	PL1/4X3	.188	.17	10	.295	.17	y	29	20671.4...	24300	.127	1.519	1...	H1-1b
31	M68	PL3/8x6	.035	.104	2	.184	.208	y	29	70881.6...	72900	.57	9.113	1...	H1-1b
32	M72	L2x2x2	.088	3.703	18	.012	3.703	y	20	8058.875	15908.4	.403	.694	1...	H2-1
33	M78	PL3/8x6	.104	.417	12	.096	.417	y	50	65155.6...	72900	.57	9.113	1...	H1-1b
34	M80	PL3/8x6	.097	.417	5	.081	.208	y	25	65155.6...	72900	.57	9.113	1...	H1-1b
35	M85	PIPE_3.0	.061	4.557	29	.028	4.557		1	28250.5...	65205	5.749	5.749	1...	H1-1b
36	MP3B	PIPE_2.0	.170	3.333	8	.063	2.5		6	23808.54	32130	1.872	1.872	2...	H1-1b
37	M90	PIPE_3.0	.068	7.943	44	.037	4.167		12	28250.5...	65205	5.749	5.749	2...	H1-1b
38	MP2B	PIPE_2.0	.170	3.333	1	.063	3.333		11	23808.54	32130	1.872	1.872	2...	H1-1b
39	M93A	PIPE_2.0	.082	2	7	.016	2		7	28843.4...	32130	1.872	1.872	1...	H1-1b
40	M90A	PIPE_2.5	.069	8.464	7	.039	10.547		7	14558.7...	50715	3.596	3.596	2...	H1-1b
41	M93B	PIPE_2.5	.084	1.302	7	.030	8.464		7	14558.7...	50715	3.596	3.596	3...	H1-1b
42	M94	PIPE_2.5	.069	10.5...	1	.039	2.083		6	14558.7...	50715	3.596	3.596	2...	H1-1b
43	MP3C	PIPE_2.0	.148	3.313	1	.031	3.313		12	20866.7...	32130	1.872	1.872	1...	H1-1b
44	MP2C	PIPE_2.0	.141	3.313	6	.036	3.313		7	20866.7...	32130	1.872	1.872	1...	H1-1b
45	M109A	L3X3X4	.114	1.369	7	.026	0	y	6	44757.4...	46656	1.688	3.756	1...	H2-1
46	M110	L3X3X4	.145	0	7	.024	0	y	2	44757.4...	46656	1.688	3.756	1...	H2-1
47	M111	L3X3X4	.130	1.369	12	.020	0	y	4	44757.4...	46656	1.688	3.756	1...	H2-1
48	MP4A	PIPE_2.0	.130	3.313	6	.072	.5		7	20866.7...	32130	1.872	1.872	1...	H1-1b
49	MP1A	PIPE_2.0	.131	3.313	50	.075	.5		7	20866.7...	32130	1.872	1.872	2...	H1-1b
50	MP4C	PIPE_2.0	.149	3.313	1	.044	3.313		2	20866.7...	32130	1.872	1.872	1...	H1-1b
51	MP1C	PIPE_2.0	.137	3.313	17	.041	3.313		4	20866.7...	32130	1.872	1.872	1...	H1-1b
52	MP4B	PIPE_2.0	.121	3.313	8	.062	.5		11	20866.7...	32130	1.872	1.872	1...	H1-1b
53	MP1B	PIPE_2.0	.143	3.313	1	.069	3.313		12	20866.7...	32130	1.872	1.872	1...	H1-1b

Envelope AISI S100-16: LRFD Cold Formed Steel Code Checks

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pn[lb]	phi*Tn[lb]	phi*Mny...	phi*Mnz...	phi*V...	phi*V...	Cb	Eqn
1	M20	4CU2X0...	.347	2.292	24	.124	.406	y	23	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.638	H1.2-1
2	M109	4CU2X0...	.318	0	14	.116	1.886	y	15	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.642	H1.1-2
3	M32A	4CU2X0...	.456	2.292	44	.166	.406	y	18	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.615	H1.2-1
4	M33	4CU2X0...	.447	0	23	.168	1.886	y	48	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.631	H1.1-2
5	M58	4CU2X0...	.345	2.292	28	.141	.406	y	26	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.618	H1.2-1
6	M59	4CU2X0...	.403	0	30	.144	1.886	y	31	36846.1	44366.3...	1.005	4.361	1178...	1178...	1.616	H1.2-1

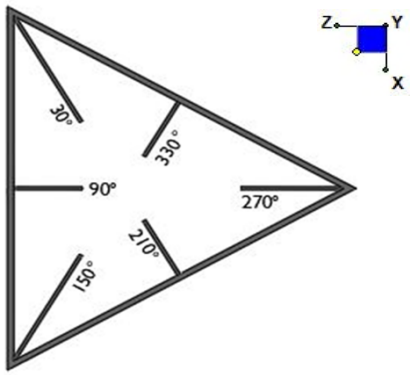
Client:	Verizon Wireless	Date:	7/26/2021
Site Name:	Mystic West CT		
Project No.	20777645A		
Title:	Antenna Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

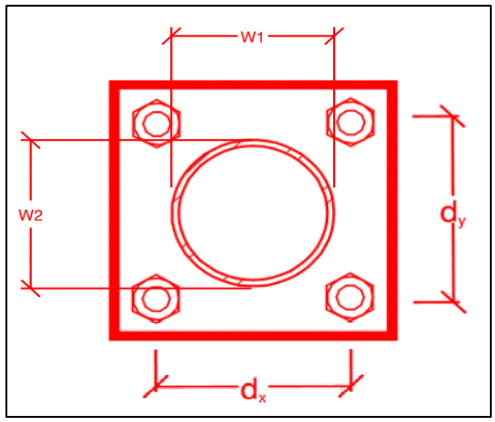
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N31	270
N55B	30
N97A	150



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):	7.5
Required Shear Strength (kips):	2.1
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**9.0%***
Shear Capacity Overall:	**4.2%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Round
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	3.5
W2 (in):	3.5
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.65
Plate Bending Capacity:	**22.3%**
Weld Capacity:	**63.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	6.4
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.6
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install 36” long P2.0 STD mount pipe on existing standoff horizontal between Alpha & Beta sector. Attach the proposed mount pipe to the standoff with crossover plate VZWSMART-MSK2. Install mount pipe with 24" above the standoff and 12" below. Contractor shall attach proposed OVP 12” from the top of mount pipe. Contractor to install safety climb wire clip on existing mount collar such that the existing safety climb wire does not contact the existing mount members

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: 468023-VZW - Mystic West CT

Sector: **A**

Structure Type: Monopole

Mount Elev: 115.42

10053692

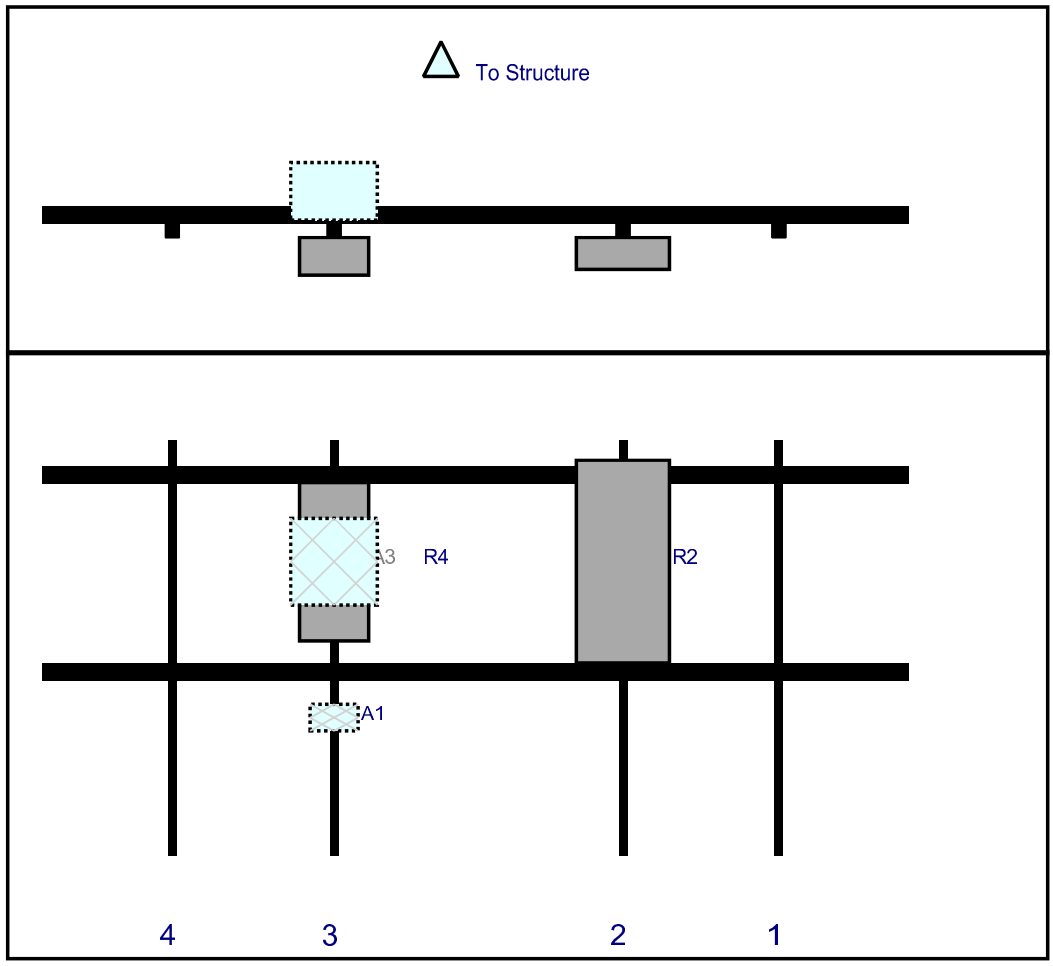
7/26/2021

Page: 1

MASER CONSULTING CONNECTICUT

Plan View

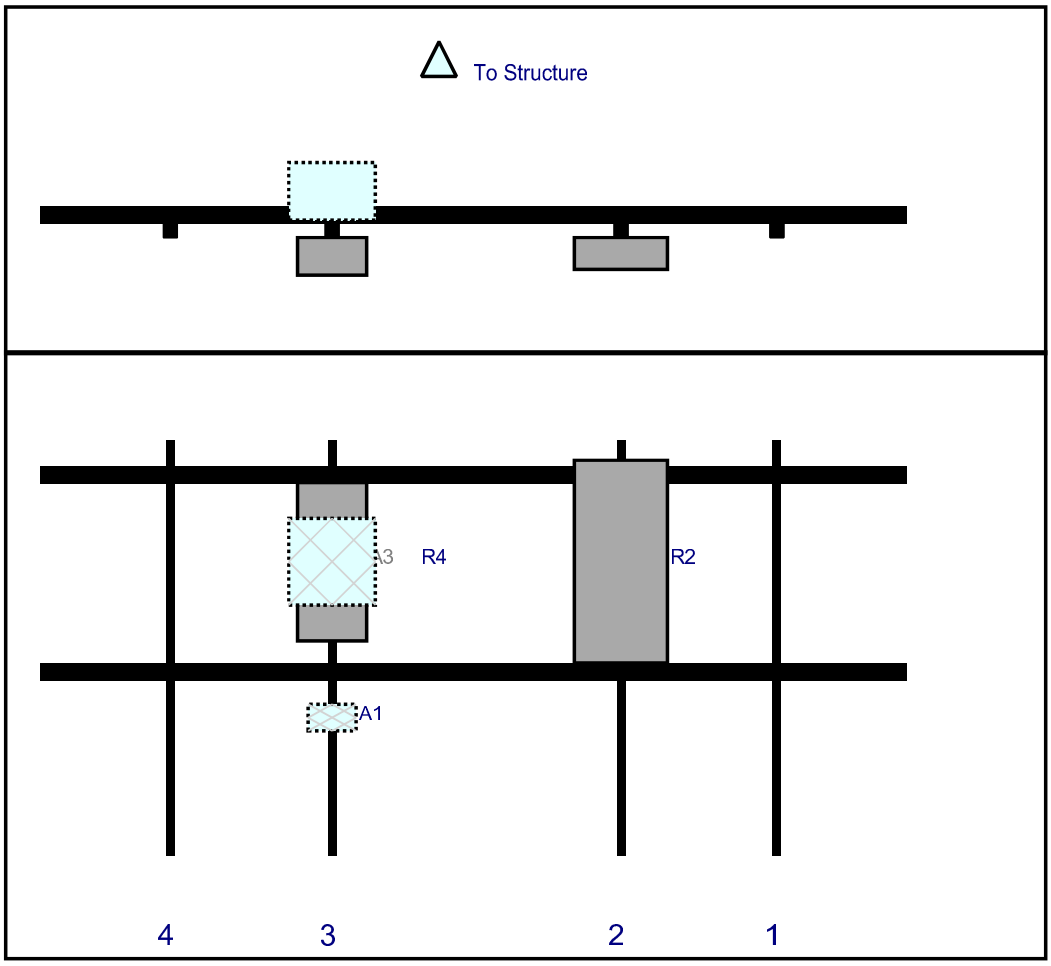
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	100.5	2	a	Front	21	0	Added	
A3	HBXX-6513DS-VTM	27.4	12	50.5	3	a	Front	21	0	Retained	02/08/2021
A1	CBC1923Q-43	4.6	8.3	50.5	3	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049	15	15	50.5	3	a	Behind	21	0	Added	

Plan View

Front View
Looking at Structure



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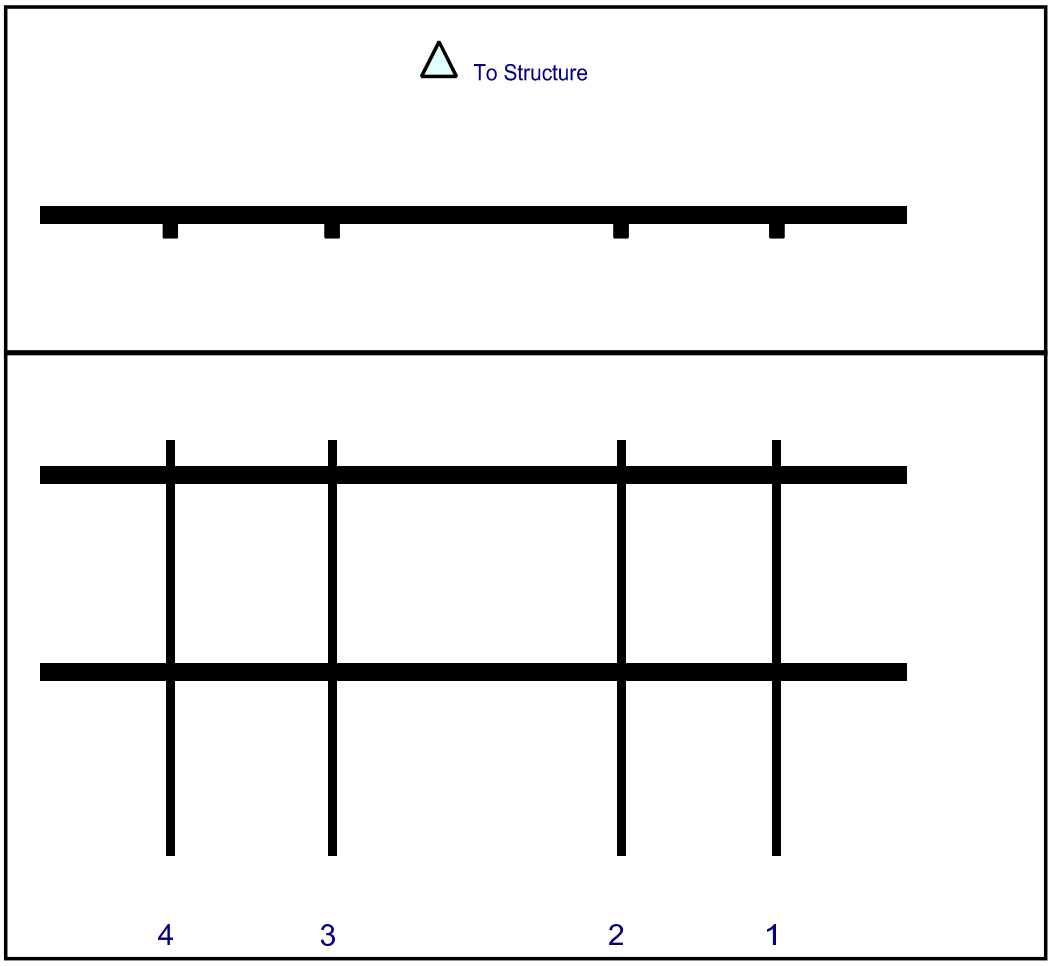
A3	HBXX-6513DS-VTM	27.4	12	50.5	3	a	Front	21	0	Retained	02/08/2021
A1	CBC1923Q-43	4.6	8.3	50.5	3	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049	15	15	50.5	3	a	Behind	21	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*468023-VZW / Mystic West CT-A*
	Site Name:	*Mystic West CT-A*
	Carrier Name:	*Verizon Wireless*
	Address:	*237 Sandy Hollow Rd.* *Mystic, Connecticut 06355* *New London County*
	Latitude:	*41.369278°*
	Longitude:	*-71.982417°*
Structure Information	*Tower Type:*	*130.00-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*
	FUZE ID # 16244632	

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

SITE NAME: MYSTIC WEST CT-A
SITE NUMBER: 468023

237 SANDY HOLLOW RD
MYSTIC, CT 06355
NEW LONDON COUNTY

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).

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.369278° N
LONGITUDE: 71.982417° W
JURISDICTION: NEW LONDON COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: GREG DULNIK
PHONE: (615) 686-2575
E-MAIL: GREG.DULNIK@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MODIFICATION DETAILS
S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10053692
VZW LOCATION CODE (PSLC): 468023
FUZE ID: 16244632

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10032616
MASER CONSULTING PROJECT #: 20777645A
ANALYSIS DATE: 3/15/2021

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

SCALE: AS SHOWN
JOB NUMBER: 20777645A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	7/27/2021	ISSUED FOR CONSTRUCTION	NL	DH
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

STATE OF CONNECTICUT DEREK R. HARTZELL LICENSED PROFESSIONAL ENGINEER 32710
Digitally signed by Derek R. Hartzell
Date: 2021.07.28 07:33:54-04'00'

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:
MYSTIC WEST CT-A
468023

237 SANDY HOLLOW RD
MYSTIC, CT 06355
NEW LONDON 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: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
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 S-2.
1		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	-	-	36" LONG, P2.0 STD PIPE	GALVANIZED
10	-	-	72" LONG, P2.0 STD PIPE	GALVANIZED
10	SITE PRO 1	SP219	PIPE MOUNT KIT	OR EOR APPROVED EQUIVALENT

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

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

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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SCALE:	JOB NUMBER:
AS SHOWN	20777645A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	7/27/2021	ISSUED FOR CONSTRUCTION	NL	DH
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

DEREK R. HARTZELL
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 29710
MASER CONSULTING

Digitally signed by Derek R. Hartzell
Date: 2021.07.28 07:34:10-04'00'

SITE NAME:
MYSTIC WEST CT-A
468023

237 SANDY HOLLOW RD
MYSTIC, CT 06355
NEW LONDON COUNTY

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

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER:
S-1

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.

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 128 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 109.84'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .186

c. LONG TERM MCER GROUND MOTION, S_1 = .052

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 GREG.DULNIK@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. 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.
9. 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.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
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.

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STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER 32710
MASER CONSULTING
Digitally signed by Derek R. Hartzell
Date: 2021.07.28 07:34:10-04'00'

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468023

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NEW LONDON COUNTY

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

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

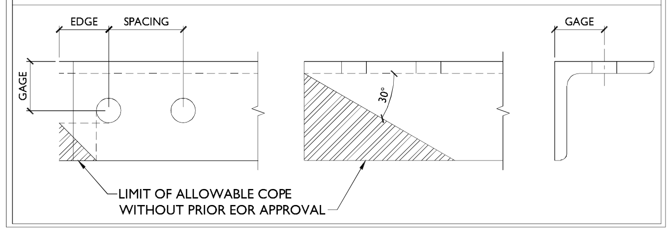
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING

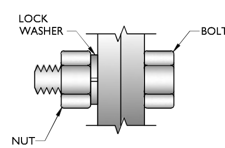


BOLT SCHEDULE (IN.)

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.

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LICENSE NUMBER: 32710
MASER CONSULTING
Digitally signed by Derek R. Hartzell
Date: 2021.07.28 07:34:10-04'00'

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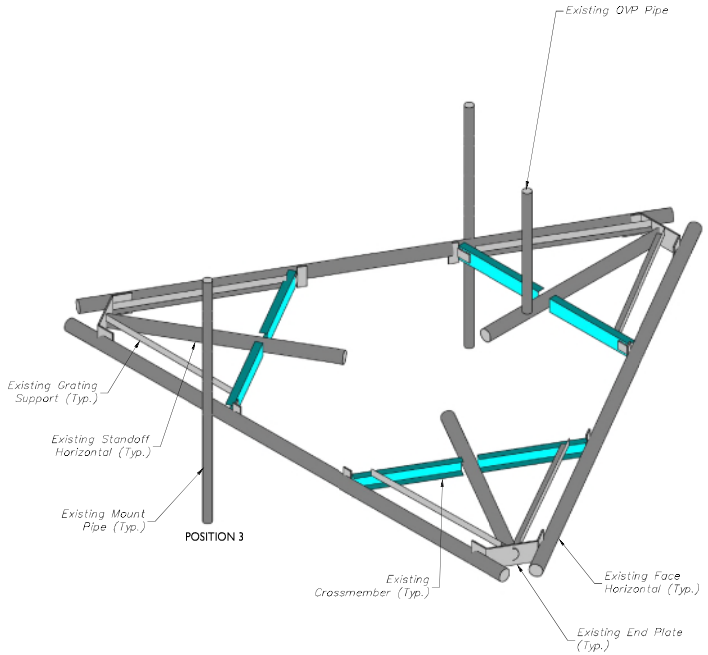
SHEET TITLE: MODIFICATION NOTES

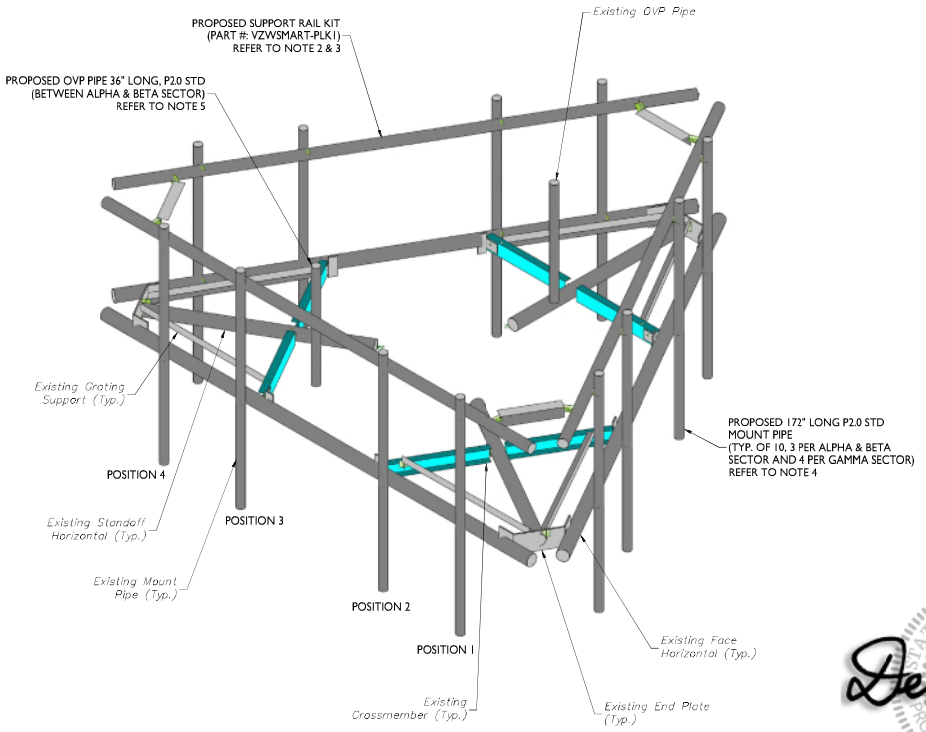
SHEET NUMBER: S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 2/8/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (115'-5") 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.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. 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.
4. CONNECT MOUNT PIPES TO THE EXISTING FACE HORIZONTAL MEMBERS USING NEW PIPE MOUNTING KITS (SITE PRO 1 PART #: SP219 OR EOR APPROVED EQUIVALENT).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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LICENSE NUMBER: 24110
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SHEET TITLE:
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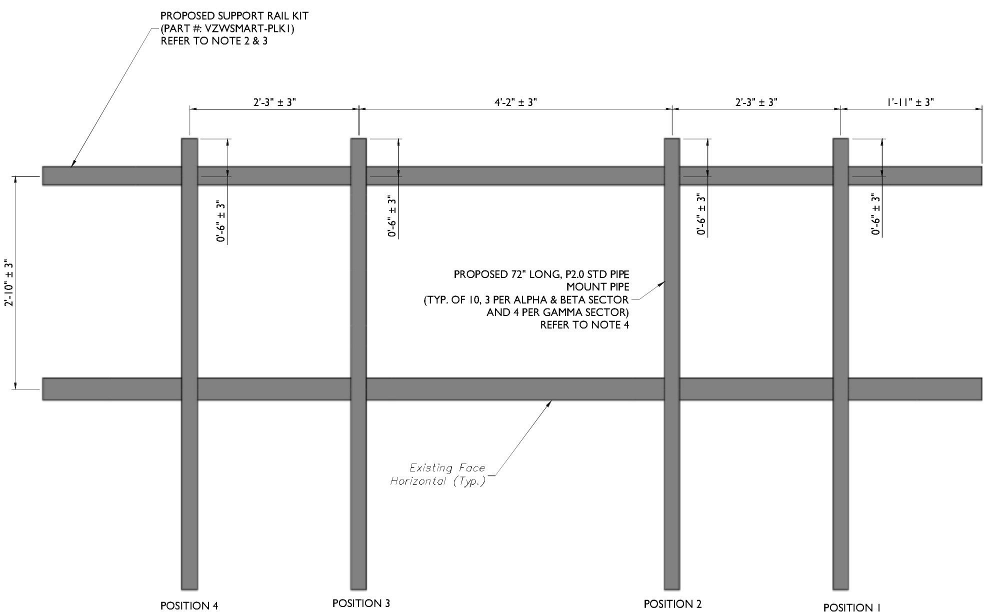
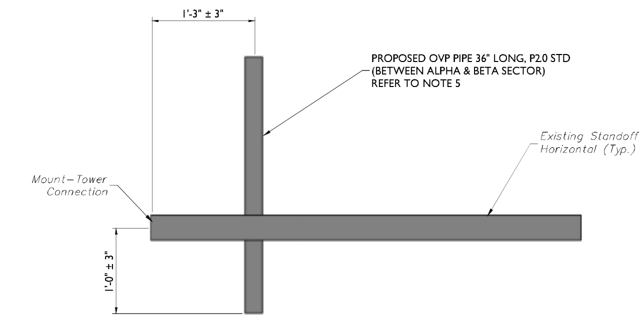
S-4



1 PROPOSED FRONT ELEVATION (GAMMA SECTOR, OTHER SECTORS SIM.)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION

SCALE : N.T.S.

MODIFICATION NOTES:

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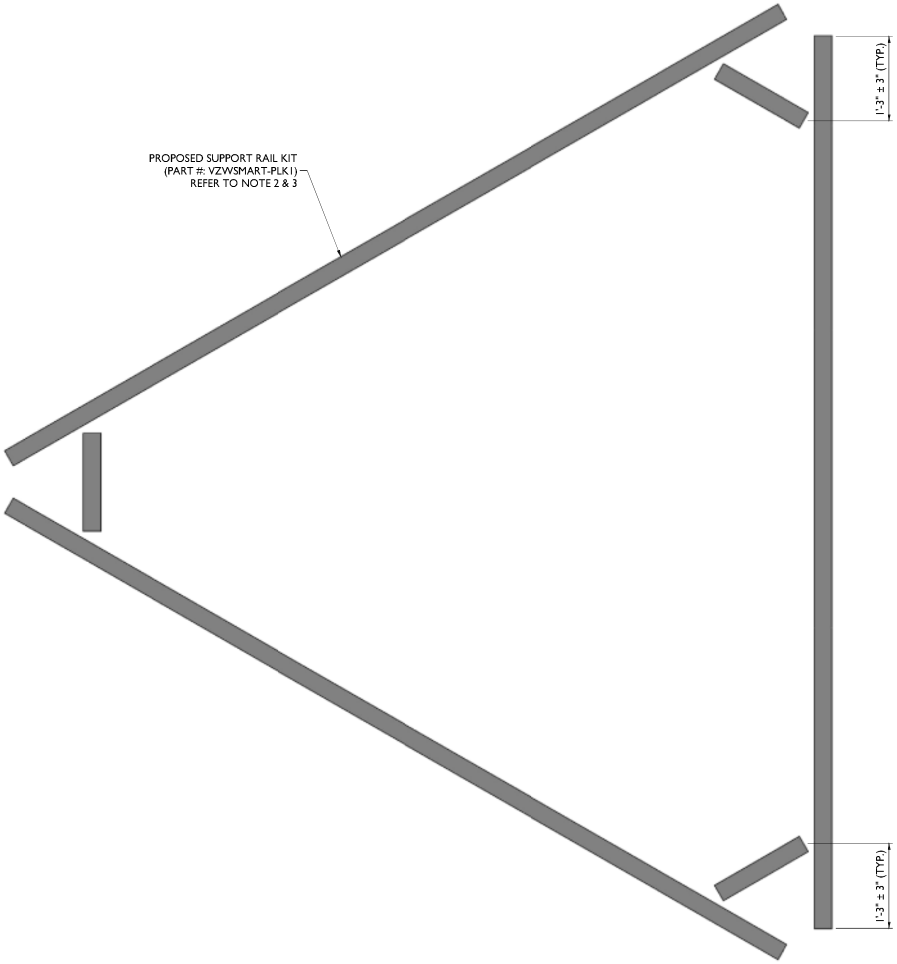
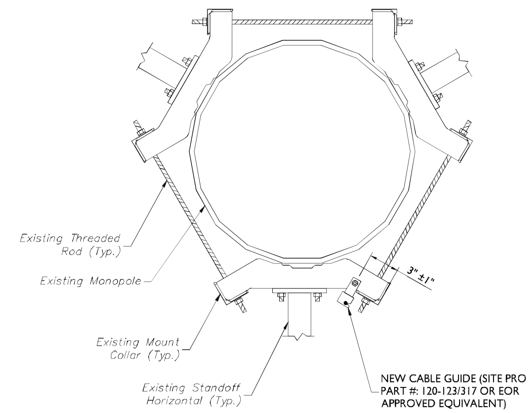
SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: S-5



1 PROPOSED PLAN VIEW

SCALE : N.T.S.



2 PROPOSED CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

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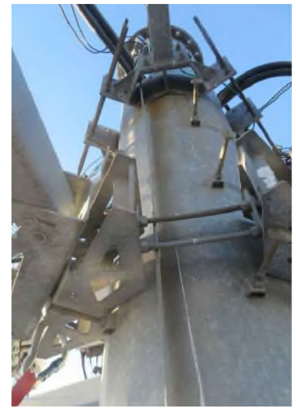
SHEET TITLE:
MODIFICATION DETAILS

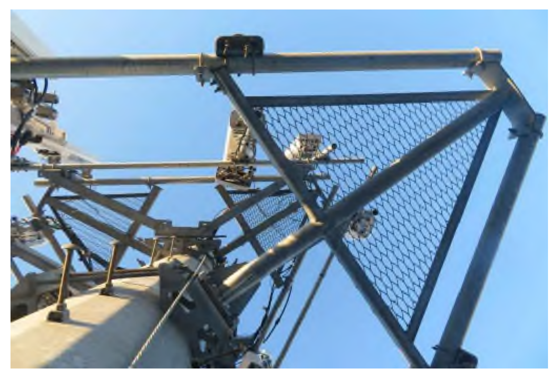
SHEET NUMBER:
S-6

MOUNT PHOTO 1



MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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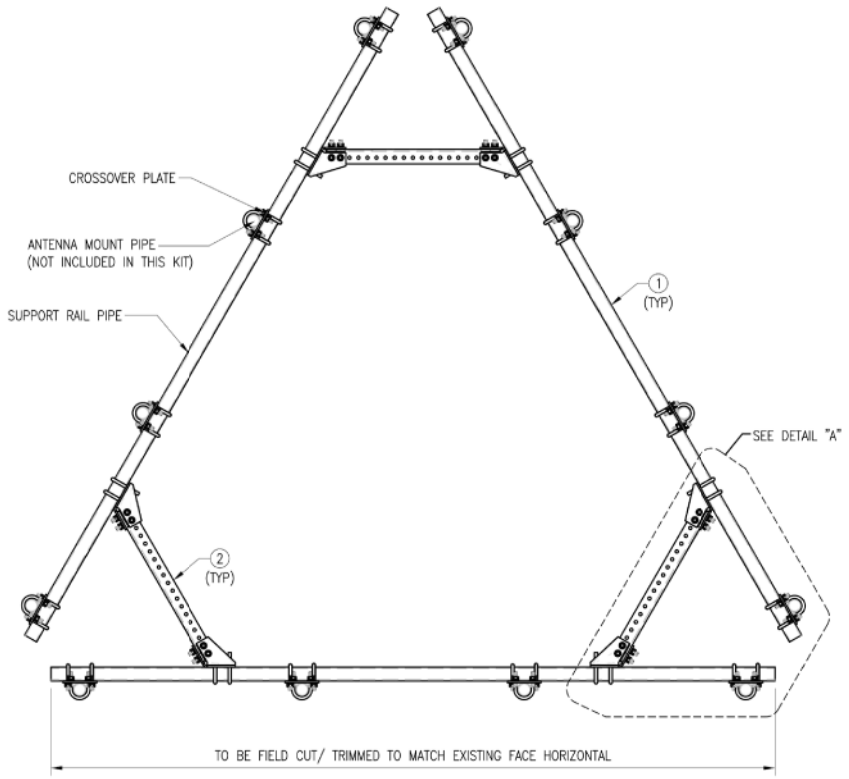
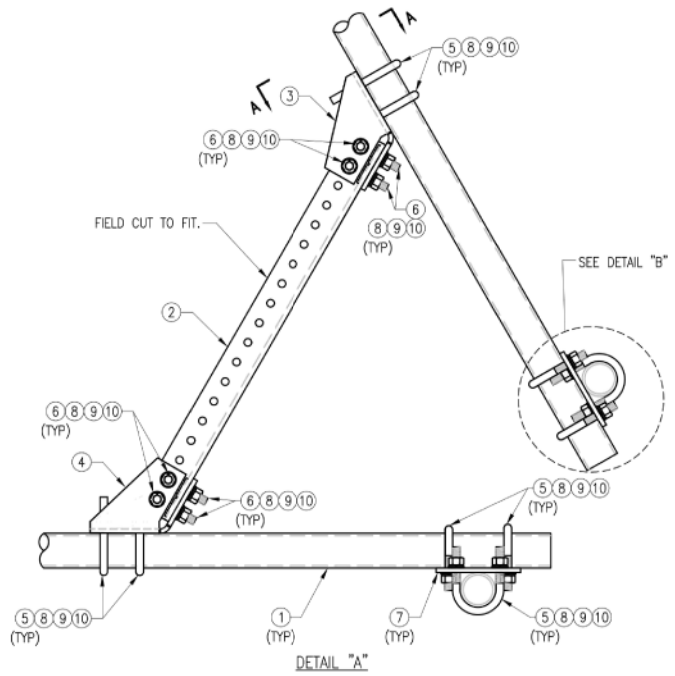
SHEET TITLE:
MOUNT PHOTOS

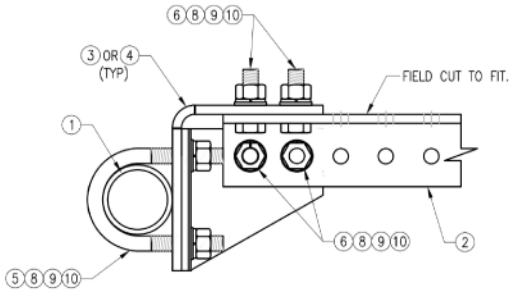
SHEET NUMBER:
S-7



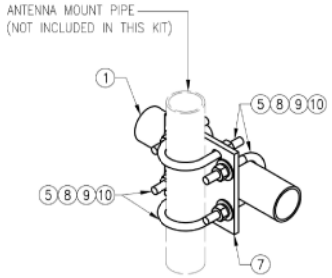
PLAN VIEW



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

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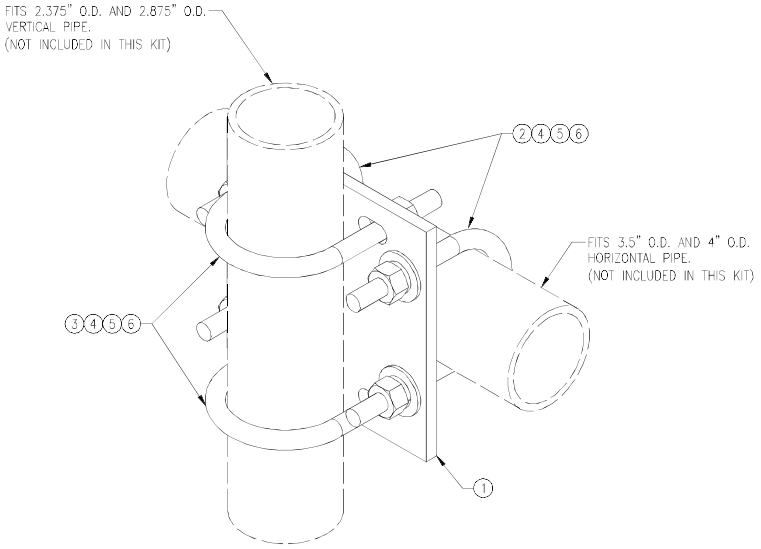
DRAWN BY: H.R | CHECKED BY: HMA

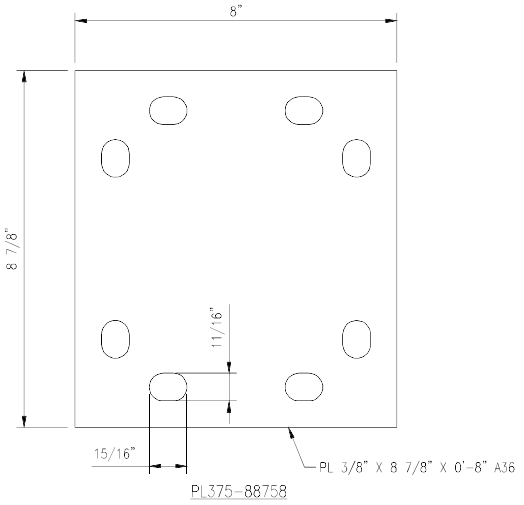
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0





VZWSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MSO2-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MSO2-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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

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verizon

DRAWN BY: H.R	CHECKED BY: HMA

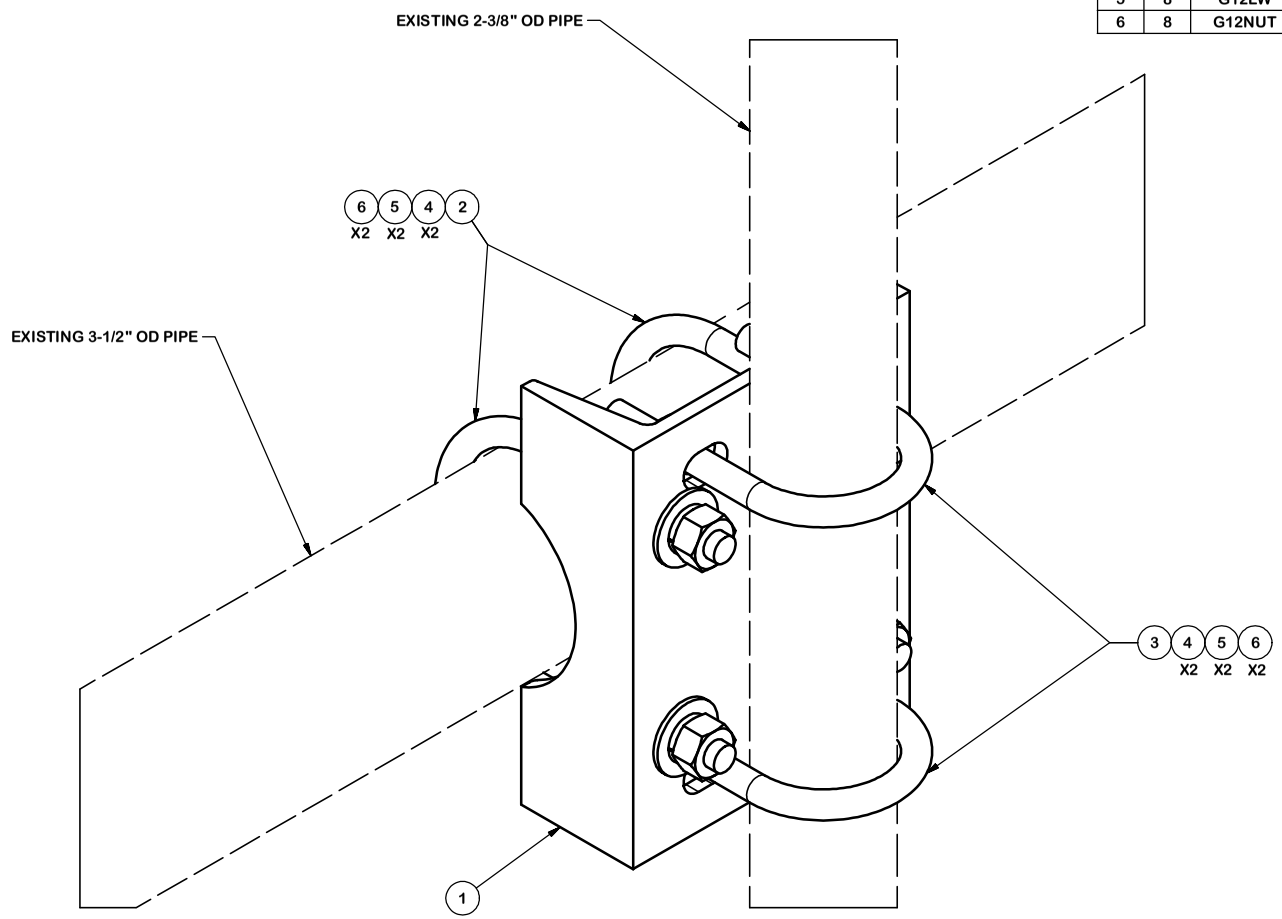
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK2	0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	1.66
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	1.25
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.47



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: PIPE MOUNT KIT

SITE PRO 1 — A valmont COMPANY

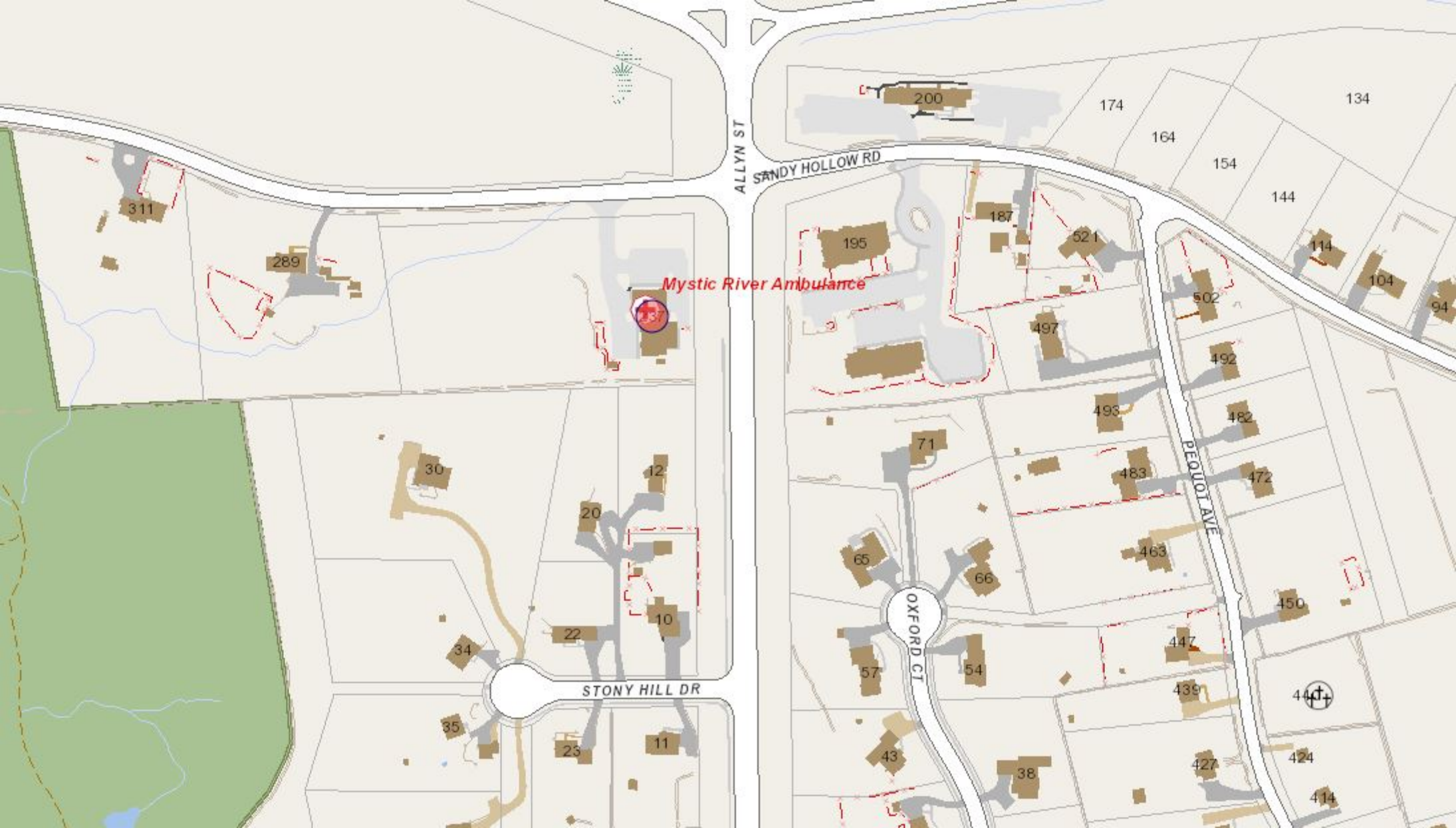
Engineering Support Team: 1-888-753-7446

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

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
4518	KC8 6/26/2012		SP219	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 1/23/2013	SP219

ATTACHMENT 5


ALLYN ST
SANDY HOLLOW RD
STONY HILL DR
OXFORD CT
PEQUOT AVE
Mystic River Ambulance
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104
94
187
195
521
502
497
492
493
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71
483
472
463
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447
57
54
439
44
43
38
427
424
414
311
289
30
12
20
10
22
34
35
23
11

Commercial Property Card

Print Date: 7/19/2021

Card 1 of 1

Account	Location	Zoning	Deed Book/Page	Acres
261909065371 E	237 SANDY HOLLOW RD	RS-20	518/	3.35

District	Use Code
OLD MYSTIC	ALL OTHER CHARITABLE ORGANIZATIONS

Current Owner

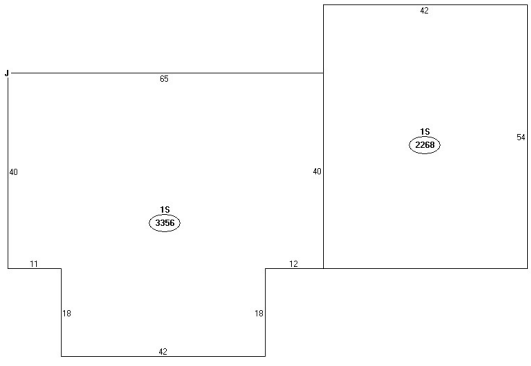
MYSTIC RIVER AMBULANCE ASSOC
P O BOX 64
W MYSTIC CT 06388

Property Picture

Building Information

Building No:	1
Year Built:	1992
No of Units:	1
Structure Type:	POLICE/FIRE STATION
Building Total Area:	5624 sqft.
Grade:	B-
Identical Units:	1

Building Sketch



Valuation

Land:	$670,000
Building:	$445,400
Total:	$1,115,400
Total Assessed Value:	$780,780

Recent Sales

Book/Page	Date	Price

Sketch Legend

518/656	9/25/1990	$141,900

-----	Main Living Area	1SMA	Masonry	GRHS	Attached Greenhouse
1FR	Frame	OMP	Open Masonry Porch	CAT	Cathedral Ceiling
OFP	Open Frame Porch	EMP	Enclosed Msry Porch	SOP	Screen Open Frame Prch
EFP	Enclosed Frame Porch	MUB	Masonry Utility	SMP	Screen Open Msnry Prch
FUB	Frame Utility Building	MB	Masonry Bay	CPAT	Concrete Patio
FB	Frame Bay	MOH	Masonry Overhang	B	Basement
FG	Frame Garage	.5MA	1/2 Story Masonry		
FOH	Frame Overhang	MP	Masonry Patio		
.5FR	1/2 Story Frame	WD	Wood Deck		
A(U)	Attic (Unfinished)	CPY	Canopy		
A(F)	Attic (Finished)				

Exterior/Interior Information

Levels	Use Type	Ext. Walls	Const. Type	Heating	A/C	Condition
01 - 01	PARKING GARAGE	FRAME	WOOD JOIST	HOT AIR	NONE	NORMAL
01 - 01	MULTI-USE OFFICE	FRAME	WOOD JOIST	HOT AIR	CENTRAL	NORMAL

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

MYSTIC WEST

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	neopost 10/15/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103 OCT 15 2021 USPS

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	John Burt, Town Manager Town of Groton 45 Fort Hill Road Groton, CT 06340				
2.	Jonathan Reiner, AICP, Director of Planning Town of Groton 134 Groton Long Point Road Groton, CT 06340				
3.	Mystic River Ambulance Association Town of Groton P.O. Box 64 Groton, CT 06340				
4.					
5.					
6.					