

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

June 9, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification
12 Orchard Drive, Ledyard, 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 in Docket No. 322 (“Council”) in February 2007. Cellco’s shared use of the tower was approved by the Council in August of 2016 (TS-VER-072-160706). A copy of the Council’s Docket No. 322 Decision and Order and Cellco’s tower share approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing three (3) existing antennas with three (3) new Samsung MT6407-77A antennas and replacing six (6) remote radio heads (“RRHs”) with six (6) new RRHs all on Cellco’s existing antenna platform. 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 Ledyard’s Chief Elected Official and Land Use Officer.

Melanie A. Bachman, Esq.
June 9, 2021
Page 2

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on Cellco's existing antenna platform.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Far field approximation tables 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, tower base plate and antenna mounting device, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the MA as a VZS01 Antenna, is the Samsung 64T64R (MT6407-77A) model antenna that will be installed on the tower.

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

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

Melanie A. Bachman, Esq.
June 9, 2021
Page 3

Sincerely,

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

Kenneth C. Baldwin

Enclosures

Copy to:

Fred Allyn, III, Mayor for the Town of Ledyard
Elizabeth Burdick, Ledyard Planning Director
Richard and Diane Holmberg, Property Owner
Aleksey Tyurin

ATTACHMENT 1

DOCKET NO. 322 - Optasite, Inc. and Omnipoint }
Communications, Inc. application for a Certificate of }
Environmental Compatibility and Public Need for the }
construction, maintenance and operation of a telecommunications }
facility located at 12 Orchard Drive, Ledyard, Connecticut. }

Connecticut

Siting

Council

February 27, 2007

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 Optasite, Inc., hereinafter referred to as the Certificate Holder, for a telecommunications facility at Site B, 12 Orchard Drive, Ledyard, Connecticut. The Council denies certification of proposed Site A, 12 Orchard Drive, Ledyard, 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 Omnipoint Communications, Inc. and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level. Antennas mounted on the tower shall not exceed a height of 150 feet above ground level.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Ledyard 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 building, access road, utility line, and landscaping; and
 - b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

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

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

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:

Certificate Holder

Optasite, Inc.

Its Representative

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

Jennifer Young Gaudet
345 Taylor Street
Talcottville, CT 06066

Co-Applicant

Omnipoint Communications, Inc.

Its Representative

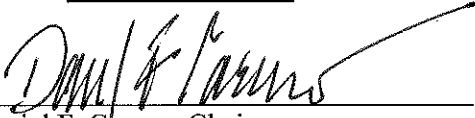
Julie D. Kohler, Esq.
Carrie L. Larson, Esq.
Cohen & Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604

CERTIFICATION

The undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in **DOCKET NO. 322** - Optasite, Inc. and Omnipoint Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 12 Orchard Drive, Ledyard, Connecticut, and voted as follows to approve proposed Site B, located at 12 Orchard Drive, Ledyard, Connecticut, and deny certification of proposed Site A, also located at 12 Orchard Drive, Ledyard, Connecticut:

Council Members

Vote Cast


Daniel F. Caruso, Chairman

Yes

Colin C. Tait, Vice Chairman

Absent

Commissioner Donald W. Downes
Designee: Gerald J. Heffernan

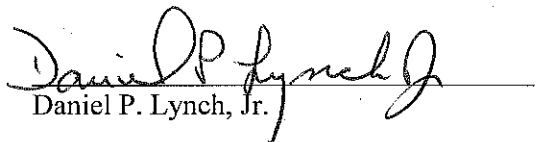
Absent


Commissioner Gina McCarthy
Designee: Brian J. Emerick

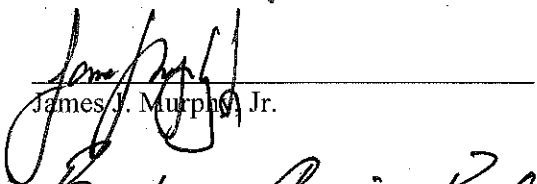
Yes

Philip T. Ashton

Absent


Daniel P. Lynch, Jr.

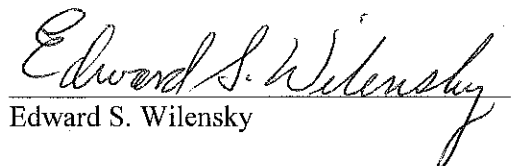
Yes


James J. Murphy, Jr.

Yes


Dr. Barbara Currier Bell

Yes


Edward S. Wilensky

Yes

Dated at New Britain, Connecticut, February 27, 2007.



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

August 5, 2016

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

RE: **TS-VER-072-160706** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 12 Orchard Drive, Ledyard, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on August 4, 2016, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

1. Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
2. Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
3. Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
4. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by Cellco shall be removed within 60 days of the date the antenna ceased to function;
5. The validity of this action shall expire one year from the date of this letter; and
6. The applicant 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 applies only to this request for tower sharing dated July 5, 2016. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.

The proposed shared use is to be implemented as specified in your letter dated July 5, 2016, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.



CONNECTICUT SITING COUNCIL

Affirmative Action / Equal Opportunity Employer

Very truly yours,

Robert Stein ^{AMB}

Robert Stein
Chairman

RS/FOC/lm

c: The Honorable Michael Finkelstein, Mayor, Town of Ledyard
Charles Karno, Planning Director, Town of Ledyard
SBA Communications
Brixmore GA Turnpike Plaza LLC

ATTACHMENT 2



WIRELESS COMMUNICATIONS FACILITY UPGRADE

LEDYARD NORTH CT
12 ORCHARD LANE,
LEDYARD, CT 06335

SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT

TO: 12 ORCHARD LN,
LEDYARD, CT 06335

- | | |
|---|----------|
| 1. START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD. | 0.18 MI |
| 2. TURN RIGHT ONTO BARNES INDUSTRIAL RD. | 0.11 MI |
| 3. TAKE THE 1ST LEFT ONTO CT-68. | 0.35 MI |
| 4. TURN RIGHT ONTO RAMP. | 0.17 MI |
| 5. TURN RIGHT ONTO N COLONY RD/US-5 N. | 0.30 MI |
| 6. MERGE ONTO CT-15 N TOWARD HARTFORD. | 3.58 MI |
| 7. MERGE ONTO I-91 N VIA EXIT 68N-E TOWARD MIDDLETOWN/HARTFORD/CT-66 E. | 0.45 MI |
| 8. MERGE ONTO CT-66 E VIA EXIT 19 TOWARD MIDDLETOWN/MIDDLEFIELD. | 6.85 MI |
| 9. TURN LEFT ONTO MAIN ST/CT-66. | 1.23 MI |
| 10. TURN RIGHT ONTO MARLBOROUGH ST/CT-66/CT-17. CONTINUE TO FOLLOW CT-66. | 5.89 MI |
| 11. TURN RIGHT ONTO MIDDLETOWN AVE. | 2.35 MI |
| 12. MIDDLETOWN AVE BECOMES CT-16. | 9.13 MI |
| 13. MERGE ONTO CT-2 E TOWARD NEW LONDON/NORWICH. | 13.20 MI |
| 14. MERGE ONTO I-85 S/CT-2A E VIA EXIT 26S TOWARD NEW HAVEN. | 3.87 MI |
| 15. MERGE ONTO CT-2A E VIA EXIT 9 TOWARD PRESTON/LEDYARD. | 3.20 MI |
| 16. TAKE ROUTE 12/CT-12 TOWARD CT-12 S/GALES FERRY/GROTON/LEDYARD. | 1.14 MI |
| 17. TURN LEFT ONTO ORCHARD LN. | 0.14 MI |
| 18. 12 ORCHARD LN, GALES FERRY, CT 06335-1025, 12 ORCHARD LN IS ON THE RIGHT. | |

VICINITY MAP

SCALE: 1" = 1000'



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.

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:

- PERFORM MODIFICATIONS PER MOUNT MODIFICATION DRAWINGS PREPARED BY OTHERS AS REFERENCED HEREIN.
- RELOCATE (6) EXISTING SBNHH ANTENNA ON (3) NEW BSAMNT-SBS-2-2 MOUNTS.
- REPLACE (3) SPARE ANTENNAS WITH (3) MT6407-77A ALL-IN-ONE ANTENNA/ RRHS.
- REMOVE (6) EXISTING NOKIA RRHS AND INSTALL (3) NEW SAMSUNG B5/B13 RRH-BR04C AND (3) NEW SAMSUNG B2/B66A RRH-BR049.

PROJECT INFORMATION

SITE NAME:	LEDYARD NORTH CT
SITE ADDRESS:	12 ORCHARD LANE, LEDYARD, CT 06335
LESSEE/TENANT:	CELCO 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°-28'-5.8"N LONGITUDE: 72°-3'-16.1"W GROUND ELEVATION: 62'± AMSL COORDINATES BASED ON VERIZON WIRELESS RFDS DATED FEBRUARY 8, 2021.

SHEET INDEX

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

PROFESSIONAL ENGINEER SEAL



CENTEK engineering
Centered on Solutions™

(203) 488-0580
(203) 488-8587 Fax

63-2 North Branford Road
Branford, CT 06405

www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

LEDYARD NORTH CT

12 ORCHARD LANE,
LEDYARD, CT 06335

DATE: 05/10/21

SCALE: AS NOTED

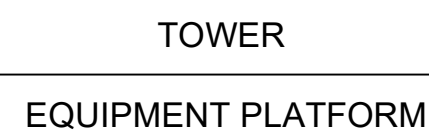
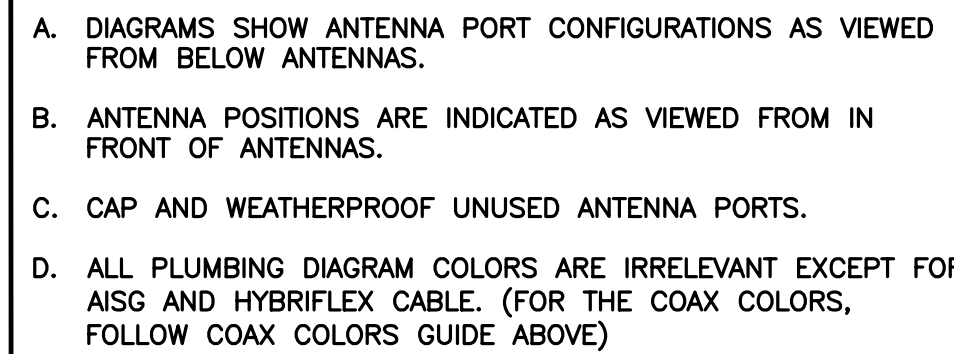
JOB NO.	21007.09
---------	----------

TITLE
SHEET

T-1

Sheet No. 1 of 7

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.



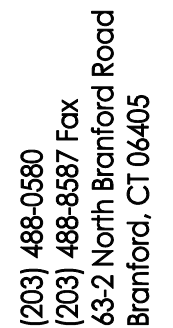
1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.O.M. DRAWING IS BASED ON FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.A DATED: 05.06.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 02.08.21).

CABLES	QUANTITY	LENGTH	COMMENTS
-	-	-	-

DIPLEXERS	QUANTITY	COMMENTS
-	0	-

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	3	COMMSCOPE MOUNT BSAMNT-SBS-2-2

PROFESSIONAL ENGINEER SEAL



www.CentekEng.com

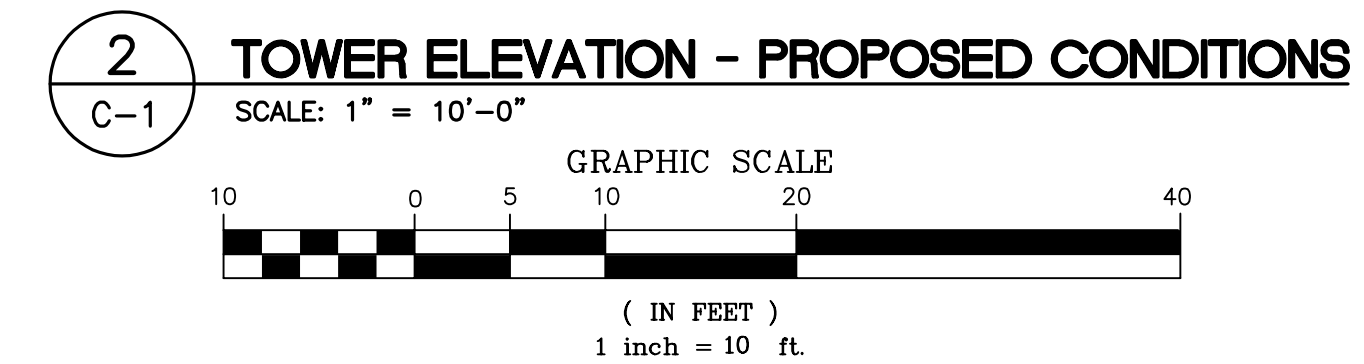
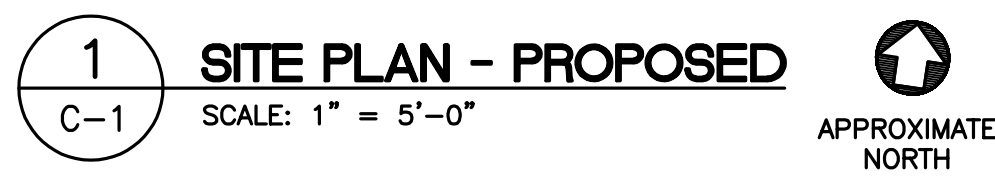
LEDYARD NORTH CT

12 ORCHARD LANE,
LEDYARD, CT 06335

RF BILL OF MATERIALS

Sheet No. 3 of 7

1. REFER TO PASSING STRUCTURAL ANALYSIS REPORT PREPARED BY TOWER ENGINEERING SOLUTIONS DATED 05/19/2021 FOR ADDITIONAL INFORMATION.



Cellco Partnership d/b/a Verizon Wireless

LEDYARD NORTH CT

12 ORCHARD LANE,
LEDYARD, CT 06335

C-1

DATE: 05/10/21

SCALE: AS NOTED

JOB NO. 21007.09

CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION

PRELIMINARY CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

COMPOUND
PLAN AND
TOWER
ELEVATION

05/27/21
05/10/21

ASC
ASC

DMD
DMD

CHKD BY
DATE

PROFESSIONAL ENGINEER SEAL

05/27/21
05/10/21

ASC
ASC

DMD
DMD

CHKD BY
DATE

DATE: 05/10/21

SCALE: AS NOTED

JOB NO. 21007.09

CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION

PRELIMINARY CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

COMPOUND
PLAN AND
TOWER
ELEVATION

05/27/21
05/10/21

ASC
ASC

DMD
DMD

CHKD BY
DATE

PROFESSIONAL ENGINEER SEAL

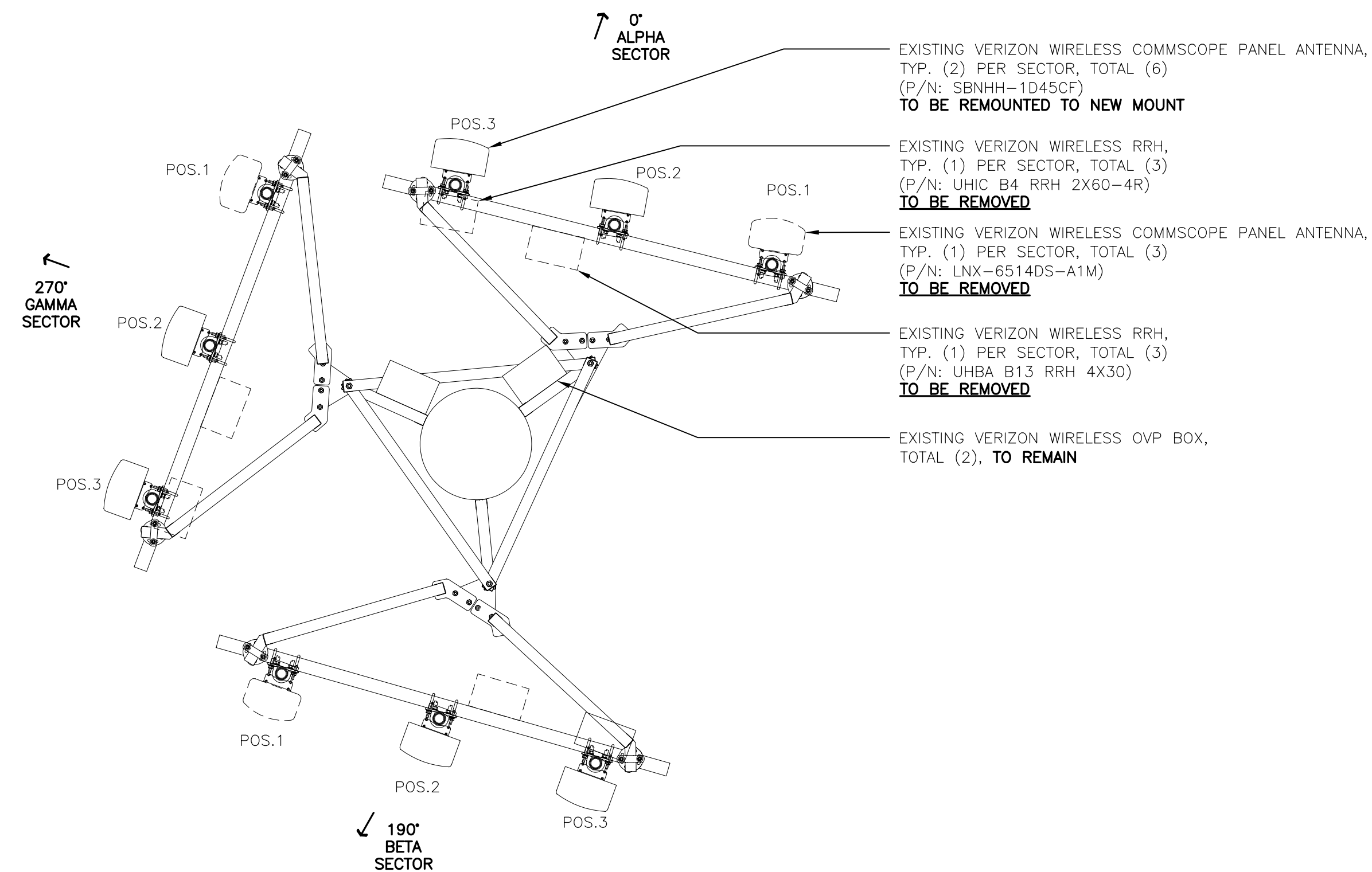
05/27/21
05/10/21

ASC
ASC

DMD
DMD

CHKD BY
DATE

EXISTING ANTENNA CONFIGURATIONS



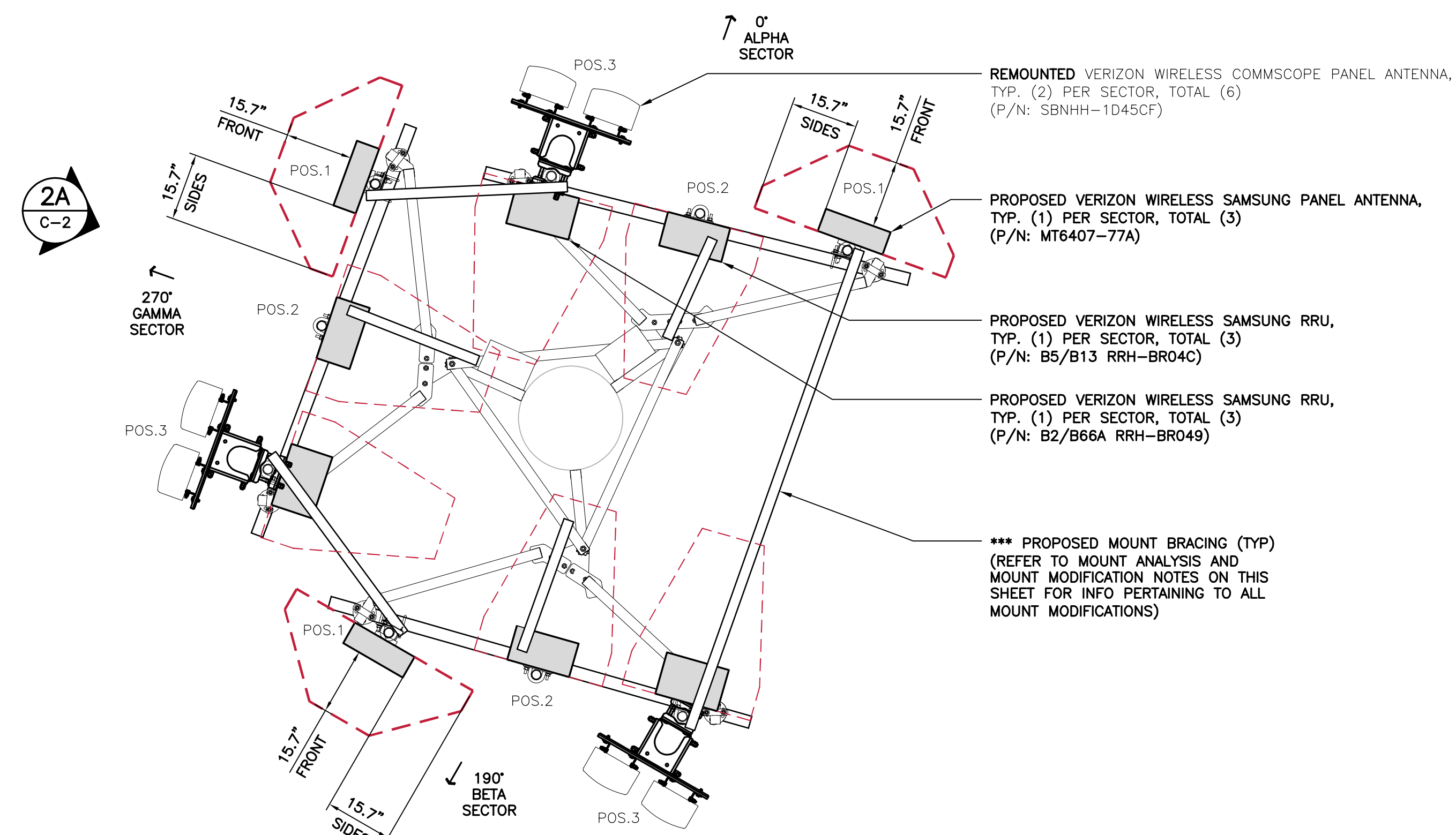
1
C-2

EXISTING SECTOR CONFIGURATION PLAN

SCALE: 1/2" = 1'-0"

 APPROXIMATE
NORTH

PROPOSED ANTENNA CONFIGURATIONS



2
C-2

PROPOSED SECTOR CONFIGURATION PLAN

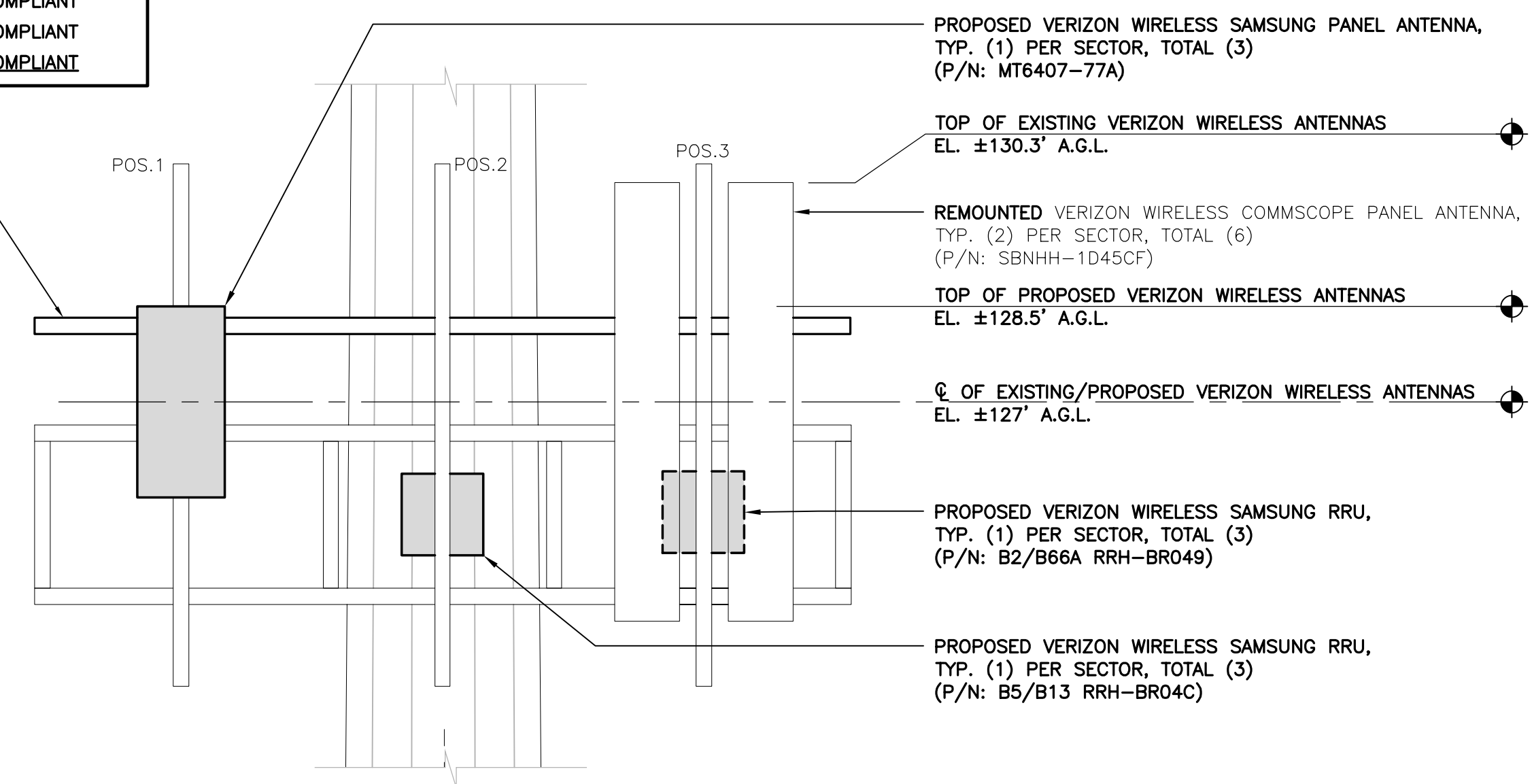
SCALE: 1/2" = 1'-0"



APPROXIMATE
NORTH

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

*** PROPOSED MOUNT BRACING (TYP)
(REFER TO MOUNT ANALYSIS AND
MOUNT MODIFICATION NOTES ON THIS
SHEET FOR INFO PERTAINING TO ALL
MOUNT MODIFICATIONS)

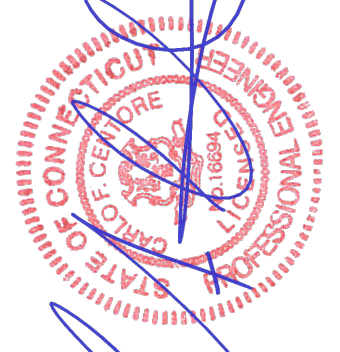


2A PROPOSED SECTOR CONFIGURATION ELEVATION
 C-2 SCALE: 1/2" = 1'-0"

ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/28/2021 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/28/2021 FOR ANTENNA MOUNT MODIFICATIONS.

PROFESSIONAL ENGINEER SEAL



CENTEK engineering
Centered on Solutions™

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

www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

LEDYARD NORIHI CI

12 ORCHARD LANE,
LEDYARD, CT 06335

DATE: 05/10/21

SCALE: AS NOTED

JOB NO. 21007.09

ANTENNA SECTOR CONFIGURATION DETAILS

C-2

Sheet No. 5 of 7



1 C-3

SECTOR ANTENNA DETAIL

NOT TO SCALE



2
C-3

DUAL ANTENNA MOUNT DETAIL

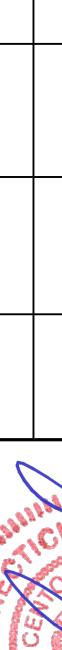
NOT TO SCALE



3 DUAL-BAND AWS/PCS RADIO UNIT DETAIL



4 DUAL-BAND 700/850 MHZ RADIO UNIT DETAIL

 	 Cellco Partnership d/b/a Verizon Wireless LEDYARD NORTH CT 12 ORCHARD LANE, LEDYARD, CT 06335		DATE: 05/10/21 SCALE: AS NOTED JOB NO. 21007.09		RF DETAILS C-3	
	CENTEK Engineering <i>Centered on Solutions™</i> (203) 488-0580 (203) 488-6587 Fax 65-7 North Branford Road Branford, CT 06405 www.CentekEng.com		PROFESSIONAL ENGINEER SEAL		CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION PRELIMINARY CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW	



- 1

NOT TO SCALE

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



NOT TO SCALE



- 3

NOT TO SCALE



NOT TO SCALE



- 5

NOT TO SCALE



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

Sheet No. 7 of 7

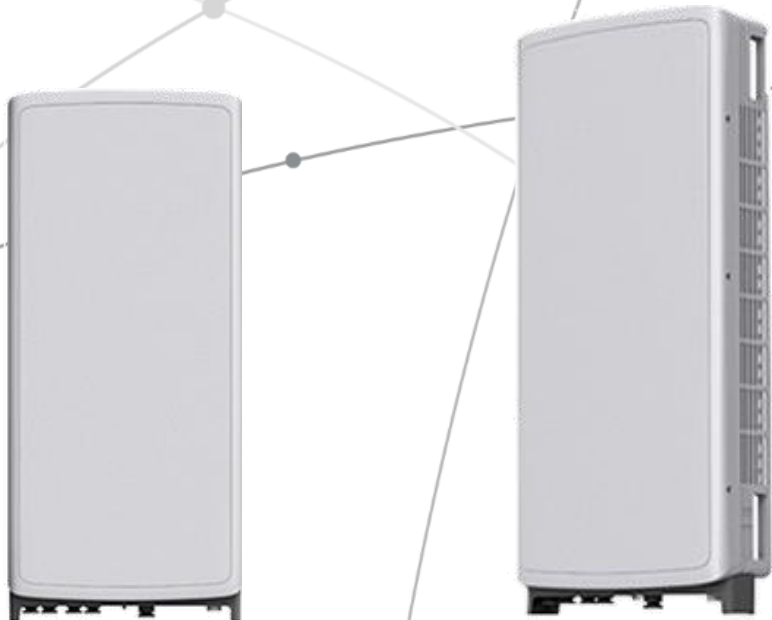
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



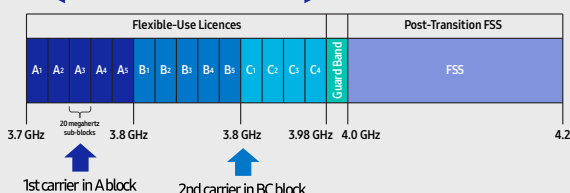
Points of Differentiation

Wide Bandwidth

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

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

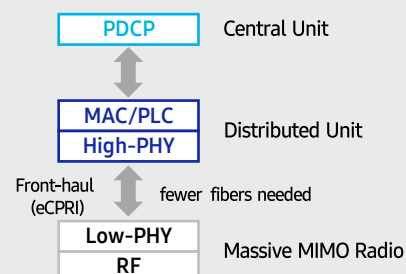
C-Band spectrum supported by Massive MIMO Radio



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.

It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

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

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

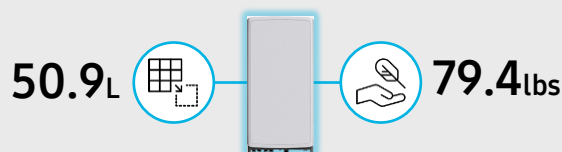
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

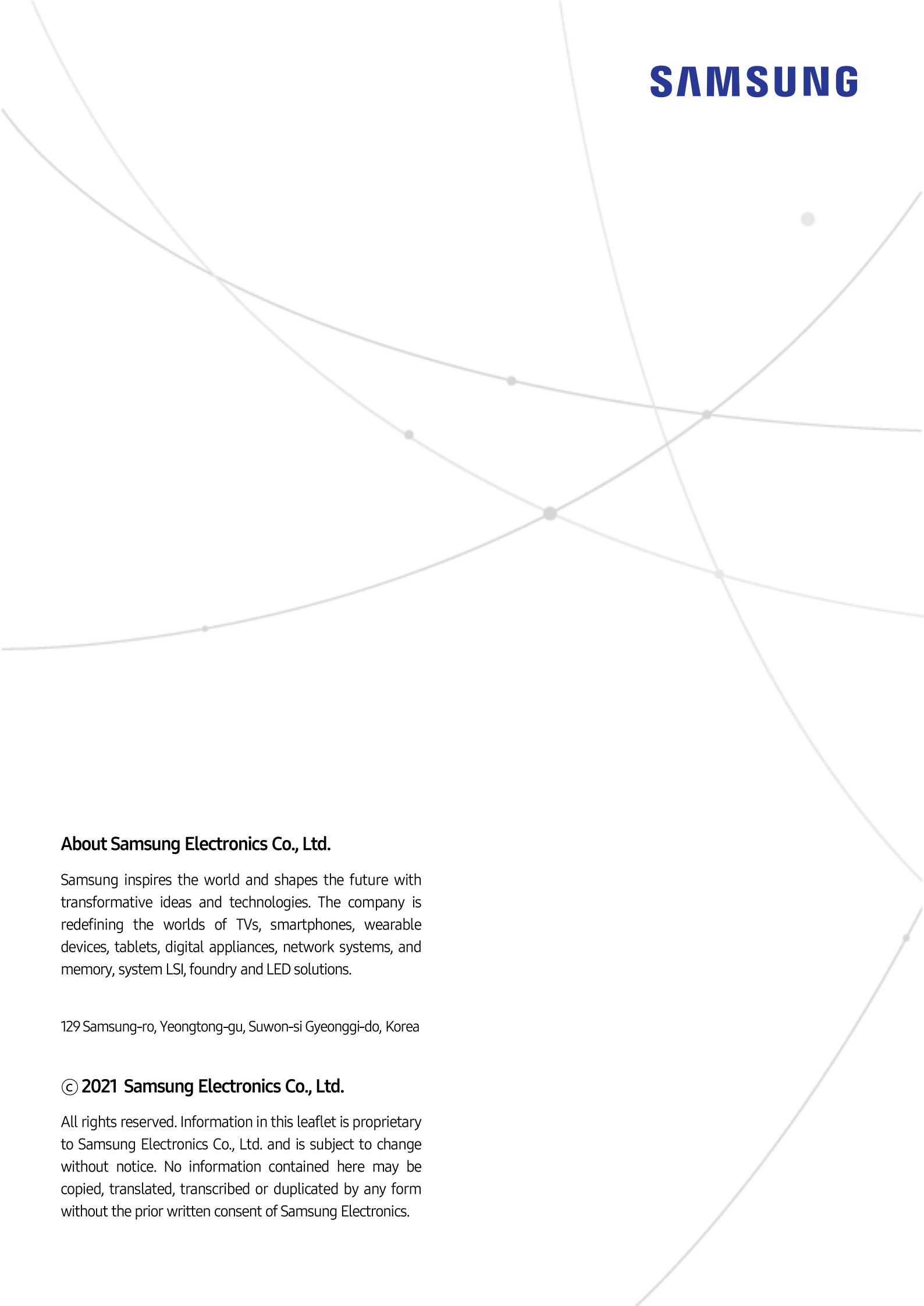
Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. Despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

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



Technical Specifications

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



SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

© 2021 Samsung Electronics Co., Ltd.

All rights reserved. Information in this leaflet is proprietary to Samsung Electronics Co., Ltd. and is subject to change without notice. No information contained here may be copied, translated, transcribed or duplicated by any form without the prior written consent of Samsung Electronics.

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

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

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



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

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

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

Features and Benefits

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

Key Technical Specifications

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

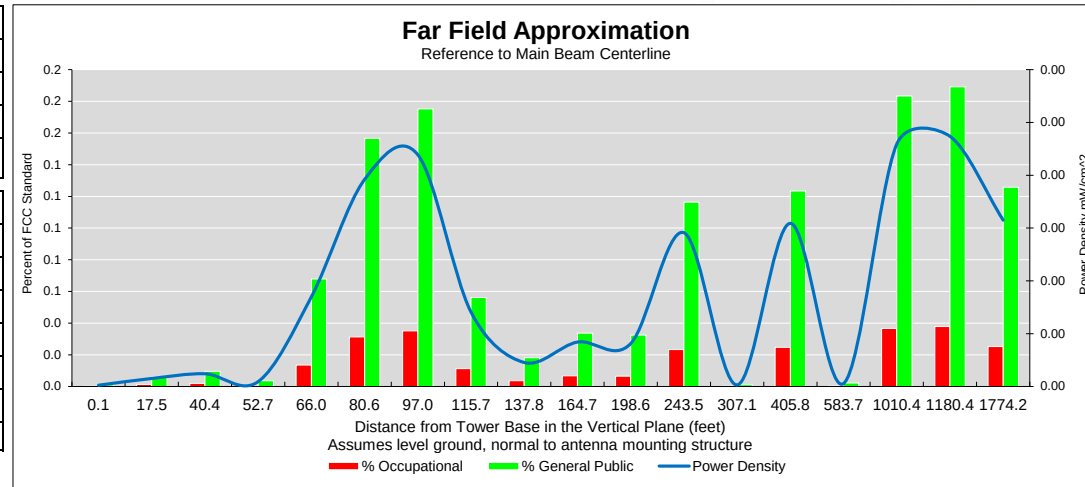
ATTACHMENT 3

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types



Location:	Ledyard North CT
Site #:	2-0903
Date:	06/04/21
Name:	Wesley Stevens
File Name:	Ledyard North CT - FF Power
Antenna Type:	SBNHH-1D45C
Operating Freq. (MHz):	751
Antenna Height (ft):	127.0
Antenna Gain (dBi):	18.0
Downtilt (degrees):	2.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



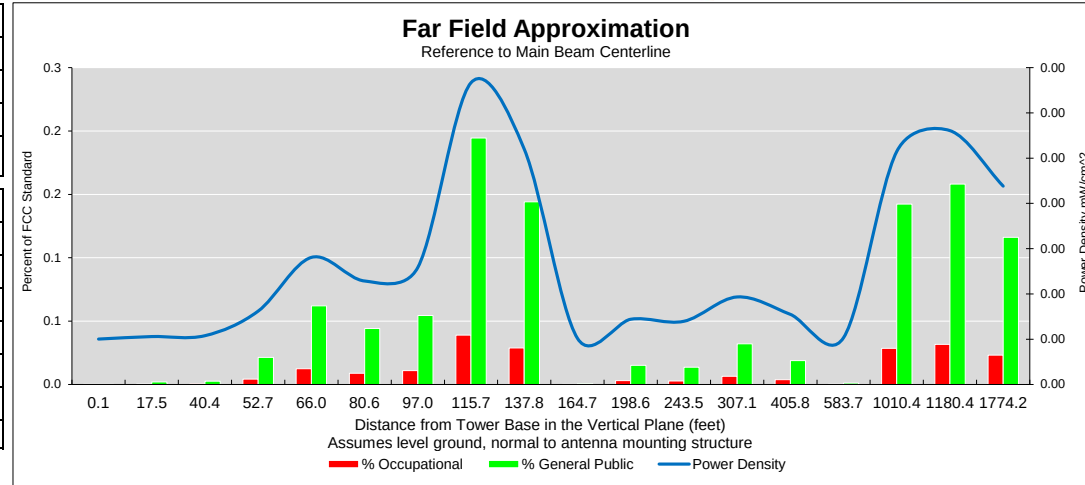
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	124.0	125.2	130.4	134.7	140.5	147.9	157.4	169.6	185.4	206.1	234.1	273.3	331.2	424.3	596.7	1018.0	1186.9	1778.5
Distance from Antenna Structure Base in Horizontal plane	0.1	17.5	40.4	52.7	66.0	80.6	97.0	115.7	137.8	164.7	198.6	243.5	307.1	405.8	583.7	1010.4	1180.4	1774.2
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	44.75	36.65	34.3	38.18	25.17	21.09	20.06	24.35	28.49	24.89	23.94	17.05	35.28	12.97	27.44	3.65	2.18	0.44
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.01	0.00	0.01	0.01	0.02	0.00	0.02	0.00	0.04	0.04	0.03
Percent of General Population Standard	0.00	0.01	0.01	0.00	0.07	0.16	0.18	0.06	0.02	0.03	0.03	0.12	0.00	0.12	0.00	0.18	0.19	0.13

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types



Location:	Ledyard North CT
Site #:	2-0903
Date:	06/04/21
Name:	Wesley Stevens
File Name:	Ledyard North CT - FF Power
Antenna Type:	SBNHH-1D45C
Operating Freq. (MHz):	874
Antenna Height (ft):	127.0
Antenna Gain (dBi):	18.5
Downtilt (degrees):	2.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



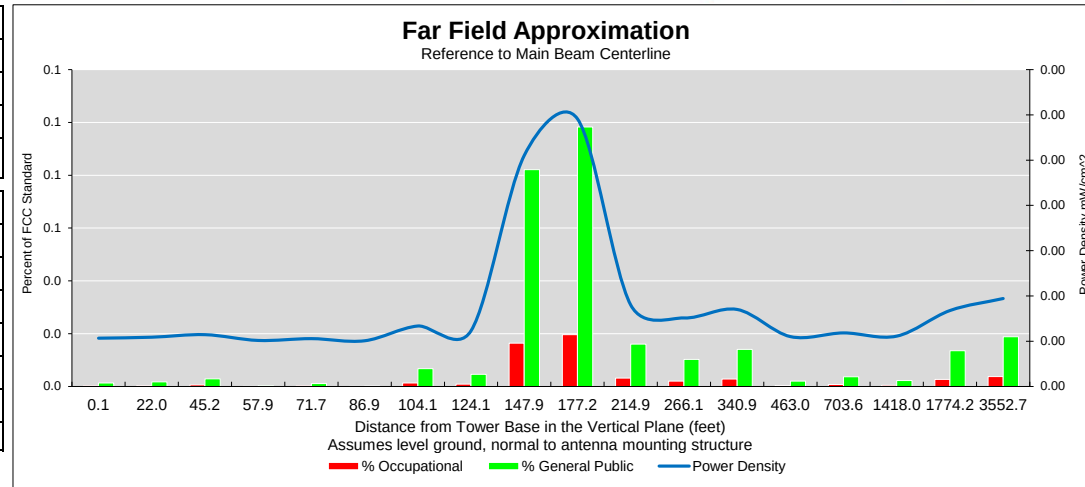
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	124.0	125.2	130.4	134.7	140.5	147.9	157.4	169.6	185.4	206.1	234.1	273.3	331.2	424.3	596.7	1018.0	1186.9	1778.5
Distance from Antenna Structure Base in Horizontal plane	0.1	17.5	40.4	52.7	66.0	80.6	97.0	115.7	137.8	164.7	198.6	243.5	307.1	405.8	583.7	1010.4	1180.4	1774.2
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	53.98	41.33	39.74	30.45	25.45	26.48	25.03	18.85	19.38	41.87	27.14	26.26	20.87	21.02	30.17	4.64	2.85	0.68
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.03	0.02
Percent of General Population Standard	0.00	0.00	0.00	0.02	0.06	0.04	0.05	0.19	0.14	0.00	0.02	0.01	0.03	0.02	0.00	0.14	0.16	0.12

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types



Location:	Ledyard North CT
Site #:	2-0903
Date:	06/04/21
Name:	Wesley Stevens
File Name:	Ledyard North CT - FF Power
Antenna Type:	SBNHH-1D45C
Operating Freq. (MHz):	2120
Antenna Height (ft):	127.0
Antenna Gain (dBi):	20.3
Downtilt (degrees):	0.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



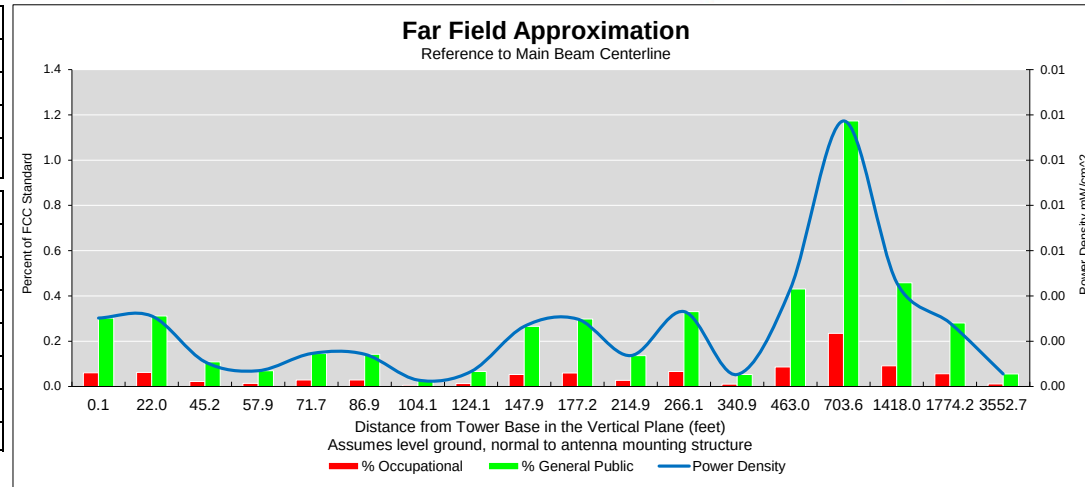
Calc Angle	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
Solve for r, dx to antenna	124.0	125.9	132.0	136.9	143.2	151.4	161.9	175.4	193.0	216.3	248.1	293.5	362.7	479.3	714.4	1423.5	1778.5	3554.9
Distance from Antenna Structure Base in Horizontal plane	0.1	22.0	45.2	57.9	71.7	86.9	104.1	124.1	147.9	177.2	214.9	266.1	340.9	463.0	703.6	1418.0	1774.2	3552.7
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	42.63	41.28	38.74	47.69	42.07	49.2	33.31	34.25	20.92	19.15	25.83	26.3	23.11	29.06	23.05	19.19	9.45	2
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of General Population Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.10	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.02

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types



Location:	Ledyard North CT
Site #:	2-0903
Date:	06/04/21
Name:	Wesley Stevens
File Name:	Ledyard North CT - FF Power
Antenna Type:	VZ-MT6407-77A
Operating Freq. (MHz):	3730
Antenna Height (ft):	127.0
Antenna Gain (dBi):	25.5
Downtilt (degrees):	0.0
Feedline Loss (dB):	0.0
Tx Power (W):	30.2
No. of Channels:	4



Calc Angle	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
Solve for r, dx to antenna	124.0	125.9	132.0	136.9	143.2	151.4	161.9	175.4	193.0	216.3	248.1	293.5	362.7	479.3	714.4	1423.5	1778.5	3554.9
Distance from Antenna Structure Base in Horizontal plane	0.1	22.0	45.2	57.9	71.7	86.9	104.1	124.1	147.9	177.2	214.9	266.1	340.9	463.0	703.6	1418.0	1774.2	3552.7
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	23.06	22.8	26.95	28.58	24.98	24.59	31	26.65	19.78	18.29	20.49	15.18	21.32	9.78	1.96	0.05	0.25	1.29
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm ²)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Percent of Occupational Standard	0.06	0.06	0.02	0.01	0.03	0.03	0.01	0.01	0.05	0.06	0.03	0.07	0.01	0.09	0.23	0.09	0.06	0.01
Percent of General Population Standard	0.30	0.31	0.11	0.07	0.15	0.14	0.03	0.07	0.27	0.30	0.14	0.33	0.05	0.43	1.17	0.46	0.28	0.06

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 150 ft Rohn Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT13076-A

Customer Site Name: Ledyard

Carrier Name: Verizon (App#: 150492, V1)

Carrier Site ID / Name: 468220 / LEDYARD_NORTH_CT

Site Location: 12 Orchard Drive

Ledyard, Connecticut

New London County

Latitude: 41.468277

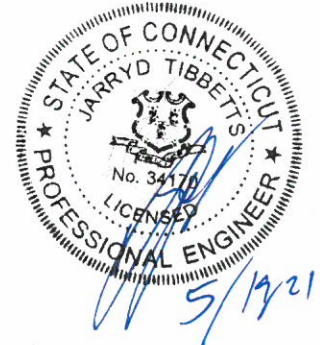
Longitude: -72.054472

Analysis Result:

Max Structural Usage: 65.8% [Pass]

Max Foundation Usage: 68.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A



Report Prepared By: Younus Alkarawi



Tower Engineering Solutions

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

Structural Analysis Report

Existing 150 ft Rohn Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT13076-A

Customer Site Name: Ledyard

Carrier Name: Verizon (App#: 150492, V1)

Carrier Site ID / Name: 468220 / LEDYARD_NORTH_CT

Site Location: 12 Orchard Drive

Ledyard, Connecticut

New London County

Latitude: 41.468277

Longitude: -72.054472

Analysis Result:

Max Structural Usage: 65.8% [Pass]

Max Foundation Usage: 68.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A

Report Prepared By: Younus Alkarawi

Introduction

The purpose of this report is to summarize the analysis results on the 150 ft Rohn 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	Radian Communication Services, File # 060-3664, Drawing # A070132, dated 03-15-2007
Foundation Drawing	Radian Communication Services, File # 060-3664, Drawing # A070146, dated 03-26-2007
Geotechnical Report	Gemini Geotechnical Associates, Inc. Geotechnical Report, dated 03-22-2007
Modification Drawings	N/A
Mount Analysis	N/A

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed $V_{ult} = 133.0$ mph (3-Sec. Gust)/ Nominal Design Wind Speed $V_{asd} = 103.0$ 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:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	$S_S = 0.165$, $S_1 = 0.059$

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	147.0	3	Ericsson Air 21 B2A/B4P	(1) Low Profile Platform (1) Kicker support (MS-KI22-5) (1) collar mount (MS-1436) (1) Support rail w/end connection (MS-HRCEP-35)	(9) 1 5/8" Coax (4) 1 5/8" Fiber	T-Mobile
2		3	Ericsson Air 21 B4A/B2P			
3		3	RFS APXVAARR24_43-U-NA20			
4		3	Ericsson KRY 112 144/1			
5		3	Ericsson Radio 4449 B71+B12			
5	137.0	6	Kathrein 742 351	(3) T-Arms	(12) 1 5/8"	Metro PCS*
-	127.0	6	SBNHH-1D45C - Panel	(1) Platform w/ Handrails	(2) 1 5/8" Hybrid	Verizon
-		3	LNK-6514DS-AIM - Panel			
-		3	ALU B13 RRH4X30-4R - RRH			
-		3	ALU RRH2X60-PCS - RRH			
-		3	ALU RRH2x90-AWS - RRH			
-		2	RFS DB-T1-6Z-8AB-0Z - ODU			

*Metro PCS is removed from 137' but Lease is still active.

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
7	127.0	6	Commscope SBNHH-1D45- Panel	Platform w/ Handrails	(2) 1 5/8" Hybrid (1) 1/2"	Verizon
8		3	Samsung 64T64R - Panel			
9		3	Samsung B2/B66A RRH-BR049			
10		3	Samsung B5/B13 RRH-BR04C			
11		2	RFS DB-T1-6Z-8AB-0Z-OVP			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	42.3%	54.9%	65.8%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Original Design Reactions	6054.1	55.4
Analysis Reactions	3376.2	32.8
Factored Reactions*	8173.0	74.8
% of Design Reactions	41.3%	43.9%

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design 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 0.5730 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

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

Usage Diagram - Max Ratio 42.32% at 0.0ft

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Gh: 1.1

Base Elev: 0.000 (ft)

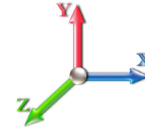
Page: 1



Dead Load Factor: 1.20

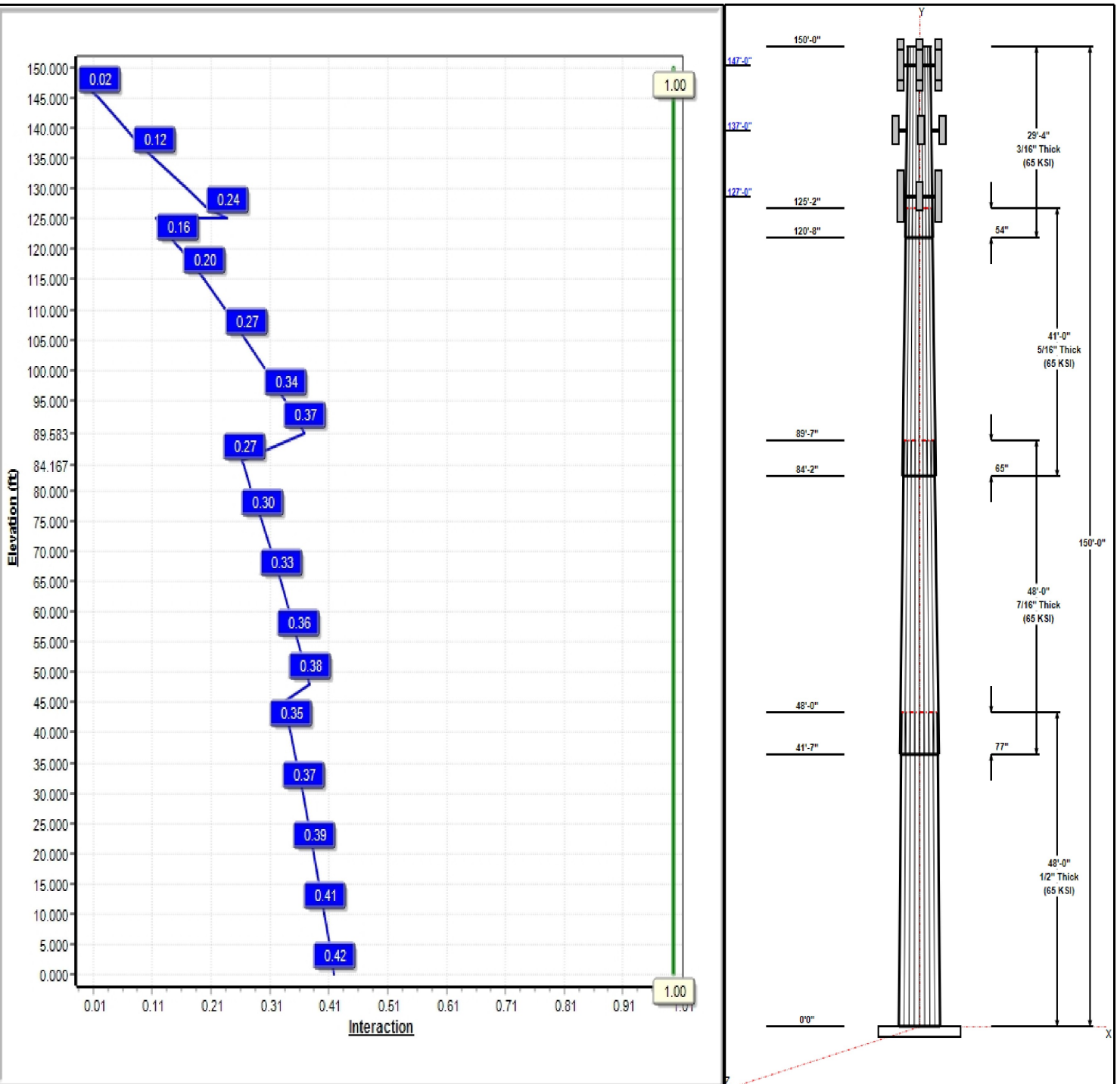
Wind Load Factor: 1.60

Load Case : 1.2D + 1.6W 103 mph Wind



Iterations: 21

Copyright © 2021 by Tower Engineering Solutions, LLC. All rights reserved.



Structure: CT13076-A-SBA

Type: Tapered
Site Name: Ledyard
Height: 150.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.21250

5/19/2021

Page: 2



Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.00	49.80	60.00	0.500		0.21250	65
2	48.00	41.84	52.04	0.438	Slip	0.21250	65
3	41.00	34.90	43.61	0.313	Slip	0.21250	65
4	29.33	30.00	36.23	0.188	Slip	0.21250	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
150.00	152.50	1	Lightning Rod	
147.00	147.00	3	APXVAARR24_43-U-NA20	T-Mobile
147.00	147.00	3	Radio 4449 B71+B12	T-Mobile
147.00	147.00	1	Kickers w/o Collar	T-Mobile
147.00	147.00	3	Ericsson AIR 21 B2A B4P	T-Mobile
147.00	147.00	3	Ericsson AIR 21 B4A B2P	T-Mobile
147.00	147.00	3	Ericsson KRY 112 144/1	T-Mobile
147.00	147.00	1	Platform w/ Hand Rail	T-Mobile
137.00	137.00	6	Kathrein 742 351	Metro PCS
137.00	137.00	3	T-Arms	Metro PCS
127.00	127.00	6	SBNHH-1D45C	Verizon
127.00	127.00	2	RFS DB-T1-6Z-8AB-0Z	Verizon
127.00	127.00	1	Platform w/ Handrails	Verizon
127.00	127.00	3	Samsung 64T64R	Verizon
127.00	127.00	3	Samsung B2/B66A	Verizon
127.00	127.00	3	Samsung B5/B13	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	150.00	Outside	Safety Cable	
0.00	150.00	Outside	Step bolts (ladder)	
0.00	147.00	Inside	1 5/8" Coax	T-Mobile
0.00	147.00	Inside	1 5/8" Fiber	T-Mobile
0.00	137.00	Inside	1 5/8" Coax	Metro PCS
0.00	137.00	Inside	3/8"	Metro PCS
0.00	127.00	Inside	1 5/8" Hybrid	Verizon
0.00	127.00	Inside	1/2" Coax	Verizon

Anchor Bolts

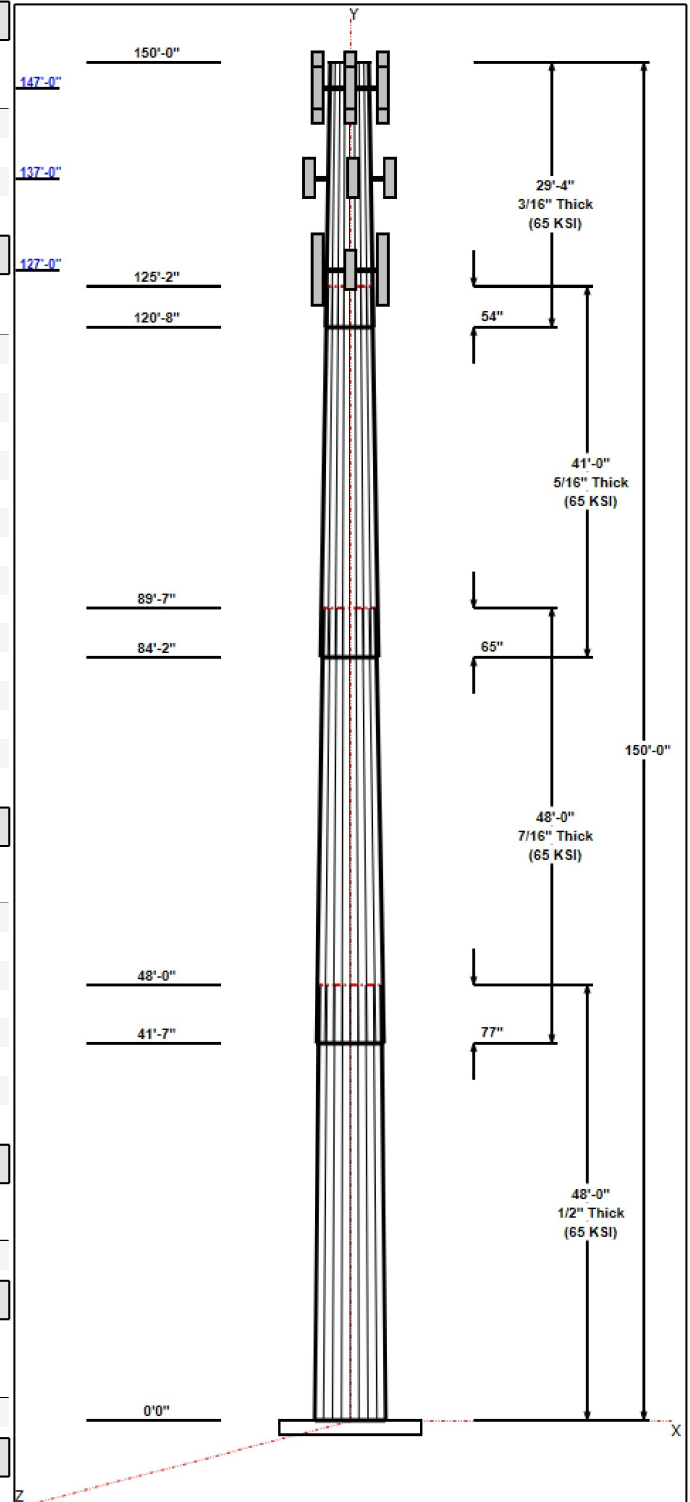
Qty	Specifications	Grade (ksi)	Arrangement
34	1.5" F1554 105	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.7500	69.5	50.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 103 mph Wind	3376.2	32.8	51.3
0.9D + 1.6W 103 mph Wind	3357.7	32.8	38.4
1.2D + 1.0Di + 1.0Wi 50 mph Wind	893.4	8.8	75.2
1.2D + 1.0E	178.4	1.6	51.3



Structure: CT13076-A-SBA

Type: Tapered
Site Name: Ledyard
Height: 150.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.21250

5/19/2021

Page: 3



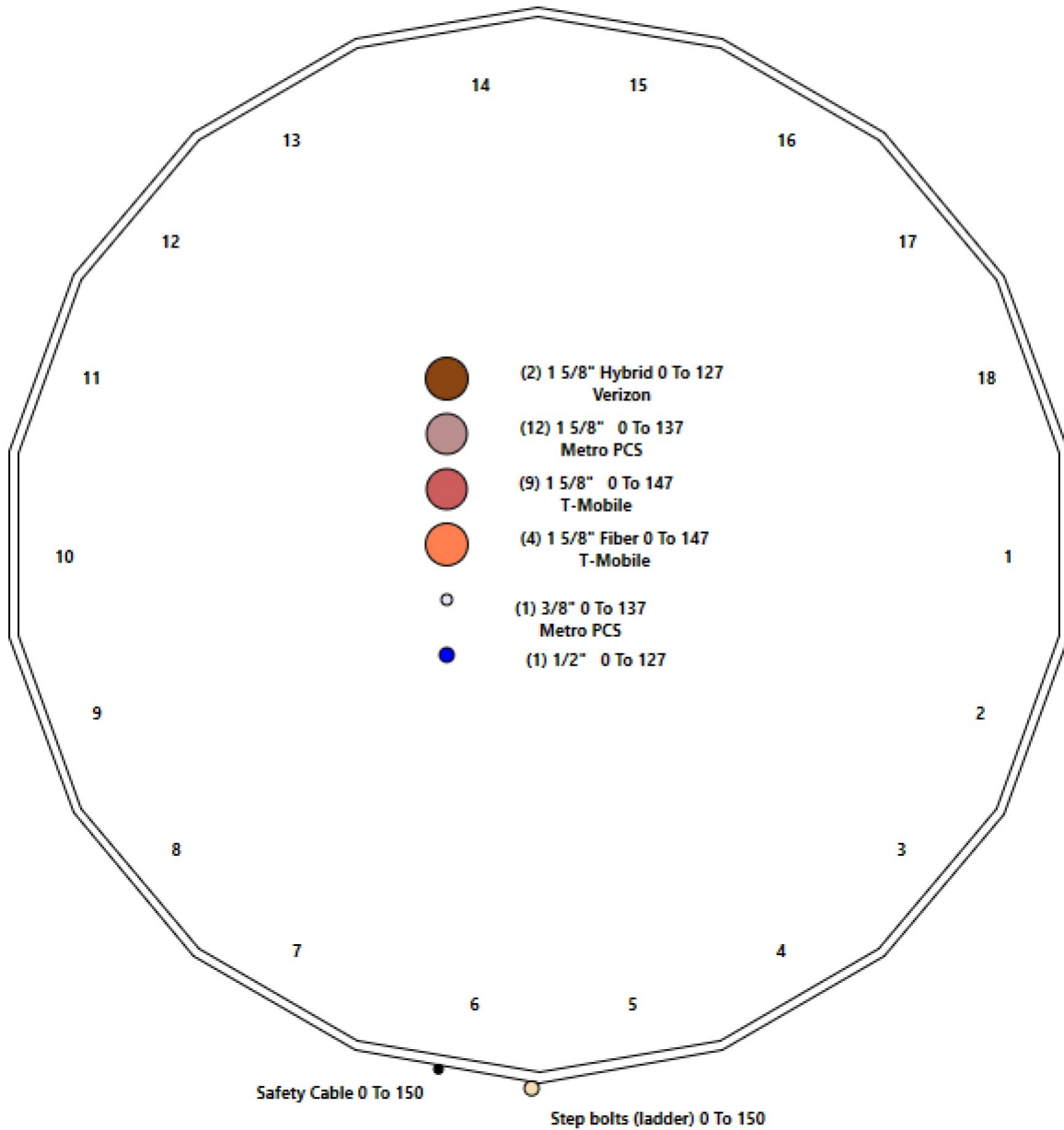
0.9D + 1.0E	177.4	1.6	38.5
1.0D + 1.0W 60 mph Wind	713.6	7.0	42.8

Structure: CT13076-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Ledyard
Height: 150.00 (ft)

5/19/2021

Page: 4



Shaft Properties

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (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

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.000	0.5000	65		0.00	14,101
2	18	48.000	0.4375	65	Slip	77.00	10,546
3	18	41.000	0.3125	65	Slip	65.00	5,389
4	18	29.333	0.1875	65	Slip	54.00	1,956
Total Shaft Weight:							31,992

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	60.00	0.00	94.42	42234.30	19.75	120.00	49.80	48.00	78.24	24024.5	16.15	99.60	0.212500
2	52.04	41.58	71.65	24104.48	19.56	118.95	41.84	89.58	57.49	12449.6	15.45	95.63	0.212500
3	43.61	84.17	42.95	10174.68	23.20	139.57	34.90	125.17	34.31	5185.97	18.28	111.6	0.212500
4	36.23	120.6	21.45	3521.36	32.66	193.24	30.00	150.00	17.74	1992.24	26.80	160.0	0.212500

Load Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021	
Site Name: Ledyard	Exposure: C		
Height: 150.00 (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



Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	150.00	Lightning Rod	1	35.00	1.05	1.00	66.41	3.424	1.00	0.00	2.50
2	147.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.50	544.98	22.136	0.70	0.00	0.00
3	147.00	Radio 4449 B71+B12	3	71.00	1.97	0.67	124.27	2.516	0.67	0.00	0.00
4	147.00	Kickers w/o Collar	1	146.00	5.33	1.00	349.43	10.900	1.00	0.00	0.00
5	147.00	Ericsson AIR 21 B2A B4P	3	91.50	6.09	0.86	259.98	7.185	0.87	0.00	0.00
6	147.00	Ericsson AIR 21 B4A B2P	3	90.40	6.09	0.86	258.88	7.185	0.87	0.00	0.00
7	147.00	Ericsson KRY 112 144/1 TMA	3	11.00	0.41	0.70	21.76	0.884	0.71	0.00	0.00
8	147.00	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	3695.61	59.867	1.00	0.00	0.00
9	137.00	Kathrein 742 351	6	29.80	5.38	0.61	124.24	7.349	0.62	0.00	0.00
10	137.00	T-Arms	3	242.00	8.19	0.75	446.08	18.359	1.00	0.00	0.00
11	127.00	SBNHH-1D45C	6	49.60	11.39	0.84	307.15	13.018	0.85	0.00	0.00
12	127.00	RFS DB-T1-6Z-8AB-0Z	2	18.90	4.80	0.71	159.84	5.658	0.72	0.00	0.00
13	127.00	Platform w/ Handrails	1	1600.00	32.00	1.00	3665.18	59.462	1.00	0.00	0.00
14	127.00	Samsung 64T64R	3	87.10	6.80	0.75	254.44	8.459	0.75	0.00	0.00
15	127.00	Samsung B2/B66A RRH-BR049	3	84.40	1.87	0.67	159.39	2.433	0.67	0.00	0.00
16	127.00	Samsung B5/B13 RRH-BR04C	3	70.30	1.87	0.67	138.23	2.433	0.67	0.00	0.00
Totals:			45	6,522.30			17,308.65				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	150.00	(1) Safety Cable	0.00	Outside
0.00	150.00	(1) Step bolts (ladder)	0.00	Outside
0.00	147.00	(9) 1 5/8" Coax	0.00	Inside
0.00	147.00	(4) 1 5/8" Fiber	0.00	Inside
0.00	137.00	(12) 1 5/8" Coax	0.00	Inside
0.00	137.00	(1) 3/8"	0.00	Inside
0.00	127.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	127.00	(1) 1/2" Coax	0.00	Inside

Shaft Section Properties

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 7



Increment Length: 5 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.5000	60.000	94.423	42234.3	19.75	120.00	78.2	1386.	0.0
5.00		0.5000	58.938	92.737	40011.9	19.37	117.88	78.6	1337.	1592.2
10.00		0.5000	57.875	91.051	37868.9	19.00	115.75	79.1	1288.	1563.5
15.00		0.5000	56.813	89.365	35803.8	18.62	113.63	79.5	1241.	1534.8
20.00		0.5000	55.750	87.679	33815.1	18.25	111.50	79.9	1194.	1506.1
25.00		0.5000	54.688	85.992	31901.5	17.88	109.38	80.4	1149.	1477.4
30.00		0.5000	53.625	84.306	30061.5	17.50	107.25	80.8	1104.	1448.7
35.00		0.5000	52.563	82.620	28293.7	17.13	105.13	81.3	1060.	1420.0
40.00		0.5000	51.500	80.934	26596.5	16.75	103.00	81.7	1017.	1391.3
41.58	Bot - Section 2	0.5000	51.164	80.400	26073.6	16.63	102.33	81.8	1003.	434.6
45.00		0.5000	50.438	79.248	24968.6	16.38	100.88	82.1	975.0	1755.2
48.00	Top - Section 1	0.4375	50.675	69.759	22243.7	19.01	115.83	0.0	0.0	1520.5
50.00		0.4375	50.250	69.168	21683.9	18.84	114.86	79.2	849.9	472.7
55.00		0.4375	49.188	67.693	20325.7	18.41	112.43	79.7	813.9	1164.3
60.00		0.4375	48.125	66.218	19025.5	17.99	110.00	80.2	778.7	1139.2
65.00		0.4375	47.063	64.742	17781.9	17.56	107.57	80.8	744.2	1114.1
70.00		0.4375	46.000	63.267	16593.8	17.13	105.14	81.3	710.5	1089.0
75.00		0.4375	44.938	61.792	15459.7	16.70	102.71	81.8	677.6	1063.9
80.00		0.4375	43.875	60.316	14378.6	16.27	100.29	82.3	645.5	1038.8
84.17	Bot - Section 3	0.4375	42.990	59.087	13517.1	15.92	98.26	82.5	619.3	846.5
85.00		0.4375	42.813	58.841	13349.1	15.84	97.86	82.5	614.1	288.7
89.58	Top - Section 2	0.3125	42.464	41.807	9384.7	22.55	135.88	0.0	0.0	1566.7
90.00		0.3125	42.375	41.719	9325.7	22.50	135.60	74.9	433.5	59.2
95.00		0.3125	41.313	40.665	8636.7	21.90	132.20	75.6	411.8	700.8
100.00		0.3125	40.250	39.612	7982.5	21.30	128.80	76.3	390.6	682.9
105.00		0.3125	39.188	38.558	7362.2	20.70	125.40	77.1	370.0	665.0
110.00		0.3125	38.125	37.504	6774.9	20.10	122.00	77.8	350.0	647.1
115.00		0.3125	37.063	36.450	6219.7	19.50	118.60	78.5	330.5	629.1
120.00		0.3125	36.000	35.396	5695.6	18.90	115.20	79.2	311.6	611.2
120.67	Bot - Section 4	0.3125	35.858	35.256	5628.1	18.82	114.75	79.3	309.1	80.1
125.00		0.3125	34.938	34.342	5201.9	18.30	111.80	79.9	293.3	825.4
125.17	Top - Section 3	0.1875	35.277	20.882	3248.5	31.76	188.14	0.0	0.0	31.3
127.00		0.1875	34.888	20.650	3141.5	31.40	186.07	64.5	177.4	129.5
130.00		0.1875	34.250	20.271	2971.5	30.80	182.67	65.2	170.9	208.9
135.00		0.1875	33.188	19.638	2702.0	29.80	177.00	66.4	160.4	339.5
137.00		0.1875	32.763	19.385	2599.0	29.40	174.73	66.8	156.2	132.8
140.00		0.1875	32.125	19.006	2449.3	28.80	171.33	67.5	150.2	196.0
145.00		0.1875	31.063	18.374	2212.9	27.80	165.67	68.7	140.3	318.0
147.00		0.1875	30.638	18.121	2122.8	27.40	163.40	69.2	136.5	124.2
150.00		0.1875	30.000	17.742	1992.2	26.80	160.00	69.9	130.8	183.0

31992.1

Wind Loading - Shaft

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 8

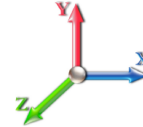


Load Case: 1.2D + 1.6W 103 mph Wind

Iterations 21

Dead Load Factor 1.20

Wind Load Factor 1.60



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.931	24.12	482.13	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.931	24.12	473.59	0.650	0.000	5.00	25.161	16.35	631.3	0.0	1910.6
10.00		1.00	0.85	21.931	24.12	465.06	0.650	0.000	5.00	24.711	16.06	620.0	0.0	1876.2
15.00		1.00	0.85	21.931	24.12	456.52	0.650	0.000	5.00	24.262	15.77	608.7	0.0	1841.7
20.00		1.00	0.90	23.270	25.60	461.45	0.650	0.000	5.00	23.812	15.48	633.9	0.0	1807.3
25.00		1.00	0.95	24.389	26.83	463.41	0.650	0.000	5.00	23.363	15.19	651.8	0.0	1772.9
30.00		1.00	0.98	25.343	27.88	463.22	0.650	0.000	5.00	22.913	14.89	664.3	0.0	1738.5
35.00		1.00	1.01	26.179	28.80	461.47	0.650	0.000	5.00	22.464	14.60	672.8	0.0	1704.0
40.00		1.00	1.04	26.926	29.62	458.54	0.650	0.000	5.00	22.014	14.31	678.1	0.0	1669.6
41.58 Bot - Section 2		1.00	1.05	27.146	29.86	457.41	0.650	0.000	1.58	6.877	4.47	213.6	0.0	521.5
45.00		1.00	1.07	27.602	30.36	454.68	0.650	0.000	3.42	14.940	9.71	471.8	0.0	2106.3
48.00 Top - Section 1		1.00	1.08	27.979	30.78	451.99	0.650	0.000	3.00	12.945	8.41	414.3	0.0	1824.6
50.00		1.00	1.09	28.221	31.04	458.04	0.650	0.000	2.00	8.540	5.55	275.7	0.0	567.3
55.00		1.00	1.12	28.793	31.67	452.88	0.650	0.000	5.00	21.036	13.67	692.9	0.0	1397.1
60.00		1.00	1.14	29.325	32.26	447.17	0.650	0.000	5.00	20.586	13.38	690.6	0.0	1367.0
65.00		1.00	1.16	29.823	32.81	441.00	0.650	0.000	5.00	20.137	13.09	687.0	0.0	1336.9
70.00		1.00	1.17	30.292	33.32	434.42	0.650	0.000	5.00	19.687	12.80	682.2	0.0	1306.8
75.00		1.00	1.19	30.735	33.81	427.48	0.650	0.000	5.00	19.238	12.50	676.4	0.0	1276.6
80.00		1.00	1.21	31.156	34.27	420.22	0.650	0.000	5.00	18.788	12.21	669.6	0.0	1246.5
84.17 Bot - Section 3		1.00	1.22	31.491	34.64	413.94	0.650	0.000	4.17	15.313	9.95	551.7	0.0	1015.8
85.00		1.00	1.22	31.556	34.71	412.66	0.650	0.000	0.83	3.069	2.00	110.8	0.0	346.5
89.58 Top - Section 2		1.00	1.24	31.907	35.10	405.51	0.650	0.000	4.58	16.658	10.83	608.0	0.0	1880.0
90.00		1.00	1.24	31.938	35.13	410.91	0.650	0.000	0.42	1.496	0.97	54.6	0.0	71.1
95.00		1.00	1.25	32.304	35.53	402.90	0.650	0.000	5.00	17.704	11.51	654.3	0.0	841.0
100.00		1.00	1.27	32.654	35.92	394.66	0.650	0.000	5.00	17.254	11.22	644.6	0.0	819.5
105.00		1.00	1.28	32.991	36.29	386.22	0.650	0.000	5.00	16.805	10.92	634.3	0.0	798.0
110.00		1.00	1.29	33.316	36.65	377.59	0.650	0.000	5.00	16.355	10.63	623.4	0.0	776.5
115.00		1.00	1.30	33.629	36.99	368.79	0.650	0.000	5.00	15.906	10.34	611.9	0.0	754.9
120.00		1.00	1.32	33.932	37.33	359.83	0.650	0.000	5.00	15.456	10.05	600.0	0.0	733.4
120.67 Bot - Section 4		1.00	1.32	33.972	37.37	358.62	0.650	0.000	0.67	2.027	1.32	78.8	0.0	96.2
125.00		1.00	1.33	34.225	37.65	350.71	0.650	0.000	4.33	13.117	8.53	513.6	0.0	990.5
125.17 Top - Section 3		1.00	1.33	34.235	37.66	350.40	0.650	0.000	0.17	0.498	0.32	19.5	0.0	37.6
127.00 Appurtenance(s)		1.00	1.33	34.340	37.77	350.79	0.650	0.000	1.83	5.442	3.54	213.8	0.0	155.5
130.00		1.00	1.34	34.509	37.96	345.23	0.650	0.000	3.00	8.776	5.70	346.4	0.0	250.6
135.00		1.00	1.35	34.784	38.26	335.85	0.650	0.000	5.00	14.266	9.27	567.7	0.0	407.4
137.00 Appurtenance(s)		1.00	1.35	34.892	38.38	332.07	0.650	0.000	2.00	5.581	3.63	222.8	0.0	159.3
140.00		1.00	1.36	35.051	38.56	326.35	0.650	0.000	3.00	8.236	5.35	330.3	0.0	235.1
145.00		1.00	1.37	35.311	38.84	316.72	0.650	0.000	5.00	13.367	8.69	540.0	0.0	381.6
147.00 Appurtenance(s)		1.00	1.37	35.413	38.95	312.84	0.650	0.000	2.00	5.221	3.39	211.5	0.0	149.0
150.00 Appurtenance(s)		1.00	1.38	35.564	39.12	306.98	0.650	0.000	3.00	7.697	5.00	313.1	0.0	219.7
Totals:									150.00			19,086.0		38,390.5

Discrete Appurtenance Forces

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

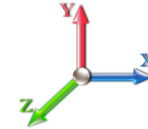


Page: 9

Load Case: 1.2D + 1.6W 103 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	150.00	Lightning Rod	1	35.688	39.257	1.00	1.00	1.05	42.00	0.000	2.500	65.95	0.00	164.88
2	147.00	APXVAARR24_43-U-NA2	3	35.413	38.955	0.40	0.80	24.29	460.80	0.000	0.000	1513.81	0.00	0.00
3	147.00	Platform w/ Hand Rail	1	35.413	38.955	1.00	1.00	32.00	1920.00	0.000	0.000	1994.47	0.00	0.00
4	147.00	Ericsson KRY 112 144/1	3	35.413	38.955	0.56	0.80	0.69	39.60	0.000	0.000	42.93	0.00	0.00
5	147.00	Ericsson AIR 21 B4A B2P	3	35.413	38.955	0.69	0.80	12.57	325.44	0.000	0.000	783.44	0.00	0.00
6	147.00	Ericsson AIR 21 B2A B4P	3	35.413	38.955	0.69	0.80	12.57	329.40	0.000	0.000	783.44	0.00	0.00
7	147.00	Kickers w/o Collar	1	35.413	38.955	1.00	1.00	5.33	175.20	0.000	0.000	332.20	0.00	0.00
8	147.00	Radio 4449 B71+B12	3	35.413	38.955	0.54	0.80	3.17	255.60	0.000	0.000	197.44	0.00	0.00
9	137.00	T-Arms	3	34.892	38.381	0.56	0.75	13.82	871.20	0.000	0.000	848.72	0.00	0.00
10	137.00	Kathrein 742 351	6	34.892	38.381	0.49	0.80	15.75	214.56	0.000	0.000	967.36	0.00	0.00
11	127.00	Samsung B5/B13	3	34.340	37.773	0.54	0.80	3.01	253.08	0.000	0.000	181.73	0.00	0.00
12	127.00	Samsung B2/B66A	3	34.340	37.773	0.54	0.80	3.01	303.84	0.000	0.000	181.73	0.00	0.00
13	127.00	Samsung 64T64R	3	34.340	37.773	0.60	0.80	12.24	313.56	0.000	0.000	739.76	0.00	0.00
14	127.00	Platform w/ Handrails	1	34.340	37.773	1.00	1.00	32.00	1920.00	0.000	0.000	1934.00	0.00	0.00
15	127.00	RFS DB-T1-6Z-8AB-OZ	2	34.340	37.773	0.57	0.80	5.45	45.36	0.000	0.000	329.55	0.00	0.00
16	127.00	SBNHH-1D45C	6	34.340	37.773	0.67	0.80	45.92	357.12	0.000	0.000	2775.56	0.00	0.00
Totals:									7,826.76			13,672.11		

Total Applied Force Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



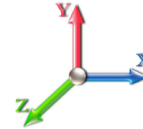
Page: 10

Load Case: 1.2D + 1.6W 103 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

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		631.26	2090.55	0.00	0.00
10.00		619.98	2056.13	0.00	0.00
15.00		608.70	2021.70	0.00	0.00
20.00		633.89	1987.28	0.00	0.00
25.00		651.84	1952.85	0.00	0.00
30.00		664.31	1918.42	0.00	0.00
35.00		672.76	1884.00	0.00	0.00
40.00		678.10	1849.57	0.00	0.00
41.58		213.58	578.52	0.00	0.00
45.00		471.75	2229.24	0.00	0.00
48.00		414.35	1932.53	0.00	0.00
50.00		275.71	639.27	0.00	0.00
55.00		692.89	1577.09	0.00	0.00
60.00		690.62	1546.96	0.00	0.00
65.00		687.02	1516.84	0.00	0.00
70.00		682.24	1486.72	0.00	0.00
75.00		676.42	1456.60	0.00	0.00
80.00		669.65	1426.48	0.00	0.00
84.17		551.67	1165.72	0.00	0.00
85.00		110.80	376.48	0.00	0.00
89.58		608.03	2045.00	0.00	0.00
90.00		54.65	86.05	0.00	0.00
95.00		654.25	1020.97	0.00	0.00
100.00		644.56	999.45	0.00	0.00
105.00		634.25	977.94	0.00	0.00
110.00		623.36	956.42	0.00	0.00
115.00		611.93	934.91	0.00	0.00
120.00		599.98	913.39	0.00	0.00
120.67		78.77	120.16	0.00	0.00
125.00		513.59	1146.43	0.00	0.00
125.17		19.49	43.58	0.00	0.00
127.00	(18) attachments	6356.15	3414.40	0.00	0.00
130.00		346.44	350.12	0.00	0.00
135.00		567.69	573.20	0.00	0.00
137.00	(9) attachments	2038.84	1311.43	0.00	0.00
140.00		330.26	289.41	0.00	0.00
145.00		539.98	472.02	0.00	0.00
147.00	(17) attachments	5859.25	3691.24	0.00	0.00
150.00	(1) attachments	379.09	266.38	0.00	164.88
Totals:		32,758.11	51,305.44	0.00	164.88

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (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

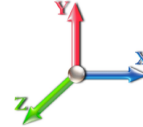


Load Case: 1.2D + 1.6W 103 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 21



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	6.24
20.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	23.270	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	23.270	0.00	6.24
25.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	24.389	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	24.389	0.00	6.24
30.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	25.343	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	25.343	0.00	6.24
35.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.179	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.179	0.00	6.24
40.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.926	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.926	0.00	6.24
41.58	Safety Cable	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	27.146	0.00	0.52
41.58	Step bolts (ladder)	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	27.146	0.00	1.98
45.00	Safety Cable	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	27.602	0.00	1.12
45.00	Step bolts (ladder)	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	27.602	0.00	4.26
48.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	27.979	0.00	0.98
48.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	27.979	0.00	3.74
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	28.221	0.00	0.66
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	28.221	0.00	2.50
55.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	28.793	0.00	1.64
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	28.793	0.00	6.24
60.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.325	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.325	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.823	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.823	0.00	6.24
70.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.292	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.292	0.00	6.24
75.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.735	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.735	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	31.156	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	31.156	0.00	6.24
84.17	Safety Cable	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	31.491	0.00	1.37
84.17	Step bolts (ladder)	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	31.491	0.00	5.20
85.00	Safety Cable	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	31.556	0.00	0.27
85.00	Step bolts (ladder)	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	31.556	0.00	1.04
89.58	Safety Cable	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	31.907	0.00	1.50
89.58	Step bolts (ladder)	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	31.907	0.00	5.72
90.00	Safety Cable	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	31.938	0.00	0.14
90.00	Step bolts (ladder)	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	31.938	0.00	0.52
95.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.304	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.304	0.00	6.24
100.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.654	0.00	1.64

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

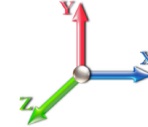


Page: 12

Load Case: 1.2D + 1.6W 103 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.654	0.00	6.24
105.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.991	0.00	1.64
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.991	0.00	6.24
110.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.316	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.316	0.00	6.24
115.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.629	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.629	0.00	6.24
120.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.932	0.00	1.64
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.932	0.00	6.24
120.67	Safety Cable	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	33.972	0.00	0.22
120.67	Step bolts (ladder)	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	33.972	0.00	0.83
125.00	Safety Cable	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	34.225	0.00	1.42
125.00	Step bolts (ladder)	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	34.225	0.00	5.41
125.17	Safety Cable	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	34.235	0.00	0.05
125.17	Step bolts (ladder)	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	34.235	0.00	0.21
127.00	Safety Cable	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	34.340	0.00	0.60
127.00	Step bolts (ladder)	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	34.340	0.00	2.29
130.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	34.509	0.00	0.98
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	34.509	0.00	3.74
135.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	34.784	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	34.784	0.00	6.24
137.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.892	0.00	0.66
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.892	0.00	2.50
140.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.051	0.00	0.98
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.051	0.00	3.74
145.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	35.311	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	35.311	0.00	6.24
147.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.413	0.00	0.66
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.413	0.00	2.50
150.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.564	0.00	0.98
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.564	0.00	3.74
Totals:											0.0	236.3

Calculated Forces

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (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

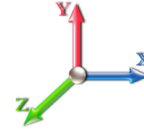


Load Case: 1.2D + 1.6W 103 mph Wind

Iterations 21

Dead Load Factor 1.20

Wind Load Factor 1.60



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-51.27	-32.81	0.00	-3376.2	0.00	3376.23	6643.18	3321.59	16232.9	8128.53	0.00	0.000	0.000	0.423
5.00	-49.12	-32.27	0.00	-3212.1	0.00	3212.19	6561.33	3280.67	15744.2	7883.82	0.06	-0.111	0.000	0.415
10.00	-47.00	-31.74	0.00	-3050.8	0.00	3050.84	6478.15	3239.07	15259.6	7641.15	0.24	-0.222	0.000	0.407
15.00	-44.92	-31.21	0.00	-2892.1	0.00	2892.16	6393.63	3196.81	14779.2	7400.59	0.53	-0.334	0.000	0.398
20.00	-42.88	-30.64	0.00	-2736.1	0.00	2736.14	6307.77	3153.88	14303.2	7162.24	0.94	-0.446	0.000	0.389
25.00	-40.88	-30.05	0.00	-2582.9	0.00	2582.93	6220.57	3110.29	13831.8	6926.18	1.47	-0.558	0.000	0.380
30.00	-38.91	-29.44	0.00	-2432.6	0.00	2432.67	6132.04	3066.02	13365.1	6692.51	2.11	-0.669	0.000	0.370
35.00	-36.98	-28.82	0.00	-2285.4	0.00	2285.46	6042.17	3021.08	12903.4	6461.30	2.87	-0.781	0.000	0.360
40.00	-35.10	-28.16	0.00	-2141.3	0.00	2141.37	5950.96	2975.48	12446.8	6232.66	3.75	-0.892	0.000	0.350
41.58	-34.50	-27.97	0.00	-2096.7	0.00	2096.78	5921.80	2960.90	12303.3	6160.80	4.05	-0.928	0.000	0.346
45.00	-32.24	-27.50	0.00	-2001.2	0.00	2001.22	5858.41	2929.21	11995.4	6006.66	4.75	-1.005	0.000	0.339
48.00	-30.29	-27.08	0.00	-1918.7	0.00	1918.72	4962.21	2481.10	10234.7	5124.96	5.40	-1.072	0.000	0.381
50.00	-29.62	-26.84	0.00	-1864.5	0.00	1864.56	4932.77	2466.38	10087.1	5051.08	5.86	-1.116	0.000	0.375
55.00	-28.00	-26.17	0.00	-1730.3	0.00	1730.38	4858.24	2429.12	9721.01	4867.73	7.09	-1.234	0.000	0.361
60.00	-26.42	-25.50	0.00	-1599.5	0.00	1599.55	4782.37	2391.18	9358.79	4686.35	8.45	-1.351	0.000	0.347
65.00	-24.87	-24.82	0.00	-1472.0	0.00	1472.07	4705.16	2352.58	9000.68	4507.03	9.92	-1.466	0.000	0.332
70.00	-23.36	-24.15	0.00	-1347.9	0.00	1347.97	4626.62	2313.31	8646.87	4329.86	11.52	-1.578	0.000	0.316
75.00	-21.88	-23.47	0.00	-1227.2	0.00	1227.24	4546.74	2273.37	8297.53	4154.93	13.23	-1.689	0.000	0.300
80.00	-20.43	-22.79	0.00	-1109.9	0.00	1109.90	4465.52	2232.76	7952.84	3982.33	15.06	-1.796	0.000	0.283
84.17	-19.27	-22.22	0.00	-1014.9	0.00	1014.94	4389.85	2194.93	7657.14	3834.26	16.67	-1.884	0.000	0.269
85.00	-18.87	-22.11	0.00	-996.42	0.00	996.42	4371.58	2185.79	7593.21	3802.25	17.00	-1.902	0.000	0.266
89.58	-16.83	-21.45	0.00	-895.06	0.00	895.06	2817.41	1408.71	4881.90	2444.58	18.87	-1.994	0.000	0.372
90.00	-16.72	-21.41	0.00	-886.12	0.00	886.12	2813.70	1406.85	4865.15	2436.19	19.04	-2.002	0.000	0.370
95.00	-15.68	-20.76	0.00	-779.05	0.00	779.05	2768.43	1384.22	4665.07	2336.00	21.21	-2.129	0.000	0.339
100.00	-14.66	-20.11	0.00	-675.26	0.00	675.26	2721.83	1360.91	4466.78	2236.71	23.51	-2.249	0.000	0.308
105.00	-13.68	-19.46	0.00	-574.74	0.00	574.74	2673.89	1336.94	4270.46	2138.40	25.92	-2.361	0.000	0.274
110.00	-12.71	-18.82	0.00	-477.45	0.00	477.45	2624.60	1312.30	4076.27	2041.17	28.45	-2.462	0.000	0.239
115.00	-11.78	-18.18	0.00	-383.37	0.00	383.37	2573.99	1286.99	3884.41	1945.09	31.08	-2.553	0.000	0.202
120.00	-10.88	-17.55	0.00	-292.47	0.00	292.47	2522.03	1261.02	3695.03	1850.26	33.80	-2.630	0.000	0.163
120.67	-10.76	-17.47	0.00	-280.77	0.00	280.77	2515.00	1257.50	3669.98	1837.72	34.17	-2.639	0.000	0.157
125.00	-9.63	-16.91	0.00	-205.06	0.00	205.06	2468.74	1234.37	3508.34	1756.78	36.59	-2.693	0.000	0.121
125.17	-9.58	-16.89	0.00	-202.25	0.00	202.25	1203.56	601.78	1739.68	871.13	36.68	-2.695	0.000	0.241
127.00	-6.47	-10.38	0.00	-171.28	0.00	171.28	1198.21	599.10	1712.61	857.58	37.72	-2.713	0.000	0.205
130.00	-6.12	-10.02	0.00	-140.14	0.00	140.14	1189.06	594.53	1668.14	835.31	39.44	-2.756	0.000	0.173
135.00	-5.57	-9.43	0.00	-90.02	0.00	90.02	1172.74	586.37	1593.65	798.01	42.36	-2.811	0.000	0.118
137.00	-4.36	-7.33	0.00	-71.15	0.00	71.15	1165.84	582.92	1563.75	783.04	43.54	-2.828	0.000	0.095
140.00	-4.09	-6.99	0.00	-49.15	0.00	49.15	1155.08	577.54	1518.83	760.54	45.32	-2.847	0.000	0.068
145.00	-3.64	-6.43	0.00	-14.20	0.00	14.20	1136.09	568.04	1443.87	723.01	48.31	-2.866	0.000	0.023
147.00	-0.25	-0.39	0.00	-1.34	0.00	1.34	1128.12	564.06	1413.88	707.99	49.52	-2.868	0.000	0.002
150.00	0.00	-0.38	0.00	-0.16	0.00	0.16	1115.76	557.88	1368.94	685.49	51.32	-2.868	0.000	0.000

Wind Loading - Shaft

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (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

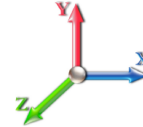


Load Case: 0.9D + 1.6W 103 mph Wind

Iterations 21

Dead Load Factor 0.90

Wind Load Factor 1.60



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.931	24.12	482.13	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.931	24.12	473.59	0.650	0.000	5.00	25.161	16.35	631.3	0.0	1432.9
10.00		1.00	0.85	21.931	24.12	465.06	0.650	0.000	5.00	24.711	16.06	620.0	0.0	1407.1
15.00		1.00	0.85	21.931	24.12	456.52	0.650	0.000	5.00	24.262	15.77	608.7	0.0	1381.3
20.00		1.00	0.90	23.270	25.60	461.45	0.650	0.000	5.00	23.812	15.48	633.9	0.0	1355.5
25.00		1.00	0.95	24.389	26.83	463.41	0.650	0.000	5.00	23.363	15.19	651.8	0.0	1329.7
30.00		1.00	0.98	25.343	27.88	463.22	0.650	0.000	5.00	22.913	14.89	664.3	0.0	1303.9
35.00		1.00	1.01	26.179	28.80	461.47	0.650	0.000	5.00	22.464	14.60	672.8	0.0	1278.0
40.00		1.00	1.04	26.926	29.62	458.54	0.650	0.000	5.00	22.014	14.31	678.1	0.0	1252.2
41.58 Bot - Section 2		1.00	1.05	27.146	29.86	457.41	0.650	0.000	1.58	6.877	4.47	213.6	0.0	391.2
45.00		1.00	1.07	27.602	30.36	454.68	0.650	0.000	3.42	14.940	9.71	471.8	0.0	1579.7
48.00 Top - Section 1		1.00	1.08	27.979	30.78	451.99	0.650	0.000	3.00	12.945	8.41	414.3	0.0	1368.4
50.00		1.00	1.09	28.221	31.04	458.04	0.650	0.000	2.00	8.540	5.55	275.7	0.0	425.5
55.00		1.00	1.12	28.793	31.67	452.88	0.650	0.000	5.00	21.036	13.67	692.9	0.0	1047.8
60.00		1.00	1.14	29.325	32.26	447.17	0.650	0.000	5.00	20.586	13.38	690.6	0.0	1025.3
65.00		1.00	1.16	29.823	32.81	441.00	0.650	0.000	5.00	20.137	13.09	687.0	0.0	1002.7
70.00		1.00	1.17	30.292	33.32	434.42	0.650	0.000	5.00	19.687	12.80	682.2	0.0	980.1
75.00		1.00	1.19	30.735	33.81	427.48	0.650	0.000	5.00	19.238	12.50	676.4	0.0	957.5
80.00		1.00	1.21	31.156	34.27	420.22	0.650	0.000	5.00	18.788	12.21	669.6	0.0	934.9
84.17 Bot - Section 3		1.00	1.22	31.491	34.64	413.94	0.650	0.000	4.17	15.313	9.95	551.7	0.0	761.8
85.00		1.00	1.22	31.556	34.71	412.66	0.650	0.000	0.83	3.069	2.00	110.8	0.0	259.9
89.58 Top - Section 2		1.00	1.24	31.907	35.10	405.51	0.650	0.000	4.58	16.658	10.83	608.0	0.0	1410.0
90.00		1.00	1.24	31.938	35.13	410.91	0.650	0.000	0.42	1.496	0.97	54.6	0.0	53.3
95.00		1.00	1.25	32.304	35.53	402.90	0.650	0.000	5.00	17.704	11.51	654.3	0.0	630.8
100.00		1.00	1.27	32.654	35.92	394.66	0.650	0.000	5.00	17.254	11.22	644.6	0.0	614.6
105.00		1.00	1.28	32.991	36.29	386.22	0.650	0.000	5.00	16.805	10.92	634.3	0.0	598.5
110.00		1.00	1.29	33.316	36.65	377.59	0.650	0.000	5.00	16.355	10.63	623.4	0.0	582.3
115.00		1.00	1.30	33.629	36.99	368.79	0.650	0.000	5.00	15.906	10.34	611.9	0.0	566.2
120.00		1.00	1.32	33.932	37.33	359.83	0.650	0.000	5.00	15.456	10.05	600.0	0.0	550.1
120.67 Bot - Section 4		1.00	1.32	33.972	37.37	358.62	0.650	0.000	0.67	2.027	1.32	78.8	0.0	72.1
125.00		1.00	1.33	34.225	37.65	350.71	0.650	0.000	4.33	13.117	8.53	513.6	0.0	742.8
125.17 Top - Section 3		1.00	1.33	34.235	37.66	350.40	0.650	0.000	0.17	0.498	0.32	19.5	0.0	28.2
127.00 Appurtenance(s)		1.00	1.33	34.340	37.77	350.79	0.650	0.000	1.83	5.442	3.54	213.8	0.0	116.6
130.00		1.00	1.34	34.509	37.96	345.23	0.650	0.000	3.00	8.776	5.70	346.4	0.0	188.0
135.00		1.00	1.35	34.784	38.26	335.85	0.650	0.000	5.00	14.266	9.27	567.7	0.0	305.6
137.00 Appurtenance(s)		1.00	1.35	34.892	38.38	332.07	0.650	0.000	2.00	5.581	3.63	222.8	0.0	119.5
140.00		1.00	1.36	35.051	38.56	326.35	0.650	0.000	3.00	8.236	5.35	330.3	0.0	176.4
145.00		1.00	1.37	35.311	38.84	316.72	0.650	0.000	5.00	13.367	8.69	540.0	0.0	286.2
147.00 Appurtenance(s)		1.00	1.37	35.413	38.95	312.84	0.650	0.000	2.00	5.221	3.39	211.5	0.0	111.8
150.00 Appurtenance(s)		1.00	1.38	35.564	39.12	306.98	0.650	0.000	3.00	7.697	5.00	313.1	0.0	164.7
Totals:									150.00			19,086.0		28,792.9

Discrete Appurtenance Forces

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

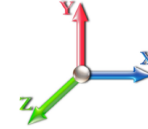


Page: 15

Load Case: 0.9D + 1.6W 103 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	150.00	Lightning Rod	1	35.688	39.257	1.00	1.00	1.05	31.50	0.000	2.500	65.95	0.00	164.88
2	147.00	APXVAARR24_43-U-NA2	3	35.413	38.955	0.40	0.80	24.29	345.60	0.000	0.000	1513.81	0.00	0.00
3	147.00	Platform w/ Hand Rail	1	35.413	38.955	1.00	1.00	32.00	1440.00	0.000	0.000	1994.47	0.00	0.00
4	147.00	Ericsson KRY 112 144/1	3	35.413	38.955	0.56	0.80	0.69	29.70	0.000	0.000	42.93	0.00	0.00
5	147.00	Ericsson AIR 21 B4A B2P	3	35.413	38.955	0.69	0.80	12.57	244.08	0.000	0.000	783.44	0.00	0.00
6	147.00	Ericsson AIR 21 B2A B4P	3	35.413	38.955	0.69	0.80	12.57	247.05	0.000	0.000	783.44	0.00	0.00
7	147.00	Kickers w/o Collar	1	35.413	38.955	1.00	1.00	5.33	131.40	0.000	0.000	332.20	0.00	0.00
8	147.00	Radio 4449 B71+B12	3	35.413	38.955	0.54	0.80	3.17	191.70	0.000	0.000	197.44	0.00	0.00
9	137.00	T-Arms	3	34.892	38.381	0.56	0.75	13.82	653.40	0.000	0.000	848.72	0.00	0.00
10	137.00	Kathrein 742 351	6	34.892	38.381	0.49	0.80	15.75	160.92	0.000	0.000	967.36	0.00	0.00
11	127.00	Samsung B5/B13	3	34.340	37.773	0.54	0.80	3.01	189.81	0.000	0.000	181.73	0.00	0.00
12	127.00	Samsung B2/B66A	3	34.340	37.773	0.54	0.80	3.01	227.88	0.000	0.000	181.73	0.00	0.00
13	127.00	Samsung 64T64R	3	34.340	37.773	0.60	0.80	12.24	235.17	0.000	0.000	739.76	0.00	0.00
14	127.00	Platform w/ Handrails	1	34.340	37.773	1.00	1.00	32.00	1440.00	0.000	0.000	1934.00	0.00	0.00
15	127.00	RFS DB-T1-6Z-8AB-OZ	2	34.340	37.773	0.57	0.80	5.45	34.02	0.000	0.000	329.55	0.00	0.00
16	127.00	SBNHH-1D45C	6	34.340	37.773	0.67	0.80	45.92	267.84	0.000	0.000	2775.56	0.00	0.00
Totals:									5,870.07			13,672.11		

Total Applied Force Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

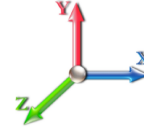


Page: 16

Load Case: 0.9D + 1.6W 103 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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		631.26	1567.91	0.00	0.00
10.00		619.98	1542.09	0.00	0.00
15.00		608.70	1516.28	0.00	0.00
20.00		633.89	1490.46	0.00	0.00
25.00		651.84	1464.64	0.00	0.00
30.00		664.31	1438.82	0.00	0.00
35.00		672.76	1413.00	0.00	0.00
40.00		678.10	1387.18	0.00	0.00
41.58		213.58	433.89	0.00	0.00
45.00		471.75	1671.93	0.00	0.00
48.00		414.35	1449.40	0.00	0.00
50.00		275.71	479.45	0.00	0.00
55.00		692.89	1182.81	0.00	0.00
60.00		690.62	1160.22	0.00	0.00
65.00		687.02	1137.63	0.00	0.00
70.00		682.24	1115.04	0.00	0.00
75.00		676.42	1092.45	0.00	0.00
80.00		669.65	1069.86	0.00	0.00
84.17		551.67	874.29	0.00	0.00
85.00		110.80	282.36	0.00	0.00
89.58		608.03	1533.75	0.00	0.00
90.00		54.65	64.54	0.00	0.00
95.00		654.25	765.73	0.00	0.00
100.00		644.56	749.59	0.00	0.00
105.00		634.25	733.45	0.00	0.00
110.00		623.36	717.32	0.00	0.00
115.00		611.93	701.18	0.00	0.00
120.00		599.98	685.04	0.00	0.00
120.67		78.77	90.12	0.00	0.00
125.00		513.59	859.82	0.00	0.00
125.17		19.49	32.68	0.00	0.00
127.00	(18) attachments	6356.15	2560.80	0.00	0.00
130.00		346.44	262.59	0.00	0.00
135.00		567.69	429.90	0.00	0.00
137.00	(9) attachments	2038.84	983.57	0.00	0.00
140.00		330.26	217.06	0.00	0.00
145.00		539.98	354.02	0.00	0.00
147.00	(17) attachments	5859.25	2768.43	0.00	0.00
150.00	(1) attachments	379.09	199.79	0.00	164.88
Totals:		32,758.11	38,479.08	0.00	164.88

Linear Appurtenance Segment Forces (Factored)

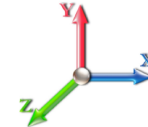
Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 17



Load Case: 0.9D + 1.6W 103 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	21.931	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	23.270	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	23.270	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	24.389	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	24.389	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	25.343	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	25.343	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.179	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.179	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.926	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	26.926	0.00	4.68
41.58	Safety Cable	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	27.146	0.00	0.39
41.58	Step bolts (ladder)	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	27.146	0.00	1.48
45.00	Safety Cable	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	27.602	0.00	0.84
45.00	Step bolts (ladder)	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	27.602	0.00	3.20
48.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	27.979	0.00	0.74
48.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	27.979	0.00	2.81
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	28.221	0.00	0.49
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	28.221	0.00	1.87
55.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	28.793	0.00	1.23
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	28.793	0.00	4.68
60.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.325	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.325	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.823	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	29.823	0.00	4.68
70.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.292	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.292	0.00	4.68
75.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.735	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	30.735	0.00	4.68
80.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	31.156	0.00	1.23
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	31.156	0.00	4.68
84.17	Safety Cable	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	31.491	0.00	1.02
84.17	Step bolts (ladder)	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	31.491	0.00	3.90
85.00	Safety Cable	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	31.556	0.00	0.20
85.00	Step bolts (ladder)	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	31.556	0.00	0.78
89.58	Safety Cable	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	31.907	0.00	1.13
89.58	Step bolts (ladder)	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	31.907	0.00	4.29
90.00	Safety Cable	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	31.938	0.00	0.10
90.00	Step bolts (ladder)	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	31.938	0.00	0.39
95.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.304	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.304	0.00	4.68
100.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.654	0.00	1.23

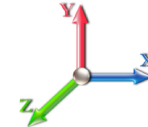
Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (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: 0.9D + 1.6W 103 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.60



Iterations 21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.654	0.00	4.68
105.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.991	0.00	1.23
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	32.991	0.00	4.68
110.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.316	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.316	0.00	4.68
115.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.629	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.629	0.00	4.68
120.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.932	0.00	1.23
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	33.932	0.00	4.68
120.67	Safety Cable	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	33.972	0.00	0.16
120.67	Step bolts (ladder)	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	33.972	0.00	0.62
125.00	Safety Cable	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	34.225	0.00	1.06
125.00	Step bolts (ladder)	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	34.225	0.00	4.06
125.17	Safety Cable	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	34.235	0.00	0.04
125.17	Step bolts (ladder)	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	34.235	0.00	0.16
127.00	Safety Cable	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	34.340	0.00	0.45
127.00	Step bolts (ladder)	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	34.340	0.00	1.72
130.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	34.509	0.00	0.74
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	34.509	0.00	2.81
135.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	34.784	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	34.784	0.00	4.68
137.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.892	0.00	0.49
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.892	0.00	1.87
140.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.051	0.00	0.74
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.051	0.00	2.81
145.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	35.311	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	35.311	0.00	4.68
147.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.413	0.00	0.49
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.413	0.00	1.87
150.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.564	0.00	0.74
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	35.564	0.00	2.81
Totals:											0.0	177.3

Calculated Forces

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (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

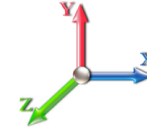


Load Case: 0.9D + 1.6W 103 mph Wind

Iterations 21

Dead Load Factor 0.90

Wind Load Factor 1.60



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.45	-32.80	0.00	-3357.6	0.00	3357.67	6643.18	3321.59	16232.9	8128.53	0.00	0.000	0.000	0.419
5.00	-36.82	-32.23	0.00	-3193.6	0.00	3193.69	6561.33	3280.67	15744.2	7883.82	0.06	-0.110	0.000	0.411
10.00	-35.22	-31.68	0.00	-3032.5	0.00	3032.52	6478.15	3239.07	15259.6	7641.15	0.24	-0.221	0.000	0.402
15.00	-33.64	-31.13	0.00	-2874.1	0.00	2874.14	6393.63	3196.81	14779.2	7400.59	0.53	-0.332	0.000	0.394
20.00	-32.10	-30.55	0.00	-2718.5	0.00	2718.51	6307.77	3153.88	14303.2	7162.24	0.93	-0.443	0.000	0.385
25.00	-30.58	-29.94	0.00	-2565.7	0.00	2565.78	6220.57	3110.29	13831.8	6926.18	1.46	-0.554	0.000	0.375
30.00	-29.09	-29.32	0.00	-2416.0	0.00	2416.09	6132.04	3066.02	13365.1	6692.51	2.10	-0.665	0.000	0.366
35.00	-27.63	-28.68	0.00	-2269.5	0.00	2269.50	6042.17	3021.08	12903.4	6461.30	2.86	-0.776	0.000	0.356
40.00	-26.22	-28.01	0.00	-2126.1	0.00	2126.11	5950.96	2975.48	12446.8	6232.66	3.73	-0.887	0.000	0.346
41.58	-25.76	-27.82	0.00	-2081.7	0.00	2081.75	5921.80	2960.90	12303.3	6160.80	4.03	-0.922	0.000	0.342
45.00	-24.06	-27.35	0.00	-1986.7	0.00	1986.71	5858.41	2929.21	11995.4	6006.66	4.72	-0.998	0.000	0.335
48.00	-22.60	-26.93	0.00	-1904.6	0.00	1904.66	4962.21	2481.10	10234.7	5124.96	5.37	-1.065	0.000	0.376
50.00	-22.08	-26.68	0.00	-1850.8	0.00	1850.80	4932.77	2466.38	10087.1	5051.08	5.82	-1.109	0.000	0.371
55.00	-20.86	-26.00	0.00	-1717.4	0.00	1717.41	4858.24	2429.12	9721.01	4867.73	7.05	-1.226	0.000	0.357
60.00	-19.67	-25.33	0.00	-1587.4	0.00	1587.40	4782.37	2391.18	9358.79	4686.35	8.39	-1.342	0.000	0.343
65.00	-18.50	-24.65	0.00	-1460.7	0.00	1460.77	4705.16	2352.58	9000.68	4507.03	9.86	-1.456	0.000	0.328
70.00	-17.36	-23.97	0.00	-1337.5	0.00	1337.53	4626.62	2313.31	8646.87	4329.86	11.45	-1.568	0.000	0.313
75.00	-16.24	-23.29	0.00	-1217.6	0.00	1217.68	4546.74	2273.37	8297.53	4154.93	13.15	-1.677	0.000	0.297
80.00	-15.15	-22.62	0.00	-1101.2	0.00	1101.21	4465.52	2232.76	7952.84	3982.33	14.96	-1.784	0.000	0.280
84.17	-14.28	-22.05	0.00	-1006.9	0.00	1006.97	4389.85	2194.93	7657.14	3834.26	16.56	-1.871	0.000	0.266
85.00	-13.98	-21.94	0.00	-988.60	0.00	988.60	4371.58	2185.79	7593.21	3802.25	16.89	-1.888	0.000	0.263
89.58	-12.45	-21.30	0.00	-888.02	0.00	888.02	2817.41	1408.71	4881.90	2444.58	18.74	-1.980	0.000	0.368
90.00	-12.36	-21.25	0.00	-879.14	0.00	879.14	2813.70	1406.85	4865.15	2436.19	18.92	-1.988	0.000	0.365
95.00	-11.57	-20.60	0.00	-772.88	0.00	772.88	2768.43	1384.22	4665.07	2336.00	21.07	-2.114	0.000	0.335
100.00	-10.81	-19.95	0.00	-669.89	0.00	669.89	2721.83	1360.91	4466.78	2236.71	23.35	-2.233	0.000	0.304
105.00	-10.06	-19.30	0.00	-570.16	0.00	570.16	2673.89	1336.94	4270.46	2138.40	25.75	-2.344	0.000	0.271
110.00	-9.34	-18.66	0.00	-473.65	0.00	473.65	2624.60	1312.30	4076.27	2041.17	28.26	-2.444	0.000	0.236
115.00	-8.64	-18.04	0.00	-380.32	0.00	380.32	2573.99	1286.99	3884.41	1945.09	30.87	-2.534	0.000	0.199
120.00	-7.97	-17.41	0.00	-290.14	0.00	290.14	2522.03	1261.02	3695.03	1850.26	33.56	-2.611	0.000	0.160
120.67	-7.88	-17.33	0.00	-278.54	0.00	278.54	2515.00	1257.50	3669.98	1837.72	33.93	-2.620	0.000	0.155
125.00	-7.03	-16.78	0.00	-203.43	0.00	203.43	2468.74	1234.37	3508.34	1756.78	36.33	-2.673	0.000	0.119
125.17	-7.00	-16.76	0.00	-200.63	0.00	200.63	1203.56	601.78	1739.68	871.13	36.43	-2.675	0.000	0.237
127.00	-4.73	-10.30	0.00	-169.90	0.00	169.90	1198.21	599.10	1712.61	857.58	37.46	-2.694	0.000	0.202
130.00	-4.48	-9.94	0.00	-139.01	0.00	139.01	1189.06	594.53	1668.14	835.31	39.16	-2.736	0.000	0.170
135.00	-4.07	-9.36	0.00	-89.29	0.00	89.29	1172.74	586.37	1593.65	798.01	42.06	-2.790	0.000	0.116
137.00	-3.19	-7.27	0.00	-70.58	0.00	70.58	1165.84	582.92	1563.75	783.04	43.23	-2.807	0.000	0.093
140.00	-2.98	-6.93	0.00	-48.76	0.00	48.76	1155.08	577.54	1518.83	760.54	45.00	-2.827	0.000	0.067
145.00	-2.65	-6.38	0.00	-14.09	0.00	14.09	1136.09	568.04	1443.87	723.01	47.98	-2.845	0.000	0.022
147.00	-0.18	-0.39	0.00	-1.33	0.00	1.33	1128.12	564.06	1413.88	707.99	49.17	-2.847	0.000	0.002
150.00	0.00	-0.38	0.00	-0.16	0.00	0.16	1115.76	557.88	1368.94	685.49	50.96	-2.847	0.000	0.000

Wind Loading - Shaft

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (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

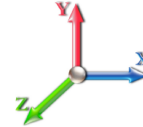


Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 20

Dead Load Factor 1.20

Wind Load Factor 1.00



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	26.196	31.44	178.7	468.3	2378.9
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	25.821	30.98	176.1	493.7	2369.9
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	25.417	30.50	173.4	505.4	2347.1
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	25.001	30.00	181.0	511.0	2318.3
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	24.579	29.49	186.5	513.1	2286.0
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	24.151	28.98	190.4	512.9	2251.4
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	23.721	28.47	193.2	511.1	2215.1
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	5.00	23.288	27.95	195.0	507.9	2177.5
41.58 Bot - Section 2		1.00	1.05	6.397	7.04	0.00	1.200	1.535	1.58	7.283	8.74	61.5	160.5	682.0
45.00		1.00	1.07	6.504	7.15	0.00	1.200	1.547	3.42	15.821	18.99	135.8	350.1	2456.3
48.00 Top - Section 1		1.00	1.08	6.593	7.25	0.00	1.200	1.557	3.00	13.724	16.47	119.4	305.7	2130.3
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	2.00	9.061	10.87	79.5	203.0	770.3
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	22.351	26.82	200.2	502.0	1899.1
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	21.913	26.30	199.9	495.9	1862.9
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	21.474	25.77	199.2	489.3	1826.2
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	21.035	25.24	198.2	482.3	1789.1
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	20.595	24.71	196.9	474.9	1751.6
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	5.00	20.154	24.18	195.3	467.2	1713.7
84.17 Bot - Section 3		1.00	1.22	7.421	8.16	0.00	1.200	1.647	4.17	16.457	19.75	161.2	383.8	1399.5
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	0.83	3.298	3.96	32.4	77.6	424.1
89.58 Top - Section 2		1.00	1.24	7.519	8.27	0.00	1.200	1.658	4.58	17.924	21.51	177.9	419.9	2299.9
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	0.42	1.611	1.93	16.0	38.1	109.2
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	5.00	19.093	22.91	191.9	448.8	1289.8
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	18.651	22.38	189.4	440.0	1259.5
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	18.208	21.85	186.9	431.1	1229.0
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	17.765	21.32	184.1	421.9	1198.4
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	17.322	20.79	181.2	412.5	1167.5
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	5.00	16.878	20.25	178.1	403.0	1136.4
120.67 Bot - Section 4		1.00	1.32	8.005	8.81	0.00	1.200	1.708	0.67	2.217	2.66	23.4	53.6	149.7
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	4.33	14.355	17.23	152.8	344.4	1334.8
125.17 Top - Section 3		1.00	1.33	8.067	8.87	0.00	1.200	1.714	0.17	0.545	0.65	5.8	13.2	50.8
127.00 Appurtenance(s)		1.00	1.33	8.092	8.90	0.00	1.200	1.716	1.83	5.967	7.16	63.7	144.3	299.7
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	3.00	9.636	11.56	103.4	232.5	483.2
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	15.705	18.85	169.9	377.6	785.0
137.00 Appurtenance(s)		1.00	1.35	8.222	9.04	0.00	1.200	1.729	2.00	6.157	7.39	66.8	149.4	308.8
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	3.00	9.103	10.92	99.2	220.5	455.6
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	14.817	17.78	162.7	357.2	738.8
147.00 Appurtenance(s)		1.00	1.37	8.345	9.18	0.00	1.200	1.742	2.00	5.802	6.96	63.9	141.2	290.3
150.00 Appurtenance(s)		1.00	1.38	8.381	9.22	0.00	1.200	1.745	3.00	8.569	10.28	94.8	208.1	427.8
Totals:									150.00			5,566.0		52,063.5

Discrete Appurtenance Forces

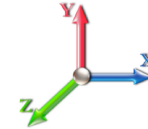
Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021	
Site Name: Ledyard	Exposure: C		
Height: 150.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 21



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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Lightning Rod	1	8.410	9.251	1.00	1.00	3.42	64.41	0.000	2.500	31.67	0.00	79.18
2	147.00	APXVAARR24_43-U-NA2	3	8.345	9.180	0.56	0.80	37.19	1711.75	0.000	0.000	341.38	0.00	0.00
3	147.00	Platform w/ Hand Rail	1	8.345	9.180	1.00	1.00	59.87	3415.60	0.000	0.000	549.56	0.00	0.00
4	147.00	Ericsson KRY 112 144/1	3	8.345	9.180	0.57	0.80	1.51	62.58	0.000	0.000	13.83	0.00	0.00
5	147.00	Ericsson AIR 21 B4A B2P	3	8.345	9.180	0.70	0.80	15.00	830.88	0.000	0.000	137.71	0.00	0.00
6	147.00	Ericsson AIR 21 B2A B4P	3	8.345	9.180	0.70	0.80	15.00	834.84	0.000	0.000	137.71	0.00	0.00
7	147.00	Kickers w/o Collar	1	8.345	9.180	1.00	1.00	10.90	314.63	0.000	0.000	100.06	0.00	0.00
8	147.00	Radio 4449 B71+B12	3	8.345	9.180	0.54	0.80	4.05	374.62	0.000	0.000	37.14	0.00	0.00
9	137.00	T-Arms	3	8.222	9.044	0.75	0.75	41.31	1306.43	0.000	0.000	373.61	0.00	0.00
10	137.00	Kathrein 742 351	6	8.222	9.044	0.50	0.80	21.87	617.39	0.000	0.000	197.80	0.00	0.00
11	127.00	Samsung B5/B13	3	8.092	8.901	0.54	0.80	3.91	456.86	0.000	0.000	34.82	0.00	0.00
12	127.00	Samsung B2/B66A	3	8.092	8.901	0.54	0.80	3.91	528.82	0.000	0.000	34.82	0.00	0.00
13	127.00	Samsung 64T64R	3	8.092	8.901	0.60	0.80	15.23	815.59	0.000	0.000	135.53	0.00	0.00
14	127.00	Platform w/ Handrails	1	8.092	8.901	1.00	1.00	59.46	3385.18	0.000	0.000	529.29	0.00	0.00
15	127.00	RFS DB-T1-6Z-8AB-OZ	2	8.092	8.901	0.58	0.80	6.52	327.24	0.000	0.000	58.02	0.00	0.00
16	127.00	SBNHH-1D45C	6	8.092	8.901	0.68	0.80	53.11	1902.39	0.000	0.000	472.78	0.00	0.00
Totals:								16,949.21				3,185.74		

Total Applied Force Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

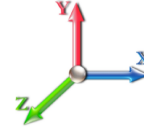


Page: 22

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

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		178.70	2582.71	0.00	0.00
10.00		176.14	2576.91	0.00	0.00
15.00		173.39	2556.20	0.00	0.00
20.00		180.96	2528.93	0.00	0.00
25.00		186.46	2497.87	0.00	0.00
30.00		190.39	2464.31	0.00	0.00
35.00		193.17	2428.96	0.00	0.00
40.00		195.05	2392.24	0.00	0.00
41.58		61.49	750.06	0.00	0.00
45.00		135.84	2603.56	0.00	0.00
48.00		119.44	2259.77	0.00	0.00
50.00		79.54	856.73	0.00	0.00
55.00		200.18	2115.86	0.00	0.00
60.00		199.89	2080.25	0.00	0.00
65.00		199.21	2044.10	0.00	0.00
70.00		198.20	2007.49	0.00	0.00
75.00		196.89	1970.46	0.00	0.00
80.00		195.31	1933.07	0.00	0.00
84.17		161.20	1582.63	0.00	0.00
85.00		32.37	460.72	0.00	0.00
89.58		177.89	2501.74	0.00	0.00
90.00		16.00	127.52	0.00	0.00
95.00		191.85	1510.44	0.00	0.00
100.00		189.44	1480.55	0.00	0.00
105.00		186.86	1450.42	0.00	0.00
110.00		184.10	1420.09	0.00	0.00
115.00		181.20	1389.56	0.00	0.00
120.00		178.15	1358.84	0.00	0.00
120.67		23.42	179.39	0.00	0.00
125.00		152.82	1527.86	0.00	0.00
125.17		5.81	58.24	0.00	0.00
127.00	(18) attachments	1329.00	7797.50	0.00	0.00
130.00		103.43	608.48	0.00	0.00
135.00		169.93	994.14	0.00	0.00
137.00	(9) attachments	638.24	2316.30	0.00	0.00
140.00		99.25	536.09	0.00	0.00
145.00		162.74	873.21	0.00	0.00
147.00	(17) attachments	1381.30	7888.96	0.00	0.00
150.00	(1) attachments	126.47	523.47	0.00	79.18
Totals:		8,751.74	75,235.62	0.00	79.18

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 20

Dead Load Factor 1.20

Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	12.93
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	18.85
10.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	14.46
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	20.46
15.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	15.46
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.168	0.00	21.51
20.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.483	0.00	16.21
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.483	0.00	22.31
25.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.747	0.00	16.83
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.747	0.00	22.95
30.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.972	0.00	17.35
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	5.972	0.00	23.50
35.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.169	0.00	17.80
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.169	0.00	23.98
40.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.345	0.00	18.21
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.345	0.00	24.40
41.58	Safety Cable	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	6.397	0.00	5.80
41.58	Step bolts (ladder)	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	6.397	0.00	7.77
45.00	Safety Cable	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	6.504	0.00	12.69
45.00	Step bolts (ladder)	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	6.504	0.00	16.94
48.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	6.593	0.00	11.27
48.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	6.593	0.00	15.00
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.650	0.00	7.56
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.650	0.00	10.06
55.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.785	0.00	19.22
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.785	0.00	25.46
60.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.910	0.00	19.51
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	6.910	0.00	25.76
65.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.028	0.00	19.78
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.028	0.00	26.04
70.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.138	0.00	20.03
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.138	0.00	26.31
75.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.243	0.00	20.27
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.243	0.00	26.56
80.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.342	0.00	20.49
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.342	0.00	26.79
84.17	Safety Cable	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	7.421	0.00	17.23
84.17	Step bolts (ladder)	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	7.421	0.00	22.48
85.00	Safety Cable	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	7.436	0.00	3.45
85.00	Step bolts (ladder)	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	7.436	0.00	4.50
89.58	Safety Cable	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	7.519	0.00	19.16
89.58	Step bolts (ladder)	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	7.519	0.00	24.95
90.00	Safety Cable	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	7.526	0.00	1.74
90.00	Step bolts (ladder)	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	7.526	0.00	2.27
95.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.612	0.00	21.11
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.612	0.00	27.44
100.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.695	0.00	21.30

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



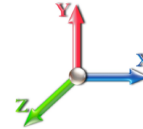
Page: 24

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 20



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.695	0.00	27.63
105.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.774	0.00	21.48
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.774	0.00	27.82
110.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.851	0.00	21.65
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.851	0.00	28.00
115.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.925	0.00	21.82
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.925	0.00	28.18
120.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.996	0.00	21.98
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.996	0.00	28.34
120.67	Safety Cable	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	8.005	0.00	2.93
120.67	Step bolts (ladder)	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	8.005	0.00	3.78
125.00	Safety Cable	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	8.065	0.00	19.18
125.00	Step bolts (ladder)	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	8.065	0.00	24.71
125.17	Safety Cable	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	8.067	0.00	0.74
125.17	Step bolts (ladder)	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	8.067	0.00	0.95
127.00	Safety Cable	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	8.092	0.00	8.14
127.00	Step bolts (ladder)	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	8.092	0.00	10.48
130.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.132	0.00	13.37
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.132	0.00	17.20
135.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.197	0.00	22.43
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.197	0.00	28.82
137.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.222	0.00	9.00
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.222	0.00	11.55
140.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.260	0.00	13.54
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.260	0.00	17.38
145.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.321	0.00	22.71
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.321	0.00	29.11
147.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.345	0.00	9.11
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.345	0.00	11.67
150.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.381	0.00	13.71
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	8.381	0.00	17.55
Totals:											0.0	1,371.1

Calculated Forces

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (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



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

Iterations 20

Dead Load Factor 1.20

Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-75.23	-8.77	0.00	-893.38	0.00	893.38	6643.18	3321.59	16232.9	8128.53	0.00	0.000	0.000	0.121
5.00	-72.65	-8.63	0.00	-849.53	0.00	849.53	6561.33	3280.67	15744.2	7883.82	0.02	-0.029	0.000	0.119
10.00	-70.07	-8.49	0.00	-806.39	0.00	806.39	6478.15	3239.07	15259.6	7641.15	0.06	-0.059	0.000	0.116
15.00	-67.50	-8.34	0.00	-763.96	0.00	763.96	6393.63	3196.81	14779.2	7400.59	0.14	-0.088	0.000	0.114
20.00	-64.97	-8.19	0.00	-722.23	0.00	722.23	6307.77	3153.88	14303.2	7162.24	0.25	-0.118	0.000	0.111
25.00	-62.47	-8.03	0.00	-681.27	0.00	681.27	6220.57	3110.29	13831.8	6926.18	0.39	-0.147	0.000	0.108
30.00	-60.00	-7.87	0.00	-641.11	0.00	641.11	6132.04	3066.02	13365.1	6692.51	0.56	-0.177	0.000	0.106
35.00	-57.57	-7.69	0.00	-601.78	0.00	601.78	6042.17	3021.08	12903.4	6461.30	0.76	-0.206	0.000	0.103
40.00	-55.18	-7.51	0.00	-563.31	0.00	563.31	5950.96	2975.48	12446.8	6232.66	0.99	-0.236	0.000	0.100
41.58	-54.42	-7.46	0.00	-551.43	0.00	551.43	5921.80	2960.90	12303.3	6160.80	1.07	-0.245	0.000	0.099
45.00	-51.82	-7.33	0.00	-525.95	0.00	525.95	5858.41	2929.21	11995.4	6006.66	1.25	-0.265	0.000	0.096
48.00	-49.56	-7.21	0.00	-503.97	0.00	503.97	4962.21	2481.10	10234.7	5124.96	1.43	-0.283	0.000	0.108
50.00	-48.70	-7.14	0.00	-489.55	0.00	489.55	4932.77	2466.38	10087.1	5051.08	1.55	-0.294	0.000	0.107
55.00	-46.58	-6.96	0.00	-453.83	0.00	453.83	4858.24	2429.12	9721.01	4867.73	1.87	-0.325	0.000	0.103
60.00	-44.50	-6.77	0.00	-419.04	0.00	419.04	4782.37	2391.18	9358.79	4686.35	2.23	-0.356	0.000	0.099
65.00	-42.45	-6.58	0.00	-385.20	0.00	385.20	4705.16	2352.58	9000.68	4507.03	2.62	-0.386	0.000	0.094
70.00	-40.44	-6.39	0.00	-352.30	0.00	352.30	4626.62	2313.31	8646.87	4329.86	3.04	-0.415	0.000	0.090
75.00	-38.47	-6.19	0.00	-320.37	0.00	320.37	4546.74	2273.37	8297.53	4154.93	3.49	-0.444	0.000	0.086
80.00	-36.54	-6.00	0.00	-289.40	0.00	289.40	4465.52	2232.76	7952.84	3982.33	3.97	-0.472	0.000	0.081
84.17	-34.95	-5.83	0.00	-264.40	0.00	264.40	4389.85	2194.93	7657.14	3834.26	4.39	-0.495	0.000	0.077
85.00	-34.49	-5.81	0.00	-259.54	0.00	259.54	4371.58	2185.79	7593.21	3802.25	4.48	-0.500	0.000	0.076
89.58	-31.99	-5.61	0.00	-232.93	0.00	232.93	2817.41	1408.71	4881.90	2444.58	4.97	-0.524	0.000	0.107
90.00	-31.86	-5.61	0.00	-230.59	0.00	230.59	2813.70	1406.85	4865.15	2436.19	5.02	-0.526	0.000	0.106
95.00	-30.35	-5.42	0.00	-202.57	0.00	202.57	2768.43	1384.22	4665.07	2336.00	5.59	-0.559	0.000	0.098
100.00	-28.87	-5.23	0.00	-175.48	0.00	175.48	2721.83	1360.91	4466.78	2236.71	6.19	-0.590	0.000	0.089
105.00	-27.42	-5.04	0.00	-149.35	0.00	149.35	2673.89	1336.94	4270.46	2138.40	6.82	-0.619	0.000	0.080
110.00	-26.00	-4.85	0.00	-124.16	0.00	124.16	2624.60	1312.30	4076.27	2041.17	7.49	-0.646	0.000	0.071
115.00	-24.61	-4.66	0.00	-99.91	0.00	99.91	2573.99	1286.99	3884.41	1945.09	8.18	-0.669	0.000	0.061
120.00	-23.25	-4.47	0.00	-76.59	0.00	76.59	2522.03	1261.02	3695.03	1850.26	8.89	-0.689	0.000	0.051
120.67	-23.07	-4.45	0.00	-73.61	0.00	73.61	2515.00	1257.50	3669.98	1837.72	8.98	-0.692	0.000	0.049
125.00	-21.55	-4.28	0.00	-54.33	0.00	54.33	2468.74	1234.37	3508.34	1756.78	9.62	-0.706	0.000	0.040
125.17	-21.49	-4.28	0.00	-53.61	0.00	53.61	1203.56	601.78	1739.68	871.13	9.64	-0.706	0.000	0.079
127.00	-13.71	-2.85	0.00	-45.77	0.00	45.77	1198.21	599.10	1712.61	857.58	9.92	-0.711	0.000	0.065
130.00	-13.10	-2.74	0.00	-37.22	0.00	37.22	1189.06	594.53	1668.14	835.31	10.37	-0.723	0.000	0.056
135.00	-12.11	-2.56	0.00	-23.49	0.00	23.49	1172.74	586.37	1593.65	798.01	11.13	-0.737	0.000	0.040
137.00	-9.80	-1.90	0.00	-18.36	0.00	18.36	1165.84	582.92	1563.75	783.04	11.44	-0.741	0.000	0.032
140.00	-9.26	-1.79	0.00	-12.67	0.00	12.67	1155.08	577.54	1518.83	760.54	11.91	-0.747	0.000	0.025
145.00	-8.39	-1.62	0.00	-3.71	0.00	3.71	1136.09	568.04	1443.87	723.01	12.70	-0.751	0.000	0.013
147.00	-0.52	-0.13	0.00	-0.48	0.00	0.48	1128.12	564.06	1413.88	707.99	13.01	-0.752	0.000	0.001
150.00	0.00	-0.13	0.00	-0.08	0.00	0.08	1115.76	557.88	1368.94	685.49	13.48	-0.752	0.000	0.000

Seismic Segment Forces (Factored)

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 26



Load Case: 1.2D + 1.0E

Iterations 19

Gust Response Factor 1.10

Sds 0.18

Ss 0.17

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

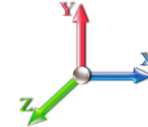
Sd1 0.09

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.48

SA 0.05

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		1592.1	0.00	0.03	0.02	21.14	
10.00		1563.4	0.01	0.05	0.03	31.35	
15.00		1534.7	0.02	0.06	0.04	36.27	
20.00		1506.1	0.03	0.07	0.04	38.54	
25.00		1477.4	0.05	0.07	0.04	39.55	
30.00		1448.7	0.08	0.07	0.04	40.06	
35.00		1420.0	0.10	0.07	0.04	40.40	
40.00		1391.3	0.13	0.07	0.03	40.62	
41.58	Bot - Section 2	434.61	0.15	0.07	0.03	12.78	
45.00		1755.2	0.17	0.07	0.03	52.22	
48.00	Top - Section 1	1520.4	0.19	0.06	0.02	45.44	
50.00		472.74	0.21	0.06	0.02	14.11	
55.00		1164.2	0.25	0.05	0.02	33.93	
60.00		1139.1	0.30	0.04	0.01	30.98	
65.00		1114.0	0.35	0.03	0.01	26.30	
70.00		1088.9	0.41	0.01	0.01	19.74	
75.00		1063.8	0.47	-0.01	0.01	11.52	
80.00		1038.7	0.54	-0.03	0.01	2.37	
84.17	Bot - Section 3	846.46	0.60	-0.05	0.01	-4.27	
85.00		288.74	0.61	-0.06	0.02	-1.86	
89.58	Top - Section 2	1566.7	0.67	-0.08	0.03	-21.05	
90.00		59.21	0.68	-0.08	0.03	-0.83	
95.00		700.84	0.76	-0.10	0.04	-13.29	
100.00		682.91	0.84	-0.12	0.07	-13.90	
105.00		664.98	0.93	-0.12	0.10	-11.63	
110.00		647.05	1.02	-0.11	0.14	-6.50	
115.00		629.12	1.11	-0.06	0.19	1.35	
120.00		611.19	1.21	0.01	0.26	11.69	
120.67	Bot - Section 4	80.14	1.22	0.03	0.27	1.74	
125.00		825.39	1.31	0.14	0.35	33.81	
125.17	Top - Section 3	31.32	1.32	0.14	0.35	1.31	
127.00	Appurtenance(s)	2790.3	1.35	0.20	0.39	142.47	
130.00		208.87	1.42	0.32	0.45	14.14	
135.00		339.50	1.53	0.58	0.58	33.73	
137.00	Appurtenance(s)	1037.5	1.58	0.71	0.64	117.68	
140.00		195.96	1.65	0.93	0.73	26.66	
145.00		317.99	1.77	1.39	0.92	56.55	
147.00	Appurtenance(s)	3045.8	1.82	1.61	1.00	597.02	
150.00	Appurtenance(s)	218.05	1.89	1.98	1.14	49.02	
Totals:		38,514.4				1,551.2	
						Total Wind:	32,758.1

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

Calculated Forces

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (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



Load Case: 1.2D + 1.0E

Iterations 19

Gust Response Factor 1.10

Sds 0.18

Ss 0.17

Dead Load Factor 1.20

Seismic Load Factor 1.00

Sd1 0.09

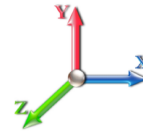
S1 0.06

Wind Load Factor 0.00

Structure Frequency (f1) 0.48

SA 0.05

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	-51.31	-1.63	0.00	-178.42	0.00	178.42	6643.18	3321.59	16232.9	8128.53	0.00	0.00	0.00	0.030
5.00	-49.21	-1.61	0.00	-170.29	0.00	170.29	6561.33	3280.67	15744.2	7883.82	0.00	-0.01	0.029	
10.00	-47.16	-1.58	0.00	-162.24	0.00	162.24	6478.15	3239.07	15259.6	7641.15	0.01	-0.01	0.029	
15.00	-45.14	-1.55	0.00	-154.32	0.00	154.32	6393.63	3196.81	14779.2	7400.59	0.03	-0.02	0.028	
20.00	-43.15	-1.52	0.00	-146.57	0.00	146.57	6307.77	3153.88	14303.2	7162.24	0.05	-0.02	0.027	
25.00	-41.20	-1.48	0.00	-138.98	0.00	138.98	6220.57	3110.29	13831.8	6926.18	0.08	-0.03	0.027	
30.00	-39.28	-1.44	0.00	-131.58	0.00	131.58	6132.04	3066.02	13365.1	6692.51	0.11	-0.04	0.026	
35.00	-37.39	-1.41	0.00	-124.36	0.00	124.36	6042.17	3021.08	12903.4	6461.30	0.15	-0.04	0.025	
40.00	-35.54	-1.37	0.00	-117.34	0.00	117.34	5950.96	2975.48	12446.8	6232.66	0.20	-0.05	0.025	
41.58	-34.97	-1.35	0.00	-115.17	0.00	115.17	5921.80	2960.90	12303.3	6160.80	0.22	-0.05	0.025	
45.00	-32.74	-1.30	0.00	-110.54	0.00	110.54	5858.41	2929.21	11995.4	6006.66	0.25	-0.05	0.024	
48.00	-30.80	-1.26	0.00	-106.63	0.00	106.63	4962.21	2481.10	10234.7	5124.96	0.29	-0.06	0.027	
50.00	-30.16	-1.24	0.00	-104.12	0.00	104.12	4932.77	2466.38	10087.1	5051.08	0.31	-0.06	0.027	
55.00	-28.59	-1.21	0.00	-97.90	0.00	97.90	4858.24	2429.12	9721.01	4867.73	0.38	-0.07	0.026	
60.00	-27.04	-1.18	0.00	-91.83	0.00	91.83	4782.37	2391.18	9358.79	4686.35	0.45	-0.07	0.025	
65.00	-25.52	-1.16	0.00	-85.92	0.00	85.92	4705.16	2352.58	9000.68	4507.03	0.53	-0.08	0.024	
70.00	-24.04	-1.14	0.00	-80.13	0.00	80.13	4626.62	2313.31	8646.87	4329.86	0.62	-0.09	0.024	
75.00	-22.58	-1.13	0.00	-74.44	0.00	74.44	4546.74	2273.37	8297.53	4154.93	0.72	-0.09	0.023	
80.00	-21.15	-1.12	0.00	-68.81	0.00	68.81	4465.52	2232.76	7952.84	3982.33	0.82	-0.10	0.022	
84.17	-19.99	-1.12	0.00	-64.12	0.00	64.12	4389.85	2194.93	7657.14	3834.26	0.91	-0.11	0.021	
85.00	-19.61	-1.12	0.00	-63.19	0.00	63.19	4371.58	2185.79	7593.21	3802.25	0.93	-0.11	0.021	
89.58	-17.57	-1.12	0.00	-58.03	0.00	58.03	2817.41	1408.71	4881.90	2444.58	1.03	-0.11	0.030	
90.00	-17.48	-1.12	0.00	-57.57	0.00	57.57	2813.70	1406.85	4865.15	2436.19	1.04	-0.11	0.030	
95.00	-16.46	-1.12	0.00	-51.95	0.00	51.95	2768.43	1384.22	4665.07	2336.00	1.16	-0.12	0.028	
100.00	-15.46	-1.12	0.00	-46.34	0.00	46.34	2721.83	1360.91	4466.78	2236.71	1.30	-0.13	0.026	
105.00	-14.48	-1.12	0.00	-40.73	0.00	40.73	2673.89	1336.94	4270.46	2138.40	1.44	-0.14	0.024	
110.00	-13.52	-1.12	0.00	-35.12	0.00	35.12	2624.60	1312.30	4076.27	2041.17	1.58	-0.14	0.022	
115.00	-12.59	-1.12	0.00	-29.51	0.00	29.51	2573.99	1286.99	3884.41	1945.09	1.74	-0.15	0.020	
120.00	-11.68	-1.11	0.00	-23.91	0.00	23.91	2522.03	1261.02	3695.03	1850.26	1.90	-0.16	0.018	
120.67	-11.56	-1.10	0.00	-23.17	0.00	23.17	2515.00	1257.50	3669.98	1837.72	1.92	-0.16	0.017	
125.00	-10.41	-1.07	0.00	-18.39	0.00	18.39	2468.74	1234.37	3508.34	1756.78	2.07	-0.16	0.015	
125.17	-10.37	-1.07	0.00	-18.21	0.00	18.21	1203.56	601.78	1739.68	871.13	2.07	-0.16	0.030	
127.00	-6.95	-0.91	0.00	-16.25	0.00	16.25	1198.21	599.10	1712.61	857.58	2.14	-0.16	0.025	
130.00	-6.60	-0.90	0.00	-13.51	0.00	13.51	1189.06	594.53	1668.14	835.31	2.24	-0.17	0.022	
135.00	-6.03	-0.87	0.00	-9.01	0.00	9.01	1172.74	586.37	1593.65	798.01	2.42	-0.17	0.016	
137.00	-4.72	-0.74	0.00	-7.28	0.00	7.28	1165.84	582.92	1563.75	783.04	2.50	-0.18	0.013	
140.00	-4.43	-0.72	0.00	-5.05	0.00	5.05	1155.08	577.54	1518.83	760.54	2.61	-0.18	0.010	
145.00	-3.96	-0.66	0.00	-1.47	0.00	1.47	1136.09	568.04	1443.87	723.01	2.79	-0.18	0.006	
147.00	-0.27	-0.05	0.00	-0.15	0.00	0.15	1128.12	564.06	1413.88	707.99	2.87	-0.18	0.000	
150.00	0.00	-0.05	0.00	0.00	0.00	0.00	1115.76	557.88	1368.94	685.49	2.98	-0.18	0.000	

Seismic Segment Forces (Factored)

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 28



Load Case: 0.9D + 1.0E

Iterations 19

Gust Response Factor 1.10

Sds 0.18

Ss 0.17

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

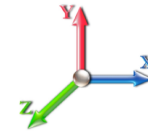
Sd1 0.09

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.48

SA 0.05

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		1592.1	0.00	0.03	0.02	21.14	
10.00		1563.4	0.01	0.05	0.03	31.35	
15.00		1534.7	0.02	0.06	0.04	36.27	
20.00		1506.1	0.03	0.07	0.04	38.54	
25.00		1477.4	0.05	0.07	0.04	39.55	
30.00		1448.7	0.08	0.07	0.04	40.06	
35.00		1420.0	0.10	0.07	0.04	40.40	
40.00		1391.3	0.13	0.07	0.03	40.62	
41.58	Bot - Section 2	434.61	0.15	0.07	0.03	12.78	
45.00		1755.2	0.17	0.07	0.03	52.22	
48.00	Top - Section 1	1520.4	0.19	0.06	0.02	45.44	
50.00		472.74	0.21	0.06	0.02	14.11	
55.00		1164.2	0.25	0.05	0.02	33.93	
60.00		1139.1	0.30	0.04	0.01	30.98	
65.00		1114.0	0.35	0.03	0.01	26.30	
70.00		1088.9	0.41	0.01	0.01	19.74	
75.00		1063.8	0.47	-0.01	0.01	11.52	
80.00		1038.7	0.54	-0.03	0.01	2.37	
84.17	Bot - Section 3	846.46	0.60	-0.05	0.01	-4.27	
85.00		288.74	0.61	-0.06	0.02	-1.86	
89.58	Top - Section 2	1566.7	0.67	-0.08	0.03	-21.05	
90.00		59.21	0.68	-0.08	0.03	-0.83	
95.00		700.84	0.76	-0.10	0.04	-13.29	
100.00		682.91	0.84	-0.12	0.07	-13.90	
105.00		664.98	0.93	-0.12	0.10	-11.63	
110.00		647.05	1.02	-0.11	0.14	-6.50	
115.00		629.12	1.11	-0.06	0.19	1.35	
120.00		611.19	1.21	0.01	0.26	11.69	
120.67	Bot - Section 4	80.14	1.22	0.03	0.27	1.74	
125.00		825.39	1.31	0.14	0.35	33.81	
125.17	Top - Section 3	31.32	1.32	0.14	0.35	1.31	
127.00	Appurtenance(s)	2790.3	1.35	0.20	0.39	142.47	
130.00		208.87	1.42	0.32	0.45	14.14	
135.00		339.50	1.53	0.58	0.58	33.73	
137.00	Appurtenance(s)	1037.5	1.58	0.71	0.64	117.68	
140.00		195.96	1.65	0.93	0.73	26.66	
145.00		317.99	1.77	1.39	0.92	56.55	
147.00	Appurtenance(s)	3045.8	1.82	1.61	1.00	597.02	
150.00	Appurtenance(s)	218.05	1.89	1.98	1.14	49.02	
Totals:		38,514.4				1,551.2	
						Total Wind:	32,758.1

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

Calculated Forces

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 29



Load Case: 0.9D + 1.0E

Iterations 19

Gust Response Factor 1.10

Sds 0.18

Ss 0.17

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

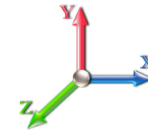
Sd1 0.09

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.48

SA 0.05

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	-38.48	-1.63	0.00	-177.38	0.00	177.38	6643.18	3321.59	16232.9	8128.53	0.00	0.00	0.00	0.028
5.00	-36.91	-1.61	0.00	-169.25	0.00	169.25	6561.33	3280.67	15744.2	7883.82	0.00	-0.01	0.00	0.027
10.00	-35.37	-1.58	0.00	-161.21	0.00	161.21	6478.15	3239.07	15259.6	7641.15	0.01	-0.01	0.00	0.027
15.00	-33.85	-1.55	0.00	-153.31	0.00	153.31	6393.63	3196.81	14779.2	7400.59	0.03	-0.02	0.00	0.026
20.00	-32.36	-1.51	0.00	-145.57	0.00	145.57	6307.77	3153.88	14303.2	7162.24	0.05	-0.02	0.00	0.025
25.00	-30.90	-1.47	0.00	-138.02	0.00	138.02	6220.57	3110.29	13831.8	6926.18	0.08	-0.03	0.00	0.025
30.00	-29.46	-1.44	0.00	-130.64	0.00	130.64	6132.04	3066.02	13365.1	6692.51	0.11	-0.04	0.00	0.024
35.00	-28.04	-1.40	0.00	-123.46	0.00	123.46	6042.17	3021.08	12903.4	6461.30	0.15	-0.04	0.00	0.024
40.00	-26.66	-1.36	0.00	-116.47	0.00	116.47	5950.96	2975.48	12446.8	6232.66	0.20	-0.05	0.00	0.023
41.58	-26.22	-1.35	0.00	-114.32	0.00	114.32	5921.80	2960.90	12303.3	6160.80	0.21	-0.05	0.00	0.023
45.00	-24.55	-1.29	0.00	-109.72	0.00	109.72	5858.41	2929.21	11995.4	6006.66	0.25	-0.05	0.00	0.022
48.00	-23.10	-1.25	0.00	-105.83	0.00	105.83	4962.21	2481.10	10234.7	5124.96	0.29	-0.06	0.00	0.025
50.00	-22.62	-1.24	0.00	-103.33	0.00	103.33	4932.77	2466.38	10087.1	5051.08	0.31	-0.06	0.00	0.025
55.00	-21.44	-1.20	0.00	-97.15	0.00	97.15	4858.24	2429.12	9721.01	4867.73	0.38	-0.07	0.00	0.024
60.00	-20.28	-1.17	0.00	-91.13	0.00	91.13	4782.37	2391.18	9358.79	4686.35	0.45	-0.07	0.00	0.024
65.00	-19.14	-1.15	0.00	-85.27	0.00	85.27	4705.16	2352.58	9000.68	4507.03	0.53	-0.08	0.00	0.023
70.00	-18.03	-1.13	0.00	-79.53	0.00	79.53	4626.62	2313.31	8646.87	4329.86	0.62	-0.09	0.00	0.022
75.00	-16.93	-1.12	0.00	-73.89	0.00	73.89	4546.74	2273.37	8297.53	4154.93	0.71	-0.09	0.00	0.022
80.00	-15.86	-1.11	0.00	-68.30	0.00	68.30	4465.52	2232.76	7952.84	3982.33	0.81	-0.10	0.00	0.021
84.17	-14.99	-1.11	0.00	-63.65	0.00	63.65	4389.85	2194.93	7657.14	3834.26	0.90	-0.10	0.00	0.020
85.00	-14.71	-1.11	0.00	-62.72	0.00	62.72	4371.58	2185.79	7593.21	3802.25	0.92	-0.11	0.00	0.020
89.58	-13.17	-1.11	0.00	-57.62	0.00	57.62	2817.41	1408.71	4881.90	2444.58	1.02	-0.11	0.00	0.028
90.00	-13.11	-1.11	0.00	-57.15	0.00	57.15	2813.70	1406.85	4865.15	2436.19	1.03	-0.11	0.00	0.028
95.00	-12.34	-1.11	0.00	-51.59	0.00	51.59	2768.43	1384.22	4665.07	2336.00	1.16	-0.12	0.00	0.027
100.00	-11.59	-1.11	0.00	-46.02	0.00	46.02	2721.83	1360.91	4466.78	2236.71	1.29	-0.13	0.00	0.025
105.00	-10.86	-1.11	0.00	-40.45	0.00	40.45	2673.89	1336.94	4270.46	2138.40	1.43	-0.14	0.00	0.023
110.00	-10.14	-1.11	0.00	-34.89	0.00	34.89	2624.60	1312.30	4076.27	2041.17	1.57	-0.14	0.00	0.021
115.00	-9.44	-1.11	0.00	-29.32	0.00	29.32	2573.99	1286.99	3884.41	1945.09	1.73	-0.15	0.00	0.019
120.00	-8.76	-1.10	0.00	-23.77	0.00	23.77	2522.03	1261.02	3695.03	1850.26	1.89	-0.16	0.00	0.016
120.67	-8.67	-1.10	0.00	-23.04	0.00	23.04	2515.00	1257.50	3669.98	1837.72	1.91	-0.16	0.00	0.016
125.00	-7.81	-1.06	0.00	-18.29	0.00	18.29	2468.74	1234.37	3508.34	1756.78	2.05	-0.16	0.00	0.014
125.17	-7.77	-1.06	0.00	-18.11	0.00	18.11	1203.56	601.78	1739.68	871.13	2.06	-0.16	0.00	0.027
127.00	-5.21	-0.91	0.00	-16.17	0.00	16.17	1198.21	599.10	1712.61	857.58	2.12	-0.16	0.00	0.023
130.00	-4.95	-0.90	0.00	-13.44	0.00	13.44	1189.06	594.53	1668.14	835.31	2.23	-0.17	0.00	0.020
135.00	-4.52	-0.86	0.00	-8.96	0.00	8.96	1172.74	586.37	1593.65	798.01	2.41	-0.17	0.00	0.015
137.00	-3.54	-0.74	0.00	-7.24	0.00	7.24	1165.84	582.92	1563.75	783.04	2.48	-0.17	0.00	0.012
140.00	-3.32	-0.71	0.00	-5.02	0.00	5.02	1155.08	577.54	1518.83	760.54	2.59	-0.18	0.00	0.009
145.00	-2.97	-0.66	0.00	-1.46	0.00	1.46	1136.09	568.04	1443.87	723.01	2.78	-0.18	0.00	0.005
147.00	-0.20	-0.05	0.00	-0.15	0.00	0.15	1128.12	564.06	1413.88	707.99	2.85	-0.18	0.00	0.000
150.00	0.00	-0.05	0.00	0.00	0.00	0.00	1115.76	557.88	1368.94	685.49	2.96	-0.18	0.00	0.000

Wind Loading - Shaft

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 30

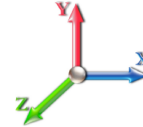


Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 20

Dead Load Factor 1.00

Wind Load Factor 1.00



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	280.85	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	275.88	0.650	0.000	5.00	25.161	16.35	133.9	0.0	1592.2
10.00		1.00	0.85	7.442	8.19	270.91	0.650	0.000	5.00	24.711	16.06	131.5	0.0	1563.5
15.00		1.00	0.85	7.442	8.19	265.93	0.650	0.000	5.00	24.262	15.77	129.1	0.0	1534.8
20.00		1.00	0.90	7.896	8.69	268.81	0.650	0.000	5.00	23.812	15.48	134.4	0.0	1506.1
25.00		1.00	0.95	8.276	9.10	269.95	0.650	0.000	5.00	23.363	15.19	138.2	0.0	1477.4
30.00		1.00	0.98	8.600	9.46	269.83	0.650	0.000	5.00	22.913	14.89	140.9	0.0	1448.7
35.00		1.00	1.01	8.883	9.77	268.81	0.650	0.000	5.00	22.464	14.60	142.7	0.0	1420.0
40.00		1.00	1.04	9.137	10.05	267.11	0.650	0.000	5.00	22.014	14.31	143.8	0.0	1391.3
41.58 Bot - Section 2		1.00	1.05	9.212	10.13	266.45	0.650	0.000	1.58	6.877	4.47	45.3	0.0	434.6
45.00		1.00	1.07	9.366	10.30	264.86	0.650	0.000	3.42	14.940	9.71	100.1	0.0	1755.2
48.00 Top - Section 1		1.00	1.08	9.494	10.44	263.30	0.650	0.000	3.00	12.945	8.41	87.9	0.0	1520.5
50.00		1.00	1.09	9.576	10.53	266.82	0.650	0.000	2.00	8.540	5.55	58.5	0.0	472.7
55.00		1.00	1.12	9.770	10.75	263.81	0.650	0.000	5.00	21.036	13.67	147.0	0.0	1164.3
60.00		1.00	1.14	9.951	10.95	260.49	0.650	0.000	5.00	20.586	13.38	146.5	0.0	1139.2
65.00		1.00	1.16	10.120	11.13	256.89	0.650	0.000	5.00	20.137	13.09	145.7	0.0	1114.1
70.00		1.00	1.17	10.279	11.31	253.06	0.650	0.000	5.00	19.687	12.80	144.7	0.0	1089.0
75.00		1.00	1.19	10.430	11.47	249.02	0.650	0.000	5.00	19.238	12.50	143.5	0.0	1063.9
80.00		1.00	1.21	10.572	11.63	244.79	0.650	0.000	5.00	18.788	12.21	142.0	0.0	1038.8
84.17 Bot - Section 3		1.00	1.22	10.686	11.75	241.13	0.650	0.000	4.17	15.313	9.95	117.0	0.0	846.5
85.00		1.00	1.22	10.708	11.78	240.39	0.650	0.000	0.83	3.069	2.00	23.5	0.0	288.7
89.58 Top - Section 2		1.00	1.24	10.827	11.91	236.22	0.650	0.000	4.58	16.658	10.83	129.0	0.0	1566.7
90.00		1.00	1.24	10.838	11.92	239.37	0.650	0.000	0.42	1.496	0.97	11.6	0.0	59.2
95.00		1.00	1.25	10.962	12.06	234.70	0.650	0.000	5.00	17.704	11.51	138.8	0.0	700.8
100.00		1.00	1.27	11.081	12.19	229.90	0.650	0.000	5.00	17.254	11.22	136.7	0.0	682.9
105.00		1.00	1.28	11.195	12.31	224.98	0.650	0.000	5.00	16.805	10.92	134.5	0.0	665.0
110.00		1.00	1.29	11.305	12.44	219.96	0.650	0.000	5.00	16.355	10.63	132.2	0.0	647.1
115.00		1.00	1.30	11.412	12.55	214.83	0.650	0.000	5.00	15.906	10.34	129.8	0.0	629.1
120.00		1.00	1.32	11.514	12.67	209.61	0.650	0.000	5.00	15.456	10.05	127.2	0.0	611.2
120.67 Bot - Section 4		1.00	1.32	11.528	12.68	208.90	0.650	0.000	0.67	2.027	1.32	16.7	0.0	80.1
125.00		1.00	1.33	11.614	12.78	204.30	0.650	0.000	4.33	13.117	8.53	108.9	0.0	825.4
125.17 Top - Section 3		1.00	1.33	11.617	12.78	204.12	0.650	0.000	0.17	0.498	0.32	4.1	0.0	31.3
127.00 Appurtenance(s)		1.00	1.33	11.653	12.82	204.35	0.650	0.000	1.83	5.442	3.54	45.3	0.0	129.5
130.00		1.00	1.34	11.710	12.88	201.11	0.650	0.000	3.00	8.776	5.70	73.5	0.0	208.9
135.00		1.00	1.35	11.803	12.98	195.64	0.650	0.000	5.00	14.266	9.27	120.4	0.0	339.5
137.00 Appurtenance(s)		1.00	1.35	11.840	13.02	193.44	0.650	0.000	2.00	5.581	3.63	47.2	0.0	132.8
140.00		1.00	1.36	11.894	13.08	190.11	0.650	0.000	3.00	8.236	5.35	70.0	0.0	196.0
145.00		1.00	1.37	11.982	13.18	184.50	0.650	0.000	5.00	13.367	8.69	114.5	0.0	318.0
147.00 Appurtenance(s)		1.00	1.37	12.017	13.22	182.24	0.650	0.000	2.00	5.221	3.39	44.9	0.0	124.2
150.00 Appurtenance(s)		1.00	1.38	12.068	13.27	178.82	0.650	0.000	3.00	7.697	5.00	66.4	0.0	183.0
Totals:									150.00			4,047.8		31,992.1

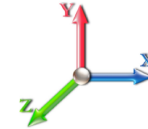
Discrete Appurtenance Forces

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 31



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	Lightning Rod	1	12.110	13.321	1.00	1.00	1.05	35.00	0.000	2.500	13.99	0.00	34.97
2	147.00	APXVAARR24_43-U-NA2	3	12.017	13.219	0.40	0.80	24.29	384.00	0.000	0.000	321.05	0.00	0.00
3	147.00	Platform w/ Hand Rail	1	12.017	13.219	1.00	1.00	32.00	1600.00	0.000	0.000	423.00	0.00	0.00
4	147.00	Ericsson KRY 112 144/1	3	12.017	13.219	0.56	0.80	0.69	33.00	0.000	0.000	9.10	0.00	0.00
5	147.00	Ericsson AIR 21 B4A B2P	3	12.017	13.219	0.69	0.80	12.57	271.20	0.000	0.000	166.15	0.00	0.00
6	147.00	Ericsson AIR 21 B2A B4P	3	12.017	13.219	0.69	0.80	12.57	274.50	0.000	0.000	166.15	0.00	0.00
7	147.00	Kickers w/o Collar	1	12.017	13.219	1.00	1.00	5.33	146.00	0.000	0.000	70.46	0.00	0.00
8	147.00	Radio 4449 B71+B12	3	12.017	13.219	0.54	0.80	3.17	213.00	0.000	0.000	41.87	0.00	0.00
9	137.00	T-Arms	3	11.840	13.024	0.56	0.75	13.82	726.00	0.000	0.000	180.00	0.00	0.00
10	137.00	Kathrein 742 351	6	11.840	13.024	0.49	0.80	15.75	178.80	0.000	0.000	205.16	0.00	0.00
11	127.00	Samsung B5/B13	3	11.653	12.818	0.54	0.80	3.01	210.90	0.000	0.000	38.54	0.00	0.00
12	127.00	Samsung B2/B66A	3	11.653	12.818	0.54	0.80	3.01	253.20	0.000	0.000	38.54	0.00	0.00
13	127.00	Samsung 64T64R	3	11.653	12.818	0.60	0.80	12.24	261.30	0.000	0.000	156.89	0.00	0.00
14	127.00	Platform w/ Handrails	1	11.653	12.818	1.00	1.00	32.00	1600.00	0.000	0.000	410.17	0.00	0.00
15	127.00	RFS DB-T1-6Z-8AB-OZ	2	11.653	12.818	0.57	0.80	5.45	37.80	0.000	0.000	69.89	0.00	0.00
16	127.00	SBNHH-1D45C	6	11.653	12.818	0.67	0.80	45.92	297.60	0.000	0.000	588.65	0.00	0.00
Totals:									6,522.30			2,899.64		

Total Applied Force Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

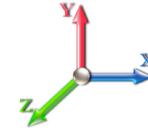


Page: 32

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 20

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		133.88	1742.13	0.00	0.00
10.00		131.49	1713.44	0.00	0.00
15.00		129.10	1684.75	0.00	0.00
20.00		134.44	1656.06	0.00	0.00
25.00		138.24	1627.38	0.00	0.00
30.00		140.89	1598.69	0.00	0.00
35.00		142.68	1570.00	0.00	0.00
40.00		143.81	1541.31	0.00	0.00
41.58		45.30	482.10	0.00	0.00
45.00		100.05	1857.70	0.00	0.00
48.00		87.88	1610.44	0.00	0.00
50.00		58.47	532.72	0.00	0.00
55.00		146.95	1314.24	0.00	0.00
60.00		146.47	1289.14	0.00	0.00
65.00		145.71	1264.03	0.00	0.00
70.00		144.69	1238.93	0.00	0.00
75.00		143.46	1213.83	0.00	0.00
80.00		142.02	1188.73	0.00	0.00
84.17		117.00	971.43	0.00	0.00
85.00		23.50	313.73	0.00	0.00
89.58		128.95	1704.17	0.00	0.00
90.00		11.59	71.71	0.00	0.00
95.00		138.76	850.81	0.00	0.00
100.00		136.70	832.88	0.00	0.00
105.00		134.51	814.95	0.00	0.00
110.00		132.20	797.02	0.00	0.00
115.00		129.78	779.09	0.00	0.00
120.00		127.25	761.16	0.00	0.00
120.67		16.71	100.13	0.00	0.00
125.00		108.92	955.36	0.00	0.00
125.17		4.13	36.31	0.00	0.00
127.00	(18) attachments	1348.04	2845.33	0.00	0.00
130.00		73.47	291.77	0.00	0.00
135.00		120.40	477.67	0.00	0.00
137.00	(9) attachments	432.41	1092.86	0.00	0.00
140.00		70.04	241.18	0.00	0.00
145.00		114.52	393.35	0.00	0.00
147.00	(17) attachments	1242.65	3076.03	0.00	0.00
150.00	(1) attachments	80.40	221.99	0.00	34.97
Totals:		6,947.47	42,754.53	0.00	34.97

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA **Code:** EIA/TIA-222-G 5/19/2021
Site Name: Ledyard **Exposure:** C
Height: 150.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 33

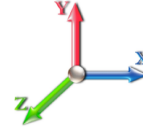


Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 20



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	5.20
15.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.442	0.00	5.20
20.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.896	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	7.896	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.276	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.276	0.00	5.20
30.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.600	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.600	0.00	5.20
35.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.883	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	8.883	0.00	5.20
40.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.137	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.137	0.00	5.20
41.58	Safety Cable	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	9.212	0.00	0.43
41.58	Step bolts (ladder)	Yes	1.58	0.000	0.00	0.00	0.00	0.000	0.000	9.212	0.00	1.65
45.00	Safety Cable	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	9.366	0.00	0.93
45.00	Step bolts (ladder)	Yes	3.42	0.000	0.00	0.00	0.00	0.000	0.000	9.366	0.00	3.55
48.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	9.494	0.00	0.82
48.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	9.494	0.00	3.12
50.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.576	0.00	0.55
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.576	0.00	2.08
55.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.770	0.00	1.37
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.770	0.00	5.20
60.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.951	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	9.951	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.120	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.120	0.00	5.20
70.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.279	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.279	0.00	5.20
75.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.430	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.430	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.572	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.572	0.00	5.20
84.17	Safety Cable	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	10.686	0.00	1.14
84.17	Step bolts (ladder)	Yes	4.17	0.000	0.00	0.00	0.00	0.000	0.000	10.686	0.00	4.33
85.00	Safety Cable	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	10.708	0.00	0.23
85.00	Step bolts (ladder)	Yes	0.83	0.000	0.00	0.00	0.00	0.000	0.000	10.708	0.00	0.87
89.58	Safety Cable	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	10.827	0.00	1.25
89.58	Step bolts (ladder)	Yes	4.58	0.000	0.00	0.00	0.00	0.000	0.000	10.827	0.00	4.77
90.00	Safety Cable	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	10.838	0.00	0.11
90.00	Step bolts (ladder)	Yes	0.42	0.000	0.00	0.00	0.00	0.000	0.000	10.838	0.00	0.43
95.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.962	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	10.962	0.00	5.20
100.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.081	0.00	1.37

Linear Appurtenance Segment Forces (Factored)

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

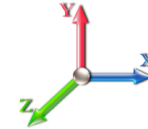


Page: 34

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.081	0.00	5.20
105.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.195	0.00	1.37
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.195	0.00	5.20
110.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.305	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.305	0.00	5.20
115.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.412	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.412	0.00	5.20
120.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.514	0.00	1.37
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.514	0.00	5.20
120.67	Safety Cable	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	11.528	0.00	0.18
120.67	Step bolts (ladder)	Yes	0.67	0.000	0.00	0.00	0.00	0.000	0.000	11.528	0.00	0.69
125.00	Safety Cable	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	11.614	0.00	1.18
125.00	Step bolts (ladder)	Yes	4.33	0.000	0.00	0.00	0.00	0.000	0.000	11.614	0.00	4.51
125.17	Safety Cable	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	11.617	0.00	0.05
125.17	Step bolts (ladder)	Yes	0.17	0.000	0.00	0.00	0.00	0.000	0.000	11.617	0.00	0.17
127.00	Safety Cable	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	11.653	0.00	0.50
127.00	Step bolts (ladder)	Yes	1.83	0.000	0.00	0.00	0.00	0.000	0.000	11.653	0.00	1.91
130.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	11.710	0.00	0.82
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	11.710	0.00	3.12
135.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.803	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.803	0.00	5.20
137.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.840	0.00	0.55
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	11.840	0.00	2.08
140.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	11.894	0.00	0.82
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	11.894	0.00	3.12
145.00	Safety Cable	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.982	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.00	0.00	0.00	0.000	0.000	11.982	0.00	5.20
147.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	12.017	0.00	0.55
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	12.017	0.00	2.08
150.00	Safety Cable	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	12.068	0.00	0.82
150.00	Step bolts (ladder)	Yes	3.00	0.000	0.00	0.00	0.00	0.000	0.000	12.068	0.00	3.12
Totals:											0.0	197.0

Calculated Forces

Structure: CT13076-A-SBA

Code: EIA/TIA-222-G

5/19/2021

Site Name: Ledyard

Exposure: C

Height: 150.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

Page: 35

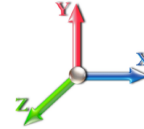


Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 20

Dead Load Factor 1.00

Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-42.75	-6.96	0.00	-713.61	0.00	713.61	6643.18	3321.59	16232.9	8128.53	0.00	0.000	0.000	0.094
5.00	-41.01	-6.84	0.00	-678.83	0.00	678.83	6561.33	3280.67	15744.2	7883.82	0.01	-0.023	0.000	0.092
10.00	-39.29	-6.72	0.00	-644.64	0.00	644.64	6478.15	3239.07	15259.6	7641.15	0.05	-0.047	0.000	0.090
15.00	-37.60	-6.61	0.00	-611.03	0.00	611.03	6393.63	3196.81	14779.2	7400.59	0.11	-0.071	0.000	0.088
20.00	-35.95	-6.48	0.00	-578.00	0.00	578.00	6307.77	3153.88	14303.2	7162.24	0.20	-0.094	0.000	0.086
25.00	-34.32	-6.36	0.00	-545.58	0.00	545.58	6220.57	3110.29	13831.8	6926.18	0.31	-0.118	0.000	0.084
30.00	-32.72	-6.23	0.00	-513.79	0.00	513.79	6132.04	3066.02	13365.1	6692.51	0.45	-0.141	0.000	0.082
35.00	-31.14	-6.09	0.00	-482.66	0.00	482.66	6042.17	3021.08	12903.4	6461.30	0.61	-0.165	0.000	0.080
40.00	-29.60	-5.95	0.00	-452.20	0.00	452.20	5950.96	2975.48	12446.8	6232.66	0.79	-0.189	0.000	0.078
41.58	-29.12	-5.91	0.00	-442.77	0.00	442.77	5921.80	2960.90	12303.3	6160.80	0.86	-0.196	0.000	0.077
45.00	-27.26	-5.81	0.00	-422.58	0.00	422.58	5858.41	2929.21	11995.4	6006.66	1.00	-0.212	0.000	0.075
48.00	-25.65	-5.72	0.00	-405.14	0.00	405.14	4962.21	2481.10	10234.7	5124.96	1.14	-0.226	0.000	0.084
50.00	-25.11	-5.67	0.00	-393.70	0.00	393.70	4932.77	2466.38	10087.1	5051.08	1.24	-0.236	0.000	0.083
55.00	-23.80	-5.53	0.00	-365.35	0.00	365.35	4858.24	2429.12	9721.01	4867.73	1.50	-0.261	0.000	0.080
60.00	-22.51	-5.38	0.00	-337.71	0.00	337.71	4782.37	2391.18	9358.79	4686.35	1.78	-0.285	0.000	0.077
65.00	-21.24	-5.24	0.00	-310.79	0.00	310.79	4705.16	2352.58	9000.68	4507.03	2.10	-0.310	0.000	0.073
70.00	-20.00	-5.10	0.00	-284.59	0.00	284.59	4626.62	2313.31	8646.87	4329.86	2.43	-0.333	0.000	0.070
75.00	-18.79	-4.95	0.00	-259.10	0.00	259.10	4546.74	2273.37	8297.53	4154.93	2.80	-0.357	0.000	0.066
80.00	-17.60	-4.81	0.00	-234.33	0.00	234.33	4465.52	2232.76	7952.84	3982.33	3.18	-0.379	0.000	0.063
84.17	-16.63	-4.69	0.00	-214.29	0.00	214.29	4389.85	2194.93	7657.14	3834.26	3.52	-0.398	0.000	0.060
85.00	-16.31	-4.67	0.00	-210.38	0.00	210.38	4371.58	2185.79	7593.21	3802.25	3.59	-0.402	0.000	0.059
89.58	-14.61	-4.53	0.00	-188.98	0.00	188.98	2817.41	1408.71	4881.90	2444.58	3.99	-0.421	0.000	0.083
90.00	-14.53	-4.52	0.00	-187.09	0.00	187.09	2813.70	1406.85	4865.15	2436.19	4.02	-0.423	0.000	0.082
95.00	-13.68	-4.38	0.00	-164.49	0.00	164.49	2768.43	1384.22	4665.07	2336.00	4.48	-0.450	0.000	0.075
100.00	-12.85	-4.24	0.00	-142.58	0.00	142.58	2721.83	1360.91	4466.78	2236.71	4.97	-0.475	0.000	0.068
105.00	-12.03	-4.11	0.00	-121.35	0.00	121.35	2673.89	1336.94	4270.46	2138.40	5.48	-0.499	0.000	0.061
110.00	-11.24	-3.97	0.00	-100.82	0.00	100.82	2624.60	1312.30	4076.27	2041.17	6.01	-0.520	0.000	0.054
115.00	-10.46	-3.84	0.00	-80.95	0.00	80.95	2573.99	1286.99	3884.41	1945.09	6.57	-0.539	0.000	0.046
120.00	-9.70	-3.71	0.00	-61.76	0.00	61.76	2522.03	1261.02	3695.03	1850.26	7.14	-0.555	0.000	0.037
120.67	-9.60	-3.69	0.00	-59.29	0.00	59.29	2515.00	1257.50	3669.98	1837.72	7.22	-0.557	0.000	0.036
125.00	-8.64	-3.57	0.00	-43.30	0.00	43.30	2468.74	1234.37	3508.34	1756.78	7.73	-0.569	0.000	0.028
125.17	-8.61	-3.57	0.00	-42.71	0.00	42.71	1203.56	601.78	1739.68	871.13	7.75	-0.569	0.000	0.056
127.00	-5.77	-2.19	0.00	-36.17	0.00	36.17	1198.21	599.10	1712.61	857.58	7.97	-0.573	0.000	0.047
130.00	-5.48	-2.12	0.00	-29.59	0.00	29.59	1189.06	594.53	1668.14	835.31	8.33	-0.582	0.000	0.040
135.00	-5.00	-1.99	0.00	-19.01	0.00	19.01	1172.74	586.37	1593.65	798.01	8.95	-0.594	0.000	0.028
137.00	-3.92	-1.55	0.00	-15.03	0.00	15.03	1165.84	582.92	1563.75	783.04	9.20	-0.597	0.000	0.023
140.00	-3.68	-1.48	0.00	-10.38	0.00	10.38	1155.08	577.54	1518.83	760.54	9.57	-0.601	0.000	0.017
145.00	-3.28	-1.36	0.00	-3.00	0.00	3.00	1136.09	568.04	1443.87	723.01	10.21	-0.605	0.000	0.007
147.00	-0.22	-0.08	0.00	-0.28	0.00	0.28	1128.12	564.06	1413.88	707.99	10.46	-0.606	0.000	0.001
150.00	0.00	-0.08	0.00	-0.03	0.00	0.03	1115.76	557.88	1368.94	685.49	10.84	-0.606	0.000	0.000

Final Analysis Summary

Structure: CT13076-A-SBA	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



Page: 36

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 103 mph Wind	32.8	0.00	51.27	0.00	0.00	3376.23
0.9D + 1.6W 103 mph Wind	32.8	0.00	38.45	0.00	0.00	3357.67
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.8	0.00	75.23	0.00	0.00	893.38
1.2D + 1.0E	1.6	0.00	51.31	0.00	0.00	178.42
0.9D + 1.0E	1.6	0.00	38.48	0.00	0.00	177.38
1.0D + 1.0W 60 mph Wind	7.0	0.00	42.75	0.00	0.00	713.61

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 103 mph Wind	-51.27	-32.81	0.00	-3376.2	0.00	-3376.2	6643.18	3321.5	16232.9	8128.53	0.00	0.423
0.9D + 1.6W 103 mph Wind	-38.45	-32.80	0.00	-3357.6	0.00	-3357.6	6643.18	3321.5	16232.9	8128.53	0.00	0.419
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-75.23	-8.77	0.00	-893.38	0.00	-893.38	6643.18	3321.5	16232.9	8128.53	0.00	0.121
1.2D + 1.0E	-17.57	-1.12	0.00	-58.03	0.00	-58.03	2817.41	1408.7	4881.90	2444.58	89.58	0.030
0.9D + 1.0E	-13.17	-1.11	0.00	-57.62	0.00	-57.62	2817.41	1408.7	4881.90	2444.58	89.58	0.028
1.0D + 1.0W 60 mph Wind	-42.75	-6.96	0.00	-713.61	0.00	-713.61	6643.18	3321.5	16232.9	8128.53	0.00	0.094

Base Plate Summary

Structure: CT13076-A-SB	Code: EIA/TIA-222-G	5/19/2021
Site Name: Ledyard	Exposure: C	
Height: 150.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 37



Reactions	Base Plate	Anchor Bolts
Original Design	Yield (ksi): 50.00	Bolt Circle: 65.00
Moment (kip-ft): 6054.10	Width (in): 69.50	Number Bolts: 34.00
Axial (kip): 94.70	Style: Round	Bolt Type: 1.5" F1554 105
Shear (kip): 55.40	Polygon Sides: 0.00	Bolt Diameter (in): 1.50
Analysis (1.2D + 1.6W)	Clip Length (in): 0.00	Yield (ksi): 105.00
Moment (kip-ft): 3376.23	Effective Len (in): 8.33	Ultimate (ksi): 125.00
Axial (kip): 51.27	Moment (kip-in): 188.86	Arrangement: Radial
Shear (kip): 32.81	Allow Stress (ksi): 67.50	Cluster Dist (in): 0.00
	Applied Stress (ksi): 44.55	Start Angle (deg): 0.00
	Stress Ratio: 0.66	Compression
		Force (kip): 75.54
		Allowable (kip): 141.00
		Ratio: 0.55
		Tension
		Force (kip): 71.12
		Allowable (kip): 141.00
		Ratio: 0.52

	Monopole Mat Foundation Design		Date	
			5/19/2021	
	Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
	Site Name:		Structure Height (Ft.):	150
	Site Number:	CT13076-A-SBA	Engineer Name:	T. Alajaj
	Engr. Number:	107649	Engineer Login ID:	

Foundation Info Obtained from:

Structure Type:

Analysis or Design?

Base Reactions (Factored):

Axial Load (Kips):	51.3	Shear Force (Kips):	32.8
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3376.2

Allowable overstress %: 5.0%

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	5.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.00
Length of Pad (ft.):	24.5	Width of Pad (ft.):	24.5

Final Length of pad (ft)	24.5	Final width of pad (ft):	24.5
--------------------------	------	--------------------------	------

Material Properties and Rebar Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	10	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	32	Tie Spacing (in):	3.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

Qty. of Rebar in Pad (L):	26	Qty. of Rebar in Pad (W):	26
---------------------------	----	---------------------------	----

Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	26	Qty. of Rebar in Pad (W):	26
---------------------------	----	---------------------------	----

Apply 1.35 factor for e/w Per G: 1.35

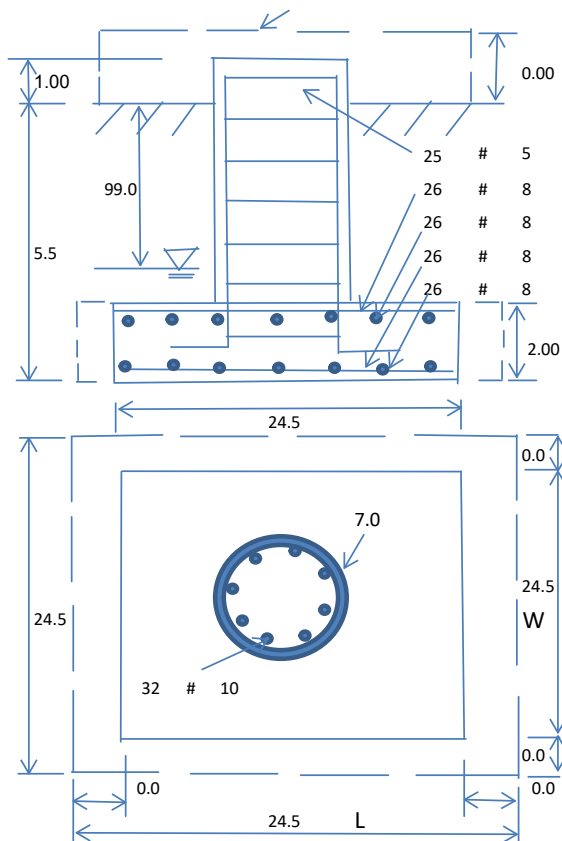
Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	50.0	Pcf	
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:
Ultimate Bearing Pressure (psf):	10000	Ultimate Skin Friction:	0	Psf	Angle from Botm of Pad:
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Botm of Pad:
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00		

Foundation Analysis and Design:	Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	1966.18	Total Dry Soil Weight (Kips):	216.28	
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00	
Total Effective Soil Weight (Kips):	216.28	Weight from the Concrete Block at Top (K):	0.00	
Total Dry Concrete Volume (cu. Ft.):	1373.68	Total Dry Concrete Weight (Kips):	206.05	
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00	
Total Effective Concrete Weight (Kips):	206.05	Total Vertical Load on Base (Kips):	473.63	

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):	2761	< Allowable Factored Soil Bearing (psf):	7500	0.37	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	5284.6	> Design Factored Momont (kips-ft):	3589	0.68	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.47				OK!



Check the capacities of Reinforcing Concrete:

Strength reduction factor (Flexure and axial tension):

0.90

Strength reduction factor (Shear):

0.75

Strength reduction factor (Axial compression):

0.65

Wind Load Factor on Concrete Design:

1.00

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

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

1.27

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

0.31

Calculated Moment Capacity (Mn,Kips-Ft):

6761.6

>

Design Factored Moment (Mu, Kips-F

3523.8

0.52

OK!

Calculated Shear Capacity (Kips):

1359.0

>

Design Factored Shear (Kips):

32.8

0.02

OK!

Calculated Tension Capacity (Tn, Kips):

2194.6

>

Design Factored Tension (Tu Kips):

0.0

0.00

OK!

Calculated Compression Capacity (Pn, Kips):

9726.0

>

Design Factored Axial Load (Pu Kips):

51.3

0.01

OK!

Moment & Axial Strength Combination:

0.52

OK!

Check Tie Spacing (Design/Required):

0.25

OK!

Pier Reinforcement Ratio:

0.007

Reinforcement Ratio is satisfied per ACI

(2).Concrete Pad:

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

571.8

>

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

236.3

0.41

OK!

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

571.8

>

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

236.3

0.41

OK!

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

565.5

>

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

242.4

0.43

OK!

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

0.0034

OK!

Lower Steel Pad Reinf. Ratio (W-Direc

0.0034

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

1837.8

>

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

1146.7

0.62

OK!

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

1837.8

>

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

1146.7

0.62

OK!

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

2578.7

>

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

1621.7

0.63

OK!

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

0.0034

OK!

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

0.0034

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

1837.8

>

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

523.6

0.28

OK!

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

1837.8

>

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

523.6

0.28

OK!

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

2578.7

>

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

491.7

0.19

OK!

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

Moment transferred by punching shear:

1350.5

k-ft.

Max. factored shear stress v_{u_CD} :

2.9

Psi

Max. factored shear stress v_{u_AB} :

15.6

Psi

Factored shear Strength ϕv_n :

189.7

Psi

Max. factored shear stress v_u :

15.6

Psi

Check Usage of Punching Shear Capacity:

0.08

OK!



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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10055829
Maser Consulting Connecticut Project #: 21777102A

April 28, 2021

Site Information

Site ID: 468220-VZW / LEDYARD NORTH CT - A
Site Name: LEDYARD NORTH CT - A
Carrier Name: Verizon Wireless
Address: 12 Orchard Drive
Ledyard, Connecticut 06335
New London County
Latitude: 41.46827777°
Longitude: -72.05447222°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 12.50-Ft Combined Sector Frame

FUZE ID # 16244629

Analysis Results

Combined Sector Frame: **87.9% 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: Conner Hoge

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: 5010222, dated February 08, 2021
Mount Mapping Report	Hudson Design Group, LLC, Site ID: 468220, dated February 09, 2021
Previous Mount Analysis Report	Maser Consulting Project #:21777102A, dated March 16, 2021
Mount Modification Drawings	Maser Consulting Project #:21777102A, dated April 28, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 126 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.994
Seismic Parameters:	S_s : 0.192 S_1 : 0.053
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
124.30	127.00	3	Samsung	VZS01	Added
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Commscope	SBNHH-1D45C	Retained
		2	Raycap	RRFDC-3315-PF-48	

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Face Horizontal</i>	<i>56.0%</i>	<i>Pass</i>
<i>Standoff Tube</i>	<i>35.0%</i>	<i>Pass</i>
<i>Mast Pipe</i>	<i>49.0%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>29.0%</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>39.0%</i>	<i>Pass</i>
<i>Connection Angle</i>	<i>87.9%</i>	<i>Pass</i>
<i>Standoff Vertical</i>	<i>15.0%</i>	<i>Pass</i>
<i>Face Vertical</i>	<i>37.0%</i>	<i>Pass</i>
<i>Tieback</i>	<i>20.0%</i>	<i>Pass</i>
<i>T-Arm</i>	<i>34.0%</i>	<i>Pass</i>
<i>Mount Connection</i>	<i>44.0%</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	87.9%
---	--------------

Recommendation:

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

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

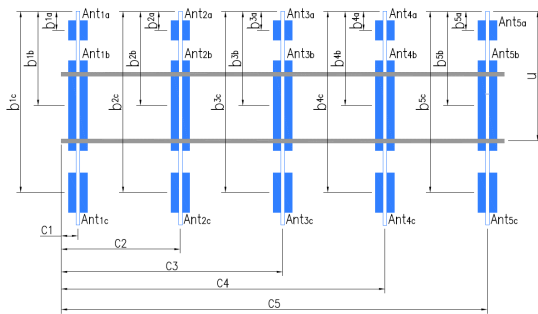
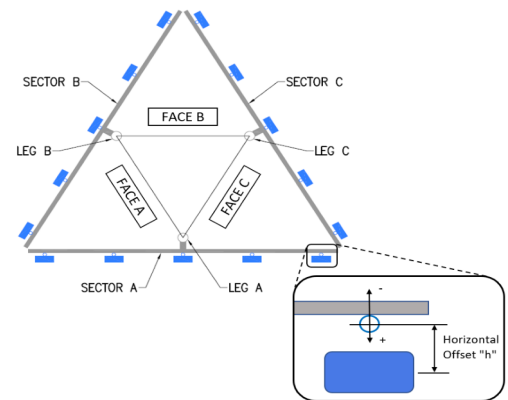
Attachments:

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



FCC #
1257191

Tower Owner:	SBA TOWERS	Mapping Date:	2/9/2021
Site Name:	LEDYARD NORTH CT	Tower Type:	Monopole
Site Number or ID:	468220	Tower Height (Ft.):	150
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	124.3



Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2" STD. X 96" LONG	79.00	12.00	C1	PIPE 2" STD. X 96" LONG	79.00	12.00
A2	PIPE 2" STD. X 96" LONG	79.00	79.00	C2	PIPE 2" STD. X 96" LONG	79.00	79.00
A3	PIPE 2" STD. X 96" LONG	79.00	137.00	C3	PIPE 2" STD. X 96" LONG	79.00	137.00
A4				C4			
A5				C5			
A6				C6			
B1	PIPE 2" STD. X 96" LONG	79.00	12.00	D1			
B2	PIPE 2" STD. X 96" LONG	79.00	79.00	D2			
B3	PIPE 2" STD. X 96" LONG	79.00	137.00	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. :							21.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				35

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B															
Sector A:	20.00	Deg	Leg A:		Deg			Ant _{1a}	B13 RRH 4x30	11.00	5.50	36.00		126.967	26.00	-7.00		110					
Sector B:	180.00	Deg	Leg B:		Deg			Ant _{1b}	SBNHH-1D45C	18.00	6.50	96.00		126.383	33.00	9.00	180.00	110					
								Ant _{1c}															
Sector C:	280.00	Deg	Leg C:		Deg			Ant _{2a}															
Sector D:		Deg	Leg D:		Deg			Ant _{2b}	SBNHH-1D45C	18.00	6.50	96.00		126.383	33.00	9.00	180.00	110					
								Ant _{2c}															
Climbing Facility Information								Ant _{3a}															
Location:	120.00	Deg	Outside Face A					Ant _{3b}	LNx-6514DS-A1M	12.00	7.00	80.00		126.633	30.00	8.00	180.00	110					
Climbing Facility	Corrosion Type:		Good condition.					Ant _{3c}															
	Access:		Climbing path was obstructed.					Ant _{4a}															
	Condition:		Good condition.					Ant _{4b}															
								Ant _{4c}															
								Ant _{5a}															
								Ant _{5b}															
								Ant _{5c}															
								Ant on Standoff	B4 RRH 2x60-4R	12.00	9.00	21.50						110					
								Ant on Standoff	OVP BOX	16.00	11.00	27.00						110					
								Ant on Tower															
								Ant on Tower															
								Sector C															
								Ant _{1a}	B13 RRH 4x30	11.00	5.50	36.00		126.967	26.00	-7.00		111					
								Ant _{1b}	SBNHH-1D45C	18.00	6.50	96.00		126.383	33.00	9.00	280.00	111					
								Ant _{1c}															
								Ant _{2a}															
								Ant _{2b}	SBNHH-1D45C	18.00	6.50	96.00		126.383	33.00	9.00	280.00	111					
								Ant _{2c}															
								Ant _{3a}															
								Ant _{3b}	LNx-6514DS-A1M	12.00	7.00	80.00		126.633	30.00	8.00	280.00	112					
								Ant _{3c}															
								Ant _{4a}															
								Ant _{4b}															
								Ant _{4c}															
								Ant _{5a}															
								Ant _{5b}															
								Ant _{5c}															
								Ant on Standoff	B4 RRH 2x60-4R	12.00	9.00	21.50						111					
								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	CUSTOMER FILE #86C-566 57976EH, SITE NAME OPTSITE, INC 06C3664 0607, MODEL, 150 FT., MANUFACTURED TAPERED STEEL POLE, DRAWING # 807C239	26
3	(2) 1-1/4Ø HYBRID CABLES	129
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)

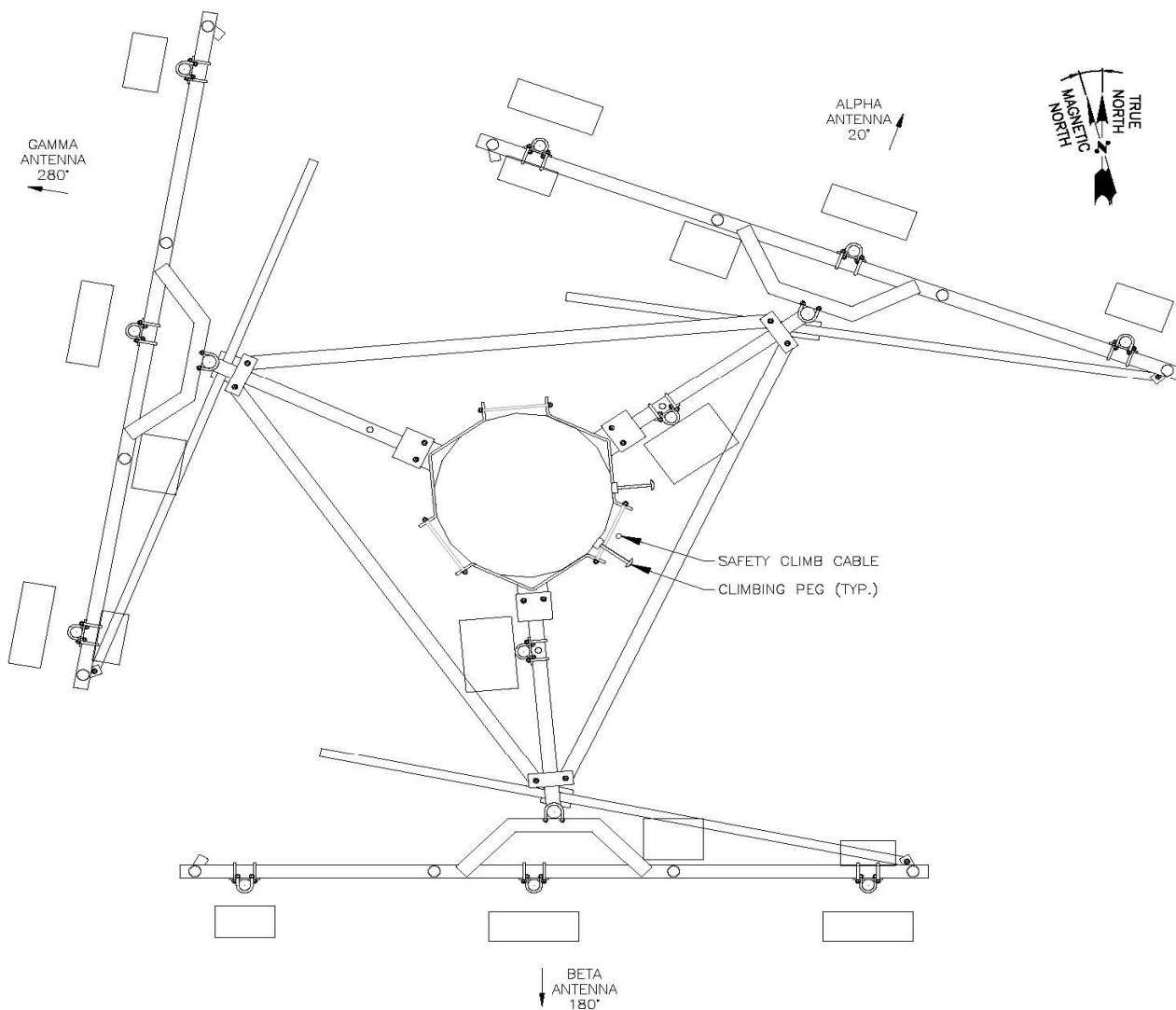
FCC #

1257191

Tower Owner:	SBA TOWERS	Mapping Date:	2/9/2021
Site Name:	LEDYARD NORTH CT	Tower Type:	Monopole
Site Number or ID:	468220	Tower Height (Ft.):	150
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	124.3

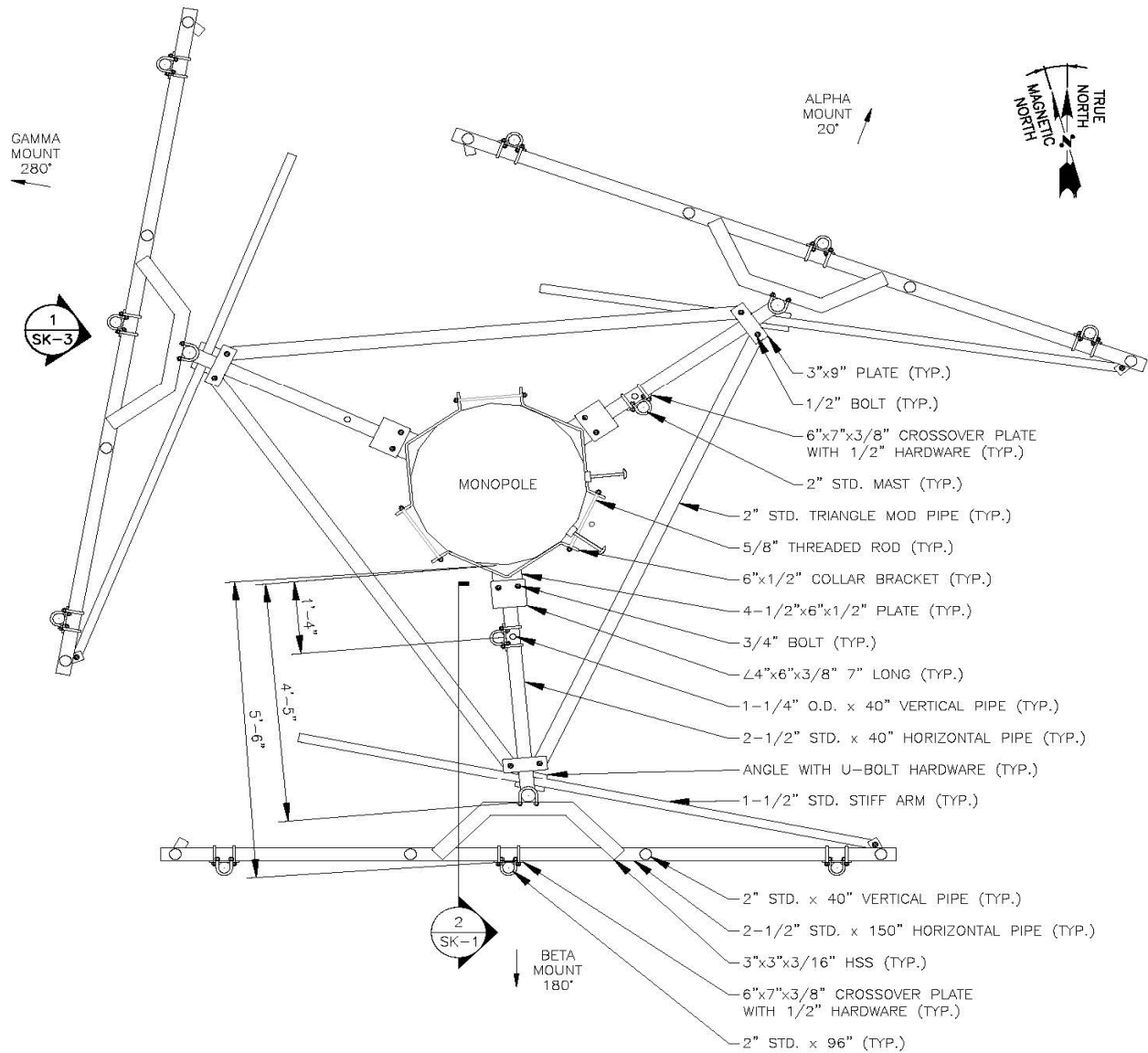
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please Insert Sketches of the Antenna Mount



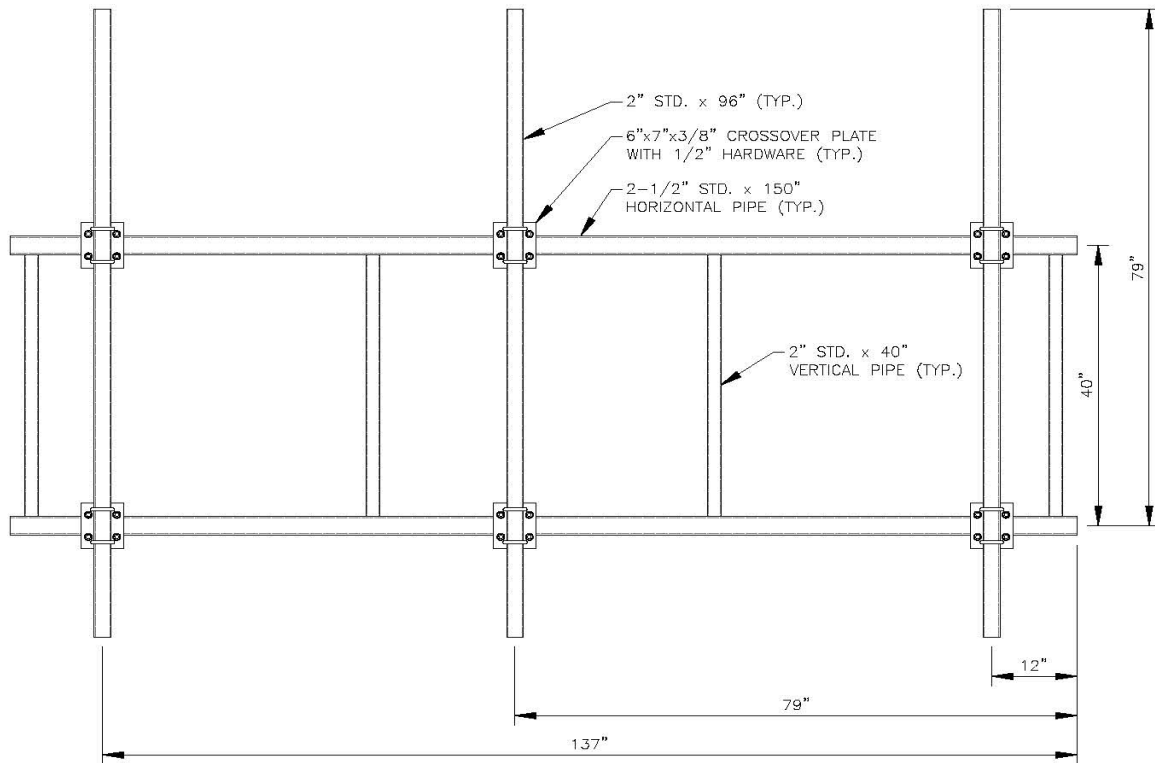
ANTENNA PLAN
SCALE: N.T.S.

1
SK-1



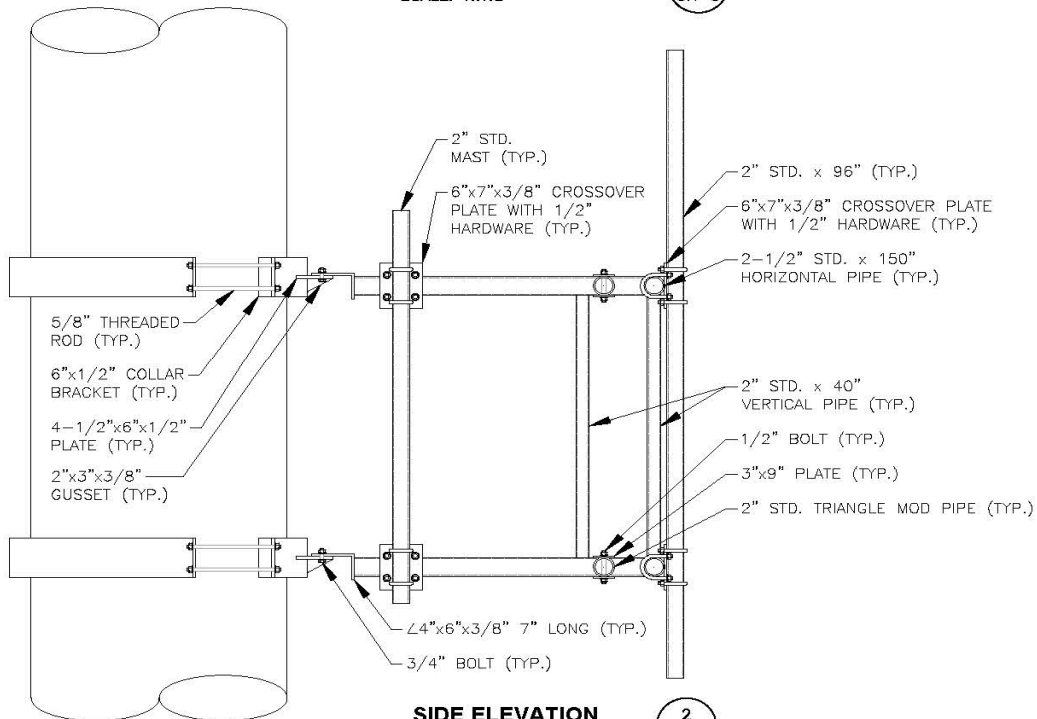
MOUNT PLAN
SCALE: N.T.S.

1
SK-2



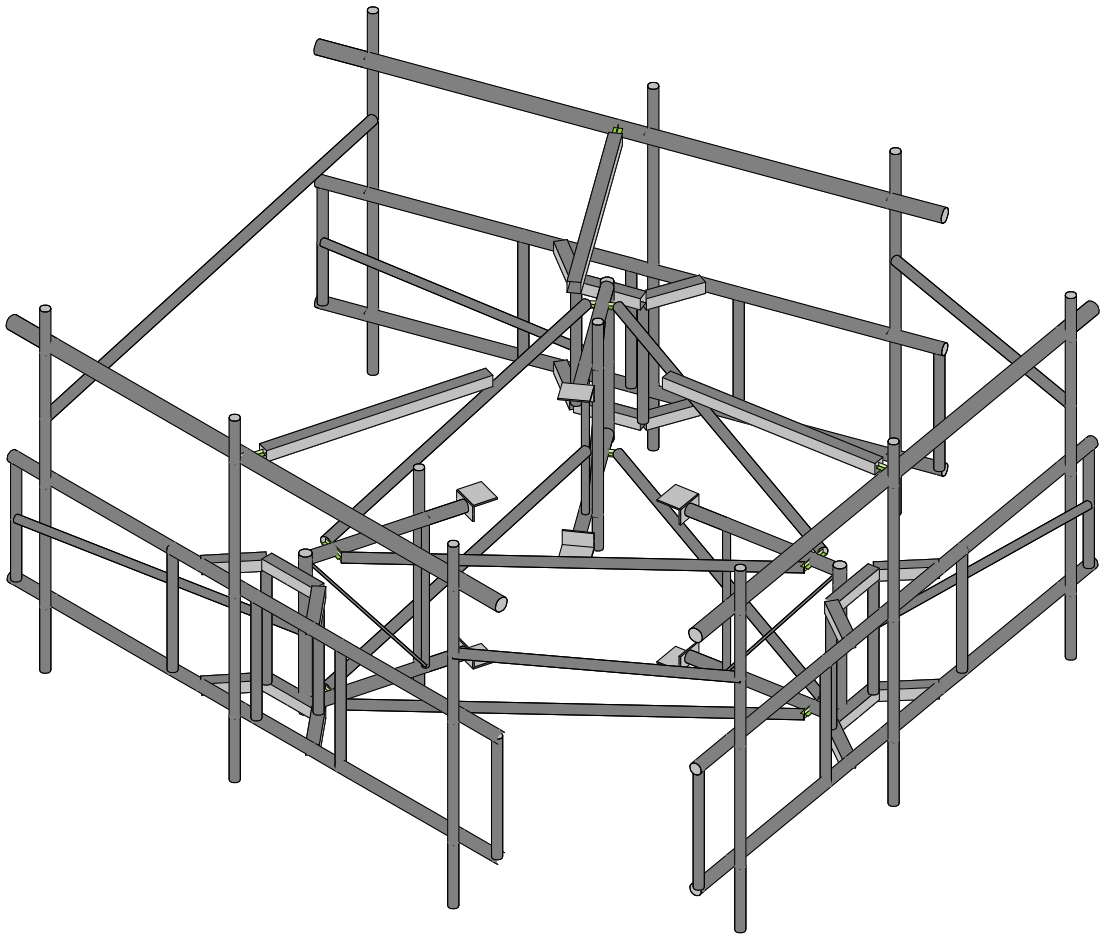
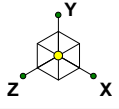
FRONT ELEVATION
SCALE: N.T.S

1
SK-3



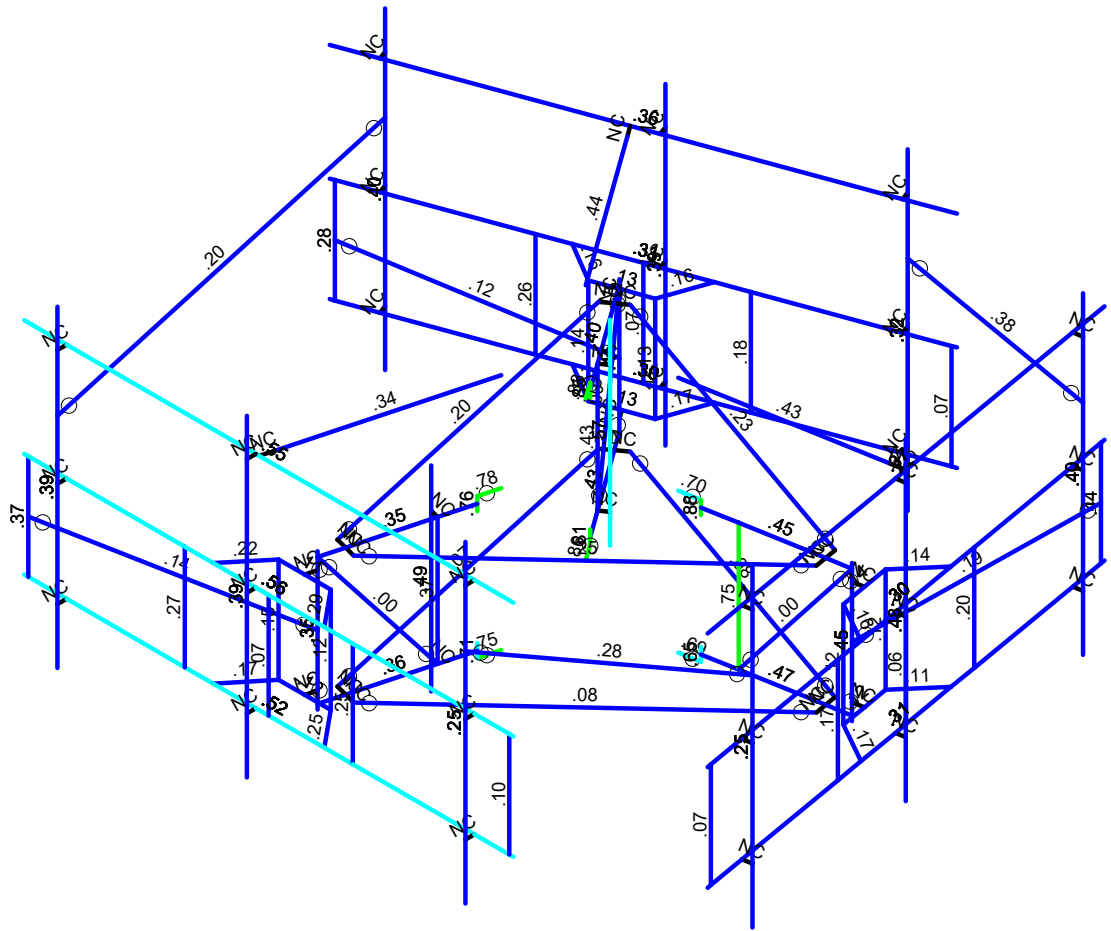
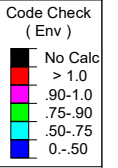
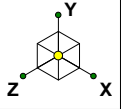
SIDE ELEVATION
SCALE: N.T.S

2
SK-3



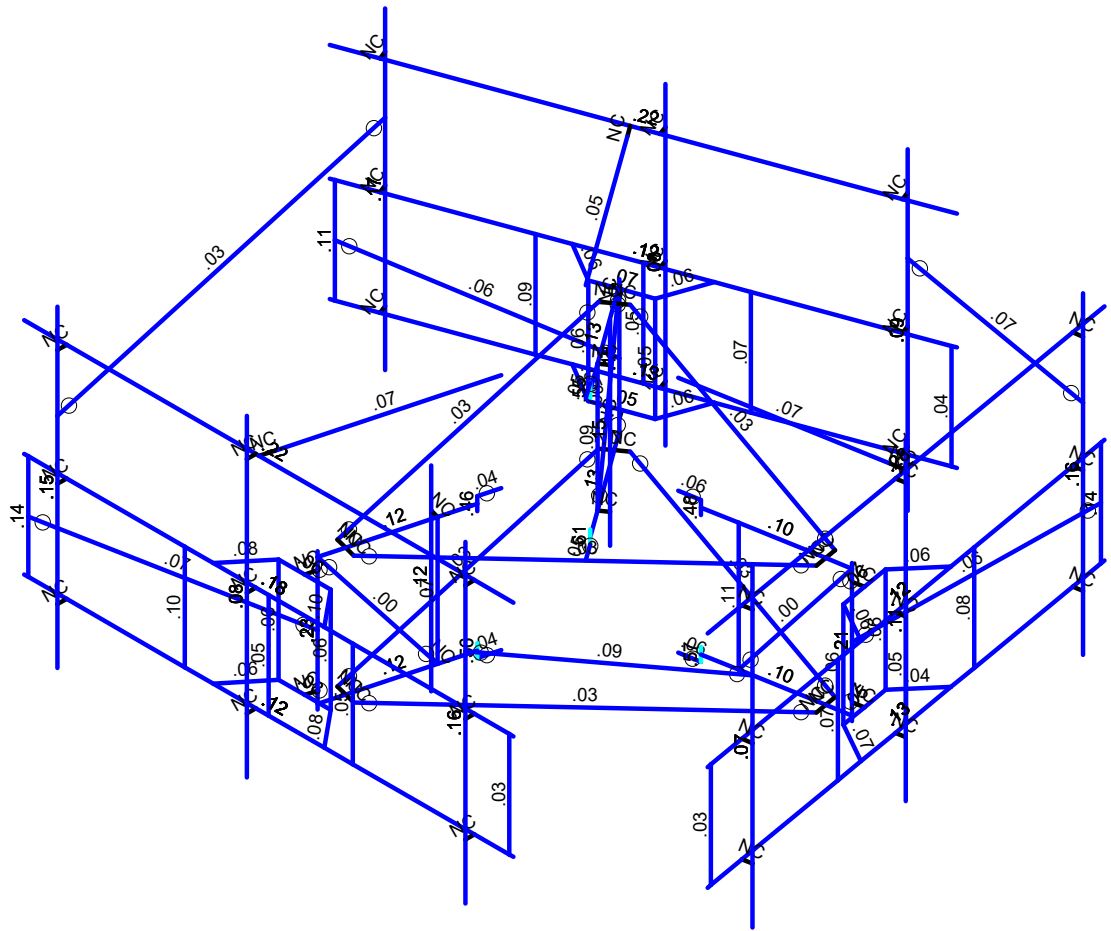
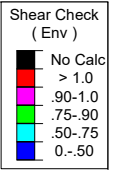
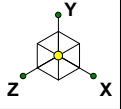
Envelope Only Solution

Maser Consulting	468220-VZW_MT_LO_H	SK - 1
		Apr 22, 2021 at 4:40 PM
Project No. 10055829		Mod_468220-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468220-VZW_MT_LO_H	SK - 2
		Apr 22, 2021 at 4:40 PM
Project No. 10055829		Mod_468220-VZW_MT_LO_H.r3d

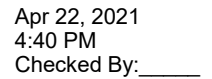


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468220-VZW_MT_LO_H	SK - 3
		Apr 22, 2021 at 4:40 PM
Project No. 10055829		Mod_468220-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					78			
2	Antenna Di	None					78			
3	Antenna Wo (0 Deg)	None					78			
4	Antenna Wo (30 Deg)	None					78			
5	Antenna Wo (60 Deg)	None					78			
6	Antenna Wo (90 Deg)	None					78			
7	Antenna Wo (120 Deg)	None					78			
8	Antenna Wo (150 Deg)	None					78			
9	Antenna Wo (180 Deg)	None					78			
10	Antenna Wo (210 Deg)	None					78			
11	Antenna Wo (240 Deg)	None					78			
12	Antenna Wo (270 Deg)	None					78			
13	Antenna Wo (300 Deg)	None					78			
14	Antenna Wo (330 Deg)	None					78			
15	Antenna Wi (0 Deg)	None					78			
16	Antenna Wi (30 Deg)	None					78			
17	Antenna Wi (60 Deg)	None					78			
18	Antenna Wi (90 Deg)	None					78			
19	Antenna Wi (120 Deg)	None					78			
20	Antenna Wi (150 Deg)	None					78			
21	Antenna Wi (180 Deg)	None					78			
22	Antenna Wi (210 Deg)	None					78			
23	Antenna Wi (240 Deg)	None					78			
24	Antenna Wi (270 Deg)	None					78			
25	Antenna Wi (300 Deg)	None					78			
26	Antenna Wi (330 Deg)	None					78			
27	Antenna Wm (0 Deg)	None					78			
28	Antenna Wm (30 Deg)	None					78			
29	Antenna Wm (60 Deg)	None					78			
30	Antenna Wm (90 Deg)	None					78			
31	Antenna Wm (120 Deg)	None					78			
32	Antenna Wm (150 Deg)	None					78			
33	Antenna Wm (180 Deg)	None					78			
34	Antenna Wm (210 Deg)	None					78			
35	Antenna Wm (240 Deg)	None					78			
36	Antenna Wm (270 Deg)	None					78			
37	Antenna Wm (300 Deg)	None					78			
38	Antenna Wm (330 Deg)	None					78			
39	Structure D	None		-1						
40	Structure Di	None						101		
41	Structure Wo (0 Deg)	None						202		
42	Structure Wo (30 Deg)	None						202		
43	Structure Wo (60 Deg)	None						202		
44	Structure Wo (90 Deg)	None						202		
45	Structure Wo (120 Deg)	None						202		
46	Structure Wo (150 Deg)	None						202		
47	Structure Wo (180 Deg)	None						202		
48	Structure Wo (210 Deg)	None						202		
49	Structure Wo (240 Deg)	None						202		
50	Structure Wo (270 Deg)	None						202		
51	Structure Wo (300 Deg)	None						202		
52	Structure Wo (330 Deg)	None						202		
53	Structure Wi (0 Deg)	None						202		
54	Structure Wi (30 Deg)	None						202		
55	Structure Wi (60 Deg)	None						202		
56	Structure Wi (90 Deg)	None						202		



RISA-3D Version 17.0.4 [R:\.....\Mount Fix\Rev. 0\RISA\Mod 468220-VZW MT LO H.r3d] Page 2

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 31	1	69	1											
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 32	1	70	1											
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 33	1	71	1											
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 34	1	72	1											
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 35	1	73	1											
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 36	1	74	1											
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 37	1	75	1											
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y			1 1.2 39	1.2	77	1.5 38	1	76	1											
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 27	1	65	1											
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 28	1	66	1											
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 29	1	67	1											
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 30	1	68	1											
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 31	1	69	1											
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 32	1	70	1											
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 33	1	71	1											
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 34	1	72	1											
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 35	1	73	1											
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 36	1	74	1											
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y			1 1.2 39	1.2	78	1.5 37	1	75	1											
48	1.2D + 1.5Lm2 + 1.0...	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 + 1.0E...		Y			1 1.2 39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	.5	SY	1	SZ	-8...										
55	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	-.1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0E...		Y			1 1.2 39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
1	N179A	-7.797522	-3.125	6.692098	0	
2	N180	4.702478	-3.125	6.692098	0	
3	N181	-7.797522	-0.458333	6.692098	0	
4	N182	4.702478	-0.458333	6.692098	0	
5	N189	-1.547522	-3.125	5.775431	0	
6	N190	-1.547522	-0.458333	5.775431	0	
7	N192	-0.130855	-0.458333	6.692098	0	
8	N194	-2.964189	-0.458333	6.692098	0	
9	N196	-0.880856	-0.458333	5.775431	0	
10	N198	-2.214189	-0.458333	5.775431	0	
11	N199	-1.477425	-3.125	5.513827	0	
12	N200	-1.477425	-0.458333	5.513827	0	
13	N201	-1.477425	-0.041667	5.513827	0	
14	N202	-1.477425	-3.541667	5.513827	0	
15	N203	-1.477425	-0.166667	5.513827	0	
16	N204	-1.477425	-3.416667	5.513827	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
17	N205	-0.614695	-0.166667	2.294074	0	
18	N206	-0.614695	-3.416667	2.294074	0	
19	N211	3.702478	-0.458333	6.692098	0	
20	N212	3.702478	-0.458333	6.921265	0	
21	N213	3.702478	-3.125	6.692098	0	
22	N214	3.702478	-3.125	6.921265	0	
23	N215	3.702478	3.458333	6.921265	0	
24	N216	3.702478	-4.541667	6.921265	0	
25	N32	-0.130855	-3.125	6.692098	0	
26	N33	-2.964189	-3.125	6.692098	0	
27	N34	-0.880856	-3.125	5.775431	0	
28	N35	-2.214189	-3.125	5.775431	0	
29	N31	-0.614695	-3.25	2.294074	0	
30	N32A	-0.614695	-3.583333	2.294074	0	
31	N34A	-0.485286	-3.583333	1.811111	0	
32	N32B	-0.614695	0.	2.294074	0	
33	N33A	-0.614695	-0.333333	2.294074	0	
34	N36	-0.485286	0.	1.811111	0	
35	N35A	-0.830378	-0.166667	3.099012	0	
36	N36A	-0.830378	-3.416667	3.099012	0	
37	N37	-1.547522	-3.125	6.692098	0	
38	N38	-1.547522	-0.458333	6.692098	0	
39	N39	-7.693356	-3.125	6.692098	0	
40	N40	-7.693356	-0.458333	6.692098	0	
41	N43	-3.693356	-3.125	6.692098	0	
42	N44	-3.693356	-0.458333	6.692098	0	
43	N43A	4.598311	-3.125	6.692098	0	
44	N44A	4.598311	-0.458333	6.692098	0	
45	N45	0.598311	-3.125	6.692098	0	
46	N46	0.598311	-0.458333	6.692098	0	
47	N47	-1.326448	-0.166667	4.95037	0	
48	N48	-1.044719	-0.166667	5.025859	0	
49	N49	-1.608176	-0.166667	4.874881	0	
50	N50	-1.326448	-3.416667	4.95037	0	
51	N51	-1.044719	-3.416667	5.025859	0	
52	N52	-1.608176	-3.416667	4.874881	0	
53	N54	-1.477425	-1.791667	5.513827	0	
54	N55	-1.880855	-0.458333	6.692098	0	
55	N56	-1.880855	-0.458333	6.921265	0	
56	N57	-1.880855	-3.125	6.692098	0	
57	N58	-1.880855	-3.125	6.921265	0	
58	N59	-1.880855	3.458333	6.921265	0	
59	N60	-1.880855	-4.541667	6.921265	0	
60	N61	-6.714189	-0.458333	6.692098	0	
61	N62	-6.714189	-0.458333	6.921265	0	
62	N63	-6.714189	-3.125	6.692098	0	
63	N64	-6.714189	-3.125	6.921265	0	
64	N65	-6.714189	3.458333	6.921265	0	
65	N66	-6.714189	-4.541667	6.921265	0	
66	CP	0.	0	-0.	0	
67	N293A	1.834027	0.	-0.389834	0	
68	N331	-1.393397	0.	-1.25462	0	
69	N306A	1.760464	-3.125	-7.578807	0	
70	N307B	-9.985694	-3.125	-3.303555	0	
71	N308A	1.760464	-0.458333	-7.578807	0	
72	N309B	-9.985694	-0.458333	-3.303555	0	
73	N310A	-3.799096	-3.125	-4.579796	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
74	N311B	-3.799096	-0.458333	-4.579796	0	
75	N312A	-5.443846	-0.458333	-4.956652	0	
76	N313B	-2.781384	-0.458333	-5.925709	0	
77	N314A	-4.425558	-0.458333	-4.351783	0	
78	N315B	-3.172635	-0.458333	-4.807809	0	
79	N316A	-3.640345	-3.125	-4.360368	0	
80	N317A	-3.640345	-0.458333	-4.360368	0	
81	N318	-3.640345	-0.041667	-4.360368	0	
82	N319A	-3.640345	-3.541667	-4.360368	0	
83	N320	-3.640345	-0.166667	-4.360368	0	
84	N321A	-3.640345	-3.416667	-4.360368	0	
85	N322	-1.686477	-0.166667	-1.659718	0	
86	N323A	-1.686477	-3.416667	-1.659718	0	
87	N324	-9.046001	-0.458333	-3.645575	0	
88	N325A	-9.124381	-0.458333	-3.860921	0	
89	N326	-9.046001	-3.125	-3.645575	0	
90	N327A	-9.124381	-3.125	-3.860921	0	
91	N328	-9.124381	3.458333	-3.860921	0	
92	N329A	-9.124381	-4.541667	-3.860921	0	
93	N330	-5.443846	-3.125	-4.956652	0	
94	N331A	-2.781384	-3.125	-5.925709	0	
95	N332	-4.425558	-3.125	-4.351783	0	
96	N333A	-3.172635	-3.125	-4.807809	0	
97	N334	-1.686477	-3.25	-1.659718	0	
98	N335A	-1.686477	-3.583333	-1.659718	0	
99	N336	-1.393397	-3.583333	-1.25462	0	
100	N337A	-1.686477	0	-1.659718	0	
101	N338	-1.686477	-0.333333	-1.659718	0	
102	N340	-2.174944	-0.166667	-2.33488	0	
103	N341A	-2.174944	-3.416667	-2.33488	0	
104	N342	-4.112615	-3.125	-5.441181	0	
105	N343A	-4.112615	-0.458333	-5.441181	0	
106	N344	1.662579	-3.125	-7.54318	0	
107	N345A	1.662579	-0.458333	-7.54318	0	
108	N346	-2.096191	-3.125	-6.175099	0	
109	N347	-2.096191	-0.458333	-6.175099	0	
110	N348	-9.887809	-3.125	-3.339182	0	
111	N349	-9.887809	-0.458333	-3.339182	0	
112	N350	-6.129039	-3.125	-4.707263	0	
113	N351	-6.129039	-0.458333	-4.707263	0	
114	N352	-3.298418	-0.166667	-3.887754	0	
115	N353	-3.534725	-0.166667	-3.716791	0	
116	N354	-3.062111	-0.166667	-4.058718	0	
117	N355	-3.298418	-3.416667	-3.887754	0	
118	N356	-3.534725	-3.416667	-3.716791	0	
119	N357	-3.062111	-3.416667	-4.058718	0	
120	N358	-9.887809	-1.791667	-3.339182	0	
121	N360	-3.799384	-0.458333	-5.555188	0	
122	N361	-3.877764	-0.458333	-5.770534	0	
123	N362	-3.799384	-3.125	-5.555188	0	
124	N363	-3.877764	-3.125	-5.770534	0	
125	N364	-3.877764	3.458333	-5.770534	0	
126	N365	-3.877764	-4.541667	-5.770534	0	
127	N366	0.742464	-0.458333	-7.208285	0	
128	N367	0.664084	-0.458333	-7.423631	0	
129	N368	0.742464	-3.125	-7.208285	0	
130	N369	0.664084	-3.125	-7.423631	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
131	N370	0.664084	3.458333	-7.423631	0	
132	N371	0.664084	-4.541667	-7.423631	0	
133	N372A	7.863883	-3.125	4.893355	0	
134	N373	5.693281	-3.125	-7.416741	0	
135	N374	7.863883	-0.458333	4.893355	0	
136	N375	5.693281	-0.458333	-7.416741	0	
137	N376	5.875842	-3.125	-1.102515	0	
138	N377	5.875842	-0.458333	-1.102515	0	
139	N378	6.532581	-0.458333	-2.656837	0	
140	N379	7.024584	-0.458333	0.133451	0	
141	N380	5.760076	-0.458333	-1.759054	0	
142	N381	5.991607	-0.458333	-0.445977	0	
143	N382	5.609123	-3.125	-1.055486	0	
144	N383	5.609123	-0.458333	-1.055486	0	
145	N384	5.609123	-0.041667	-1.055486	0	
146	N385	5.609123	-3.541667	-1.055486	0	
147	N386	5.609123	-0.166667	-1.055486	0	
148	N387	5.609123	-3.416667	-1.055486	0	
149	N388	2.326431	-0.166667	-0.476659	0	
150	N389	2.326431	-3.416667	-0.476659	0	
151	N390	5.866929	-0.458333	-6.431934	0	
152	N391	6.092615	-0.458333	-6.471728	0	
153	N392	5.866929	-3.125	-6.431934	0	
154	N393	6.092615	-3.125	-6.471728	0	
155	N394	6.092615	3.458333	-6.471728	0	
156	N395	6.092615	-4.541667	-6.471728	0	
157	N396	6.532581	-3.125	-2.656837	0	
158	N397	7.024584	-3.125	0.133451	0	
159	N398	5.760076	-3.125	-1.759054	0	
160	N399	5.991607	-3.125	-0.445977	0	
161	N400	2.326431	-3.25	-0.476659	0	
162	N401	2.326431	-3.583333	-0.476659	0	
163	N402	1.834027	-3.583333	-0.389834	0	
164	N403	2.326431	0.	-0.476659	0	
165	N404	2.326431	-0.333333	-0.476659	0	
166	N406	3.147104	-0.166667	-0.621365	0	
167	N407	3.147104	-3.416667	-0.621365	0	
168	N408	6.778582	-3.125	-1.261693	0	
169	N409	6.778582	-0.458333	-1.261693	0	
170	N410	7.845795	-3.125	4.790771	0	
171	N411	7.845795	-0.458333	4.790771	0	
172	N412	7.151202	-3.125	0.85154	0	
173	N413	7.151202	-0.458333	0.85154	0	
174	N414	5.71137	-3.125	-7.314157	0	
175	N415	5.71137	-0.458333	-7.314157	0	
176	N416	6.405962	-3.125	-3.374926	0	
177	N417	6.405962	-0.458333	-3.374926	0	
178	N418	5.034652	-0.166667	-0.954191	0	
179	N419	4.984005	-0.166667	-1.241427	0	
180	N420	5.085299	-0.166667	-0.666955	0	
181	N421	5.034652	-3.416667	-0.954191	0	
182	N422	4.984005	-3.416667	-1.241427	0	
183	N423	5.085299	-3.416667	-0.666955	0	
184	N424	5.71137	-1.791667	-7.314157	0	
185	N426	6.836465	-0.458333	-0.933424	0	
186	N427	7.06215	-0.458333	-0.973218	0	
187	N428	6.836465	-3.125	-0.933424	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
188	N429	7.06215	-3.125	-0.973218	0	
189	N430	7.06215	3.458333	-0.973218	0	
190	N431	7.06215	-4.541667	-0.973218	0	
191	N432	7.675765	-0.458333	3.82648	0	
192	N433	7.90145	-0.458333	3.786686	0	
193	N434	7.675765	-3.125	3.82648	0	
194	N435	7.90145	-3.125	3.786686	0	
195	N436	7.90145	3.458333	3.786686	0	
196	N437	7.90145	-4.541667	3.786686	0	
197	N200A	-3.640345	-1.791667	-4.360368	0	
198	N200B	5.609123	-1.791667	-1.055486	0	
199	N204A	-1.051736	-0.166667	3.039699	0	
200	N203A	-1.989274	-0.166667	-2.469209	0	
201	N204B	-1.051736	-3.416667	3.039699	0	
202	N205A	-1.989274	-3.416667	-2.469209	0	
203	N204C	-1.051736	0.833333	3.039699	0	
204	N205B	-1.989274	0.833333	-2.469209	0	
205	N206A	-1.051736	-4.166667	3.039699	0	
206	N207	-1.989274	-4.166667	-2.469209	0	
207	N208	-7.693356	-1.791667	6.692098	0	
208	N214A	-0.485286	2.5	1.811111	0	
209	N215A	1.834027	2.5	-0.389834	0	
210	N217	-7.797522	2.5	6.692098	0	
211	N218	4.702478	2.5	6.692098	0	
212	N219	3.702478	2.5	6.692098	0	
213	N220	3.702478	2.5	6.921265	0	
214	N221	-1.880855	2.5	6.692098	0	
215	N222	-1.880855	2.5	6.921265	0	
216	N223	-6.714189	2.5	6.692098	0	
217	N224	-6.714189	2.5	6.921265	0	
218	N225	1.760464	2.5	-7.578807	0	
219	N226	-9.985694	2.5	-3.303555	0	
220	N227	-9.046001	2.5	-3.645575	0	
221	N228	-9.124381	2.5	-3.860921	0	
222	N229	-3.799384	2.5	-5.555188	0	
223	N230	-3.877764	2.5	-5.770534	0	
224	N231	0.742464	2.5	-7.208285	0	
225	N232	0.664084	2.5	-7.423631	0	
226	N233	7.863883	2.5	4.893355	0	
227	N234	5.693281	2.5	-7.416741	0	
228	N235	5.866929	2.5	-6.431934	0	
229	N236	6.092615	2.5	-6.471728	0	
230	N237	6.836465	2.5	-0.933424	0	
231	N238	7.06215	2.5	-0.973218	0	
232	N239	7.675765	2.5	3.82648	0	
233	N240	7.90145	2.5	3.786686	0	
234	N244	-1.793142	2.5	6.692098	0	
235	N246A	6.778582	2.5	-1.261693	0	
236	N244A	-1.706869	2.5	6.370123	0	
237	N245	6.450313	2.5	-1.20381	0	
238	N250	-6.714189	1.041667	6.921265	0	
239	N251	0.664084	1.041667	-7.423631	0	
240	N252	7.90145	1.041667	3.786686	0	
241	N250A	3.702478	1.041667	6.921265	0	
242	N252A	-9.124381	1.041667	-3.860921	0	
243	N253A	6.092615	1.041667	-6.471728	0	
244	N253C	-1.393397	2.5	-1.25462	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
245	N255A	-4.357743	2.5	-5.351962	0	
246	N255B	-4.162356	2.5	-5.081897	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
2	Face Vertical	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Tube	HSS3X3X3	Beam	SquareTube	A500 Gr. B ...	Typical	1.89	2.46	2.46	4.03
5	Mast Pipe	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	Standoff Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
7	Standoff Vertical	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	Standoff Vertical P1.25 ...	PIPE 1.25	Column	Pipe	A53 Gr. B	Typical	.625	.184	.184	.368
9	Standoff Bracing	SR 0.5	Column	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
10	Tieback	PIPE 1.5	Beam	Pipe	A53 Gr. B	Typical	.749	.293	.293	.586
11	Bracing Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
12	Connection Angle	PL3/8x7	Beam	RECT	A36 Gr.36	Typical	2.625	.031	10.719	.119
13	Mod Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
14	Mod Standoff	HSS3X3X4	Beam	SquareTube	A500 Gr. B ...	Typical	2.44	3.02	3.02	5.08
15	Mod Tieback	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M109	N179A	N180			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M110	N181	N182			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M116	N198	N194			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
4	M117	N196	N198			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
5	M118	N192	N196			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
6	M122	N190	N200			RIGID	None	None	RIGID	Typical
7	M123	N189	N199			RIGID	None	None	RIGID	Typical
8	M124	N201	N202			Mast Pipe	Column	Pipe	A53 Gr. B	Typical
9	M125	N203	N205			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
10	M126	N204	N206			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
11	M127	N198	N35			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
12	M128	N196	N34			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
13	M129	N211	N212			RIGID	None	None	RIGID	Typical
14	M130	N213	N214			RIGID	None	None	RIGID	Typical
15	MP1A	N215	N216			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
16	M18	N35	N33			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
17	M19	N34	N35			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
18	M20	N32	N34			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
19	M21	N31	N32A		15	Connection Angle	Beam	RECT	A36 Gr.36	Typical
20	M22	N32A	N34A		270	Connection Angle	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
21	M21A	N32B	N33A		15	Connection Angle	Beam	RECT	A36 Gr.36	Typical
22	M23	N32B	N36		90	Connection Angle	Beam	RECT	A36 Gr.36	Typical
23	M23A	N35A	N36A			Standoff Vertical P1.25 ...	Column	Pipe	A53 Gr. B	Typical
24	M24	N203	N36A			Standoff Bracing	Column	BAR	A36 Gr.36	Typical
25	M25	N38	N37			Face Vertical	Column	Pipe	A53 Gr. B	Typical
26	M26	N40	N39			Face Vertical	Column	Pipe	A53 Gr. B	Typical
27	M27	N44	N43			Face Vertical	Column	Pipe	A53 Gr. B	Typical
28	M28	N44A	N43A			Face Vertical	Column	Pipe	A53 Gr. B	Typical
29	M29	N46	N45			Face Vertical	Column	Pipe	A53 Gr. B	Typical
30	M30	N49	N47			RIGID	None	None	RIGID	Typical
31	M31	N47	N48			RIGID	None	None	RIGID	Typical
32	M32	N52	N50			RIGID	None	None	RIGID	Typical
33	M33	N50	N51			RIGID	None	None	RIGID	Typical
34	M35	N55	N56			RIGID	None	None	RIGID	Typical
35	M36	N57	N58			RIGID	None	None	RIGID	Typical
36	MP2A	N59	N60			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
37	M38	N61	N62			RIGID	None	None	RIGID	Typical
38	M39	N63	N64			RIGID	None	None	RIGID	Typical
39	MP3A	N65	N66			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	M161	N306A	N307B			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
41	M162	N308A	N309B			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
42	M163	N315B	N313B			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
43	M164	N314A	N315B			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
44	M165	N312A	N314A			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
45	M166	N311B	N317A			RIGID	None	None	RIGID	Typical
46	M167	N310A	N316A			RIGID	None	None	RIGID	Typical
47	M168	N318	N319A			Mast Pipe	Column	Pipe	A53 Gr. B	Typical
48	M169	N320	N322			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
49	M170	N321A	N323A			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
50	M171	N315B	N333A			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
51	M172	N314A	N332			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
52	M173	N324	N325A			RIGID	None	None	RIGID	Typical
53	M174	N326	N327A			RIGID	None	None	RIGID	Typical
54	MP1B	N328	N329A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
55	M176	N333A	N331A			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
56	M177	N332	N333A			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
57	M178	N330	N332			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
58	M179	N334	N335A		325	Connection Angle	Beam	RECT	A36 Gr.36	Typical
59	M180	N335A	N336		270	Connection Angle	Beam	RECT	A36 Gr.36	Typical
60	M181	N337A	N338		325	Connection Angle	Beam	RECT	A36 Gr.36	Typical
61	M182	N337A	N331		270	Connection Angle	Beam	RECT	A36 Gr.36	Typical
62	M183	N340	N341A			Standoff Vertical P1.25 ...	Column	Pipe	A53 Gr. B	Typical
63	M184	N320	N341A			Standoff Bracing	Column	BAR	A36 Gr.36	Typical
64	M185	N343A	N342			Face Vertical	Column	Pipe	A53 Gr. B	Typical
65	M186	N345A	N344			Face Vertical	Column	Pipe	A53 Gr. B	Typical
66	M187	N347	N346			Face Vertical	Column	Pipe	A53 Gr. B	Typical
67	M188	N349	N348			Face Vertical	Column	Pipe	A53 Gr. B	Typical
68	M189	N351	N350			Face Vertical	Column	Pipe	A53 Gr. B	Typical
69	M190	N354	N352			RIGID	None	None	RIGID	Typical
70	M191	N352	N353			RIGID	None	None	RIGID	Typical
71	M192	N357	N355			RIGID	None	None	RIGID	Typical
72	M193	N355	N356			RIGID	None	None	RIGID	Typical
73	M195	N360	N361			RIGID	None	None	RIGID	Typical
74	M196	N362	N363			RIGID	None	None	RIGID	Typical
75	MP2B	N364	N365			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
76	M198	N366	N367			RIGID	None	None	RIGID	Typical
77	M199	N368	N369			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
78	MP3B	N370	N371			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
79	M201	N372A	N373			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
80	M202	N374	N375			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
81	M203	N381	N379			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
82	M204	N380	N381			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
83	M205	N378	N380			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
84	M206	N377	N383			RIGID	None	None	RIGID	Typical
85	M207	N376	N382			RIGID	None	None	RIGID	Typical
86	M208	N384	N385			Mast Pipe	Column	Pipe	A53 Gr. B	Typical
87	M209	N386	N388			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
88	M210	N387	N389			Standoff Horizontal	Beam	Pipe	A53 Gr. B	Typical
89	M211	N381	N399			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
90	M212	N380	N398			Standoff Vertical	Column	Pipe	A53 Gr. B	Typical
91	M213	N390	N391			RIGID	None	None	RIGID	Typical
92	M214	N392	N393			RIGID	None	None	RIGID	Typical
93	MP1C	N394	N395			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
94	M216	N399	N397			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
95	M217	N398	N399			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
96	M218	N396	N398			Standoff Tube	Beam	SquareTube	A500 Gr. ...	Typical
97	M219	N400	N401		80	Connection Angle	Beam	RECT	A36 Gr.36	Typical
98	M220	N401	N402		270	Connection Angle	Beam	RECT	A36 Gr.36	Typical
99	M221	N403	N404		80	Connection Angle	Beam	RECT	A36 Gr.36	Typical
100	M222	N403	N293A		270	Connection Angle	Beam	RECT	A36 Gr.36	Typical
101	M223	N406	N407			Standoff Vertical P1.25 ...	Column	Pipe	A53 Gr. B	Typical
102	M224	N386	N407			Standoff Bracing	Column	BAR	A36 Gr.36	Typical
103	M225	N409	N408			Face Vertical	Column	Pipe	A53 Gr. B	Typical
104	M226	N411	N410			Face Vertical	Column	Pipe	A53 Gr. B	Typical
105	M227	N413	N412			Face Vertical	Column	Pipe	A53 Gr. B	Typical
106	M228	N415	N414			Face Vertical	Column	Pipe	A53 Gr. B	Typical
107	M229	N417	N416			Face Vertical	Column	Pipe	A53 Gr. B	Typical
108	M230	N420	N418			RIGID	None	None	RIGID	Typical
109	M231	N418	N419			RIGID	None	None	RIGID	Typical
110	M232	N423	N421			RIGID	None	None	RIGID	Typical
111	M233	N421	N422			RIGID	None	None	RIGID	Typical
112	M235	N426	N427			RIGID	None	None	RIGID	Typical
113	M236	N428	N429			RIGID	None	None	RIGID	Typical
114	MP2C	N430	N431			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
115	M238	N432	N433			RIGID	None	None	RIGID	Typical
116	M239	N434	N435			RIGID	None	None	RIGID	Typical
117	MP3C	N436	N437			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
118	M121	N49	N353			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
119	M122A	N48	N420			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
120	M123A	N419	N354			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
121	M124A	N52	N356			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
122	M125A	N51	N423			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
123	M126A	N422	N357			Bracing Pipe	Beam	Pipe	A53 Gr. B	Typical
124	M127A	N204A	N35A			RIGID	None	None	RIGID	Typical
125	M128A	N203A	N340			RIGID	None	None	RIGID	Typical
126	M129A	N204B	N36A			RIGID	None	None	RIGID	Typical
127	M130A	N205A	N341A			RIGID	None	None	RIGID	Typical
128	OVP1	N204C	N206A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
129	OVP2	N205B	N207			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
130	M133	N217	N218			Mod Horizontal	Beam	Pipe	A53 Gr. B	Typical
131	M134	N219	N220			RIGID	None	None	RIGID	Typical
132	M135	N221	N222			RIGID	None	None	RIGID	Typical
133	M136	N223	N224			RIGID	None	None	RIGID	Typical
134	M137	N225	N226			Mod Horizontal	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
135	M138	N227	N228			RIGID	None	None	RIGID	Typical
136	M139	N229	N230			RIGID	None	None	RIGID	Typical
137	M140	N231	N232			RIGID	None	None	RIGID	Typical
138	M141	N233	N234			Mod Horizontal	Beam	Pipe	A53 Gr. B	Typical
139	M142	N235	N236			RIGID	None	None	RIGID	Typical
140	M143	N237	N238			RIGID	None	None	RIGID	Typical
141	M144	N239	N240			RIGID	None	None	RIGID	Typical
142	M145	N244	N244A			RIGID	None	None	RIGID	Typical
143	M146	N246A	N245			RIGID	None	None	RIGID	Typical
144	M147	N255A	N255B			RIGID	None	None	RIGID	Typical
145	M148	N244A	N214A			Mod Standoff	Beam	SquareTube	A500 Gr. ...	Typical
146	M149	N245	N215A			Mod Standoff	Beam	SquareTube	A500 Gr. ...	Typical
147	M150	N255B	N253C			Mod Standoff	Beam	SquareTube	A500 Gr. ...	Typical
148	M151	N251	N253A			Mod Tieback	Beam	Pipe	A53 Gr. B	Typical
149	M152	N252	N250A			Mod Tieback	Beam	Pipe	A53 Gr. B	Typical
150	M153	N250	N252A			Mod Tieback	Beam	Pipe	A53 Gr. B	Typical
151	M151A	N208	N54			Tieback	Beam	Pipe	A53 Gr. B	Typical
152	M152A	N358	N200A			Tieback	Beam	Pipe	A53 Gr. B	Typical
153	M153A	N200B	N424			Tieback	Beam	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M109						Yes				None
2	M110						Yes				None
3	M116						Yes	Default			None
4	M117						Yes	Default			None
5	M118						Yes	Default			None
6	M122	BenPIN					Yes	** NA **			None
7	M123	BenPIN					Yes	** NA **			None
8	M124						Yes	** NA **			None
9	M125						Yes				None
10	M126						Yes				None
11	M127						Yes	** NA **			None
12	M128						Yes	** NA **			None
13	M129						Yes	** NA **			None
14	M130						Yes	** NA **			None
15	MP1A						Yes	** NA **			None
16	M18						Yes	Default			None
17	M19						Yes	Default			None
18	M20						Yes	Default			None
19	M21						Yes				None
20	M22		OOOOOO				Yes	Default			None
21	M21A						Yes				None
22	M23		OOOOOO				Yes	Default			None
23	M23A						Yes	** NA **			None
24	M24	BenPIN	BenPIN			Euler Buc...	Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						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...
34	M35						Yes	** NA **			None
35	M36						Yes	** NA **			None
36	MP2A						Yes	** NA **			None
37	M38						Yes	** NA **			None
38	M39						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	M161						Yes				None
41	M162						Yes				None
42	M163						Yes	Default			None
43	M164						Yes	Default			None
44	M165						Yes	Default			None
45	M166	BenPIN					Yes	** NA **			None
46	M167	BenPIN					Yes	** NA **			None
47	M168						Yes	** NA **			None
48	M169						Yes				None
49	M170						Yes				None
50	M171						Yes	** NA **			None
51	M172						Yes	** NA **			None
52	M173						Yes	** NA **			None
53	M174						Yes	** NA **			None
54	MP1B						Yes	** NA **			None
55	M176						Yes	Default			None
56	M177						Yes	Default			None
57	M178						Yes	Default			None
58	M179						Yes	Default			None
59	M180		OOOOOO				Yes	Default			None
60	M181						Yes				None
61	M182		OOOOOO				Yes	Default			None
62	M183						Yes	** NA **			None
63	M184	BenPIN	BenPIN			Euler Buc...	Yes	** NA **			None
64	M185						Yes	** NA **			None
65	M186						Yes	** NA **			None
66	M187						Yes	** NA **			None
67	M188						Yes	** NA **			None
68	M189						Yes	** NA **			None
69	M190						Yes	** NA **			None
70	M191						Yes	** NA **			None
71	M192						Yes	** NA **			None
72	M193						Yes	** NA **			None
73	M195						Yes	** NA **			None
74	M196						Yes	** NA **			None
75	MP2B						Yes	** NA **			None
76	M198						Yes	** NA **			None
77	M199						Yes	** NA **			None
78	MP3B						Yes	** NA **			None
79	M201						Yes				None
80	M202						Yes	Default			None
81	M203						Yes	Default			None
82	M204						Yes	Default			None
83	M205						Yes	Default			None
84	M206	BenPIN					Yes	** NA **			None
85	M207	BenPIN					Yes	** NA **			None
86	M208						Yes	** NA **			None
87	M209						Yes				None
88	M210						Yes				None
89	M211						Yes	** NA **			None
90	M212						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...
91	M213						Yes	** NA **			None
92	M214						Yes	** NA **			None
93	MP1C						Yes	** NA **			None
94	M216						Yes	Default			None
95	M217						Yes	Default			None
96	M218						Yes	Default			None
97	M219						Yes				None
98	M220		000000				Yes	Default			None
99	M221						Yes	Default			None
100	M222		000000				Yes	Default			None
101	M223						Yes	** NA **			None
102	M224	BenPIN	BenPIN			Euler Buc...	Yes	** NA **			None
103	M225						Yes	** NA **			None
104	M226						Yes	** NA **			None
105	M227						Yes	** NA **			None
106	M228						Yes	** NA **			None
107	M229						Yes	** NA **			None
108	M230						Yes	** NA **			None
109	M231						Yes	** NA **			None
110	M232						Yes	** NA **			None
111	M233						Yes	** NA **			None
112	M235						Yes	** NA **			None
113	M236						Yes	** NA **			None
114	MP2C						Yes	** NA **			None
115	M238						Yes	** NA **			None
116	M239						Yes	** NA **			None
117	MP3C						Yes	** NA **			None
118	M121	BenPIN	BenPIN				Yes				None
119	M122A	BenPIN	BenPIN				Yes				None
120	M123A	BenPIN	BenPIN				Yes				None
121	M124A	BenPIN	BenPIN				Yes	Default			None
122	M125A	BenPIN	BenPIN				Yes				None
123	M126A	BenPIN	BenPIN				Yes				None
124	M127A						Yes	** NA **			None
125	M128A						Yes	** NA **			None
126	M129A						Yes	** NA **			None
127	M130A						Yes	** NA **			None
128	OVP1						Yes	** NA **			None
129	OVP2						Yes	** NA **			None
130	M133						Yes				None
131	M134						Yes	** NA **			None
132	M135						Yes	** NA **			None
133	M136						Yes	** NA **			None
134	M137						Yes				None
135	M138						Yes	** NA **			None
136	M139						Yes	** NA **			None
137	M140						Yes	** NA **			None
138	M141						Yes				None
139	M142						Yes	** NA **			None
140	M143						Yes	** NA **			None
141	M144						Yes	** NA **			None
142	M145						Yes	** NA **			None
143	M146						Yes	** NA **			None
144	M147						Yes	** NA **			None
145	M148						Yes				None
146	M149						Yes				None
147	M150						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
148	M151	OOOOXO	OOOOXO				Yes				None
149	M152	OOOOXO	OOOOXO				Yes				None
150	M153	OOOOXO	OOOOXO				Yes				None
151	M151A	BenPIN	BenPIN				Yes				None
152	M152A	BenPIN	BenPIN				Yes				None
153	M153A	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	2.5
2	MP3A	My	-.022	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-43.55	4.25
5	MP3A	My	-.022	4.25
6	MP3A	Mz	0	4.25
7	MP3B	Y	-43.55	2.5
8	MP3B	My	.021	2.5
9	MP3B	Mz	.004	2.5
10	MP3B	Y	-43.55	4.25
11	MP3B	My	.021	4.25
12	MP3B	Mz	.004	4.25
13	MP3C	Y	-43.55	2.5
14	MP3C	My	0	2.5
15	MP3C	Mz	.022	2.5
16	MP3C	Y	-43.55	4.25
17	MP3C	My	0	4.25
18	MP3C	Mz	.022	4.25
19	MP1A	Y	-39.8	.75
20	MP1A	My	-.02	.75
21	MP1A	Mz	.033	.75
22	MP1A	Y	-39.8	6
23	MP1A	My	-.02	6
24	MP1A	Mz	.033	6
25	MP1B	Y	-39.8	.75
26	MP1B	My	.025	.75
27	MP1B	Mz	-.029	.75
28	MP1B	Y	-39.8	6
29	MP1B	My	.025	6
30	MP1B	Mz	-.029	6
31	MP1C	Y	-39.8	.75
32	MP1C	My	.033	.75
33	MP1C	Mz	.02	.75
34	MP1C	Y	-39.8	6
35	MP1C	My	.033	6
36	MP1C	Mz	.02	6
37	MP1A	Y	-39.8	.75
38	MP1A	My	-.02	.75
39	MP1A	Mz	-.033	.75
40	MP1A	Y	-39.8	6
41	MP1A	My	-.02	6
42	MP1A	Mz	-.033	6
43	MP1B	Y	-39.8	.75
44	MP1B	My	.014	.75
45	MP1B	Mz	.036	.75
46	MP1B	Y	-39.8	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	My	.014	6
48	MP1B	Mz	.036	6
49	MP1C	Y	-39.8	.75
50	MP1C	My	-.033	.75
51	MP1C	Mz	.02	.75
52	MP1C	Y	-39.8	6
53	MP1C	My	-.033	6
54	MP1C	Mz	.02	6
55	MP1A	Y	-84.4	5.25
56	MP1A	My	.042	5.25
57	MP1A	Mz	0	5.25
58	MP1B	Y	-84.4	5.25
59	MP1B	My	-.042	5.25
60	MP1B	Mz	-.007	5.25
61	MP1C	Y	-84.4	5.25
62	MP1C	My	0	5.25
63	MP1C	Mz	-.042	5.25
64	MP2A	Y	-70.3	5.25
65	MP2A	My	.035	5.25
66	MP2A	Mz	0	5.25
67	MP2B	Y	-70.3	5.25
68	MP2B	My	-.035	5.25
69	MP2B	Mz	-.006	5.25
70	MP2C	Y	-70.3	5.25
71	MP2C	My	0	5.25
72	MP2C	Mz	-.035	5.25
73	OVP1	Y	-26.9	.75
74	OVP1	My	0	.75
75	OVP1	Mz	0	.75
76	OVP2	Y	-26.9	.75
77	OVP2	My	0	.75
78	OVP2	Mz	0	.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-35.289	2.5
2	MP3A	My	-.018	2.5
3	MP3A	Mz	0	2.5
4	MP3A	Y	-35.289	4.25
5	MP3A	My	-.018	4.25
6	MP3A	Mz	0	4.25
7	MP3B	Y	-35.289	2.5
8	MP3B	My	.017	2.5
9	MP3B	Mz	.003	2.5
10	MP3B	Y	-35.289	4.25
11	MP3B	My	.017	4.25
12	MP3B	Mz	.003	4.25
13	MP3C	Y	-35.289	2.5
14	MP3C	My	0	2.5
15	MP3C	Mz	.018	2.5
16	MP3C	Y	-35.289	4.25
17	MP3C	My	0	4.25
18	MP3C	Mz	.018	4.25
19	MP1A	Y	-101.765	.75
20	MP1A	My	-.051	.75
21	MP1A	Mz	.085	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	Y	-101.765	6
23	MP1A	My	-.051	6
24	MP1A	Mz	.085	6
25	MP1B	Y	-101.765	.75
26	MP1B	My	.065	.75
27	MP1B	Mz	-.075	.75
28	MP1B	Y	-101.765	6
29	MP1B	My	.065	6
30	MP1B	Mz	-.075	6
31	MP1C	Y	-101.765	.75
32	MP1C	My	.085	.75
33	MP1C	Mz	.051	.75
34	MP1C	Y	-101.765	6
35	MP1C	My	.085	6
36	MP1C	Mz	.051	6
37	MP1A	Y	-101.765	.75
38	MP1A	My	-.051	.75
39	MP1A	Mz	-.085	.75
40	MP1A	Y	-101.765	6
41	MP1A	My	-.051	6
42	MP1A	Mz	-.085	6
43	MP1B	Y	-101.765	.75
44	MP1B	My	.035	.75
45	MP1B	Mz	.092	.75
46	MP1B	Y	-101.765	6
47	MP1B	My	.035	6
48	MP1B	Mz	.092	6
49	MP1C	Y	-101.765	.75
50	MP1C	My	-.085	.75
51	MP1C	Mz	.051	.75
52	MP1C	Y	-101.765	6
53	MP1C	My	-.085	6
54	MP1C	Mz	.051	6
55	MP1A	Y	-44.365	5.25
56	MP1A	My	.022	5.25
57	MP1A	Mz	0	5.25
58	MP1B	Y	-44.365	5.25
59	MP1B	My	-.022	5.25
60	MP1B	Mz	-.004	5.25
61	MP1C	Y	-44.365	5.25
62	MP1C	My	0	5.25
63	MP1C	Mz	-.022	5.25
64	MP2A	Y	-39.894	5.25
65	MP2A	My	.02	5.25
66	MP2A	Mz	0	5.25
67	MP2B	Y	-39.894	5.25
68	MP2B	My	-.02	5.25
69	MP2B	Mz	-.003	5.25
70	MP2C	Y	-39.894	5.25
71	MP2C	My	0	5.25
72	MP2C	Mz	-.02	5.25
73	OVP1	Y	-54.637	.75
74	OVP1	My	0	.75
75	OVP1	Mz	0	.75
76	OVP2	Y	-54.637	.75
77	OVP2	My	0	.75
78	OVP2	Mz	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-108.058	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	-108.058	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5
8	MP3B	Z	-106.075	2.5
9	MP3B	Mx	-.009	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	-106.075	4.25
12	MP3B	Mx	-.009	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	-42.305	2.5
15	MP3C	Mx	-.021	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	-42.305	4.25
18	MP3C	Mx	-.021	4.25
19	MP1A	X	0	.75
20	MP1A	Z	-365.329	.75
21	MP1A	Mx	-.304	.75
22	MP1A	X	0	6
23	MP1A	Z	-365.329	6
24	MP1A	Mx	-.304	6
25	MP1B	X	0	.75
26	MP1B	Z	-359.559	.75
27	MP1B	Mx	.264	.75
28	MP1B	X	0	6
29	MP1B	Z	-359.559	6
30	MP1B	Mx	.264	6
31	MP1C	X	0	.75
32	MP1C	Z	-173.989	.75
33	MP1C	Mx	-.087	.75
34	MP1C	X	0	6
35	MP1C	Z	-173.989	6
36	MP1C	Mx	-.087	6
37	MP1A	X	0	.75
38	MP1A	Z	-365.329	.75
39	MP1A	Mx	.304	.75
40	MP1A	X	0	6
41	MP1A	Z	-365.329	6
42	MP1A	Mx	.304	6
43	MP1B	X	0	.75
44	MP1B	Z	-359.559	.75
45	MP1B	Mx	-.326	.75
46	MP1B	X	0	6
47	MP1B	Z	-359.559	6
48	MP1B	Mx	-.326	6
49	MP1C	X	0	.75
50	MP1C	Z	-173.989	.75
51	MP1C	Mx	-.087	.75
52	MP1C	X	0	6
53	MP1C	Z	-173.989	6
54	MP1C	Mx	-.087	6
55	MP1A	X	0	5.25
56	MP1A	Z	-85.556	5.25
57	MP1A	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	0	5.25
59	MP1B	Z	-84.701	5.25
60	MP1B	Mx	.007	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	-57.19	5.25
63	MP1C	Mx	.029	5.25
64	MP2A	X	0	5.25
65	MP2A	Z	-85.556	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	-84.373	5.25
69	MP2B	Mx	.007	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	-46.324	5.25
72	MP2C	Mx	.023	5.25
73	OVP1	X	0	.75
74	OVP1	Z	-114.38	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	-114.38	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.81	2.5
2	MP3A	Z	-79.345	2.5
3	MP3A	Mx	-.023	2.5
4	MP3A	X	45.81	4.25
5	MP3A	Z	-79.345	4.25
6	MP3A	Mx	-.023	4.25
7	MP3B	X	50.183	2.5
8	MP3B	Z	-86.92	2.5
9	MP3B	Mx	.017	2.5
10	MP3B	X	50.183	4.25
11	MP3B	Z	-86.92	4.25
12	MP3B	Mx	.017	4.25
13	MP3C	X	29.371	2.5
14	MP3C	Z	-50.873	2.5
15	MP3C	Mx	-.025	2.5
16	MP3C	X	29.371	4.25
17	MP3C	Z	-50.873	4.25
18	MP3C	Mx	-.025	4.25
19	MP1A	X	158.747	.75
20	MP1A	Z	-274.958	.75
21	MP1A	Mx	-.309	.75
22	MP1A	X	158.747	6
23	MP1A	Z	-274.958	6
24	MP1A	Mx	-.309	6
25	MP1B	X	171.473	.75
26	MP1B	Z	-297	.75
27	MP1B	Mx	.327	.75
28	MP1B	X	171.473	6
29	MP1B	Z	-297	6
30	MP1B	Mx	.327	6
31	MP1C	X	110.912	.75
32	MP1C	Z	-192.105	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP1C	Mx	-.004	.75
34	MP1C	X	110.912	6
35	MP1C	Z	-192.105	6
36	MP1C	Mx	-.004	6
37	MP1A	X	158.747	.75
38	MP1A	Z	-274.958	.75
39	MP1A	Mx	.15	.75
40	MP1A	X	158.747	6
41	MP1A	Z	-274.958	6
42	MP1A	Mx	.15	6
43	MP1B	X	171.473	.75
44	MP1B	Z	-297	.75
45	MP1B	Mx	-.21	.75
46	MP1B	X	171.473	6
47	MP1B	Z	-297	6
48	MP1B	Mx	-.21	6
49	MP1C	X	110.912	.75
50	MP1C	Z	-192.105	.75
51	MP1C	Mx	-.188	.75
52	MP1C	X	110.912	6
53	MP1C	Z	-192.105	6
54	MP1C	Mx	-.188	6
55	MP1A	X	39.232	5.25
56	MP1A	Z	-67.952	5.25
57	MP1A	Mx	.02	5.25
58	MP1B	X	41.119	5.25
59	MP1B	Z	-71.22	5.25
60	MP1B	Mx	-.014	5.25
61	MP1C	X	32.141	5.25
62	MP1C	Z	-55.669	5.25
63	MP1C	Mx	.028	5.25
64	MP2A	X	37.874	5.25
65	MP2A	Z	-65.6	5.25
66	MP2A	Mx	.019	5.25
67	MP2B	X	40.483	5.25
68	MP2B	Z	-70.119	5.25
69	MP2B	Mx	-.014	5.25
70	MP2C	X	28.066	5.25
71	MP2C	Z	-48.612	5.25
72	MP2C	Mx	.024	5.25
73	OVP1	X	52.177	.75
74	OVP1	Z	-90.374	.75
75	OVP1	Mx	0	.75
76	OVP2	X	52.177	.75
77	OVP2	Z	-90.374	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	50.873	2.5
2	MP3A	Z	-29.371	2.5
3	MP3A	Mx	-.025	2.5
4	MP3A	X	50.873	4.25
5	MP3A	Z	-29.371	4.25
6	MP3A	Mx	-.025	4.25
7	MP3B	X	60.165	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-34.736	2.5
9	MP3B	Mx	.027	2.5
10	MP3B	X	60.165	4.25
11	MP3B	Z	-34.736	4.25
12	MP3B	Mx	.027	4.25
13	MP3C	X	79.345	2.5
14	MP3C	Z	-45.81	2.5
15	MP3C	Mx	-.023	2.5
16	MP3C	X	79.345	4.25
17	MP3C	Z	-45.81	4.25
18	MP3C	Mx	-.023	4.25
19	MP1A	X	192.105	.75
20	MP1A	Z	-110.912	.75
21	MP1A	Mx	-.188	.75
22	MP1A	X	192.105	6
23	MP1A	Z	-110.912	6
24	MP1A	Mx	-.188	6
25	MP1B	X	219.144	.75
26	MP1B	Z	-126.523	.75
27	MP1B	Mx	.232	.75
28	MP1B	X	219.144	6
29	MP1B	Z	-126.523	6
30	MP1B	Mx	.232	6
31	MP1C	X	274.958	.75
32	MP1C	Z	-158.747	.75
33	MP1C	Mx	.15	.75
34	MP1C	X	274.958	6
35	MP1C	Z	-158.747	6
36	MP1C	Mx	.15	6
37	MP1A	X	192.105	.75
38	MP1A	Z	-110.912	.75
39	MP1A	Mx	-.004	.75
40	MP1A	X	192.105	6
41	MP1A	Z	-110.912	6
42	MP1A	Mx	-.004	6
43	MP1B	X	219.144	.75
44	MP1B	Z	-126.523	.75
45	MP1B	Mx	-.039	.75
46	MP1B	X	219.144	6
47	MP1B	Z	-126.523	6
48	MP1B	Mx	-.039	6
49	MP1C	X	274.958	.75
50	MP1C	Z	-158.747	.75
51	MP1C	Mx	-.309	.75
52	MP1C	X	274.958	6
53	MP1C	Z	-158.747	6
54	MP1C	Mx	-.309	6
55	MP1A	X	55.669	5.25
56	MP1A	Z	-32.141	5.25
57	MP1A	Mx	.028	5.25
58	MP1B	X	59.678	5.25
59	MP1B	Z	-34.455	5.25
60	MP1B	Mx	-.026	5.25
61	MP1C	X	67.952	5.25
62	MP1C	Z	-39.232	5.25
63	MP1C	Mx	.02	5.25
64	MP2A	X	48.612	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-28.066	5.25
66	MP2A	Mx	.024	5.25
67	MP2B	X	54.156	5.25
68	MP2B	Z	-31.267	5.25
69	MP2B	Mx	-.024	5.25
70	MP2C	X	65.6	5.25
71	MP2C	Z	-37.874	5.25
72	MP2C	Mx	.019	5.25
73	OVP1	X	73.009	.75
74	OVP1	Z	-42.152	.75
75	OVP1	Mx	0	.75
76	OVP2	X	73.009	.75
77	OVP2	Z	-42.152	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	42.305	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.021	2.5
4	MP3A	X	42.305	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	-.021	4.25
7	MP3B	X	44.287	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.022	2.5
10	MP3B	X	44.287	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	.022	4.25
13	MP3C	X	108.058	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	108.058	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	173.989	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.087	.75
22	MP1A	X	173.989	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.087	6
25	MP1B	X	179.759	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.115	.75
28	MP1B	X	179.759	6
29	MP1B	Z	0	6
30	MP1B	Mx	.115	6
31	MP1C	X	365.329	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	.304	.75
34	MP1C	X	365.329	6
35	MP1C	Z	0	6
36	MP1C	Mx	.304	6
37	MP1A	X	173.989	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	-.087	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	173.989	6
41	MP1A	Z	0	6
42	MP1A	Mx	-.087	6
43	MP1B	X	179.759	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	.063	.75
46	MP1B	X	179.759	6
47	MP1B	Z	0	6
48	MP1B	Mx	.063	6
49	MP1C	X	365.329	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	-.304	.75
52	MP1C	X	365.329	6
53	MP1C	Z	0	6
54	MP1C	Mx	-.304	6
55	MP1A	X	57.19	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	.029	5.25
58	MP1B	X	58.045	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	-.029	5.25
61	MP1C	X	85.556	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	46.324	5.25
65	MP2A	Z	0	5.25
66	MP2A	Mx	.023	5.25
67	MP2B	X	47.507	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	-.023	5.25
70	MP2C	X	85.556	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	74.278	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	74.278	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	50.873	2.5
2	MP3A	Z	29.371	2.5
3	MP3A	Mx	-.025	2.5
4	MP3A	X	50.873	4.25
5	MP3A	Z	29.371	4.25
6	MP3A	Mx	-.025	4.25
7	MP3B	X	43.298	2.5
8	MP3B	Z	24.998	2.5
9	MP3B	Mx	.023	2.5
10	MP3B	X	43.298	4.25
11	MP3B	Z	24.998	4.25
12	MP3B	Mx	.023	4.25
13	MP3C	X	79.345	2.5
14	MP3C	Z	45.81	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP3C	Mx	.023	2.5
16	MP3C	X	79.345	4.25
17	MP3C	Z	45.81	4.25
18	MP3C	Mx	.023	4.25
19	MP1A	X	192.105	.75
20	MP1A	Z	110.912	.75
21	MP1A	Mx	-.004	.75
22	MP1A	X	192.105	6
23	MP1A	Z	110.912	6
24	MP1A	Mx	-.004	6
25	MP1B	X	170.063	.75
26	MP1B	Z	98.186	.75
27	MP1B	Mx	.036	.75
28	MP1B	X	170.063	6
29	MP1B	Z	98.186	6
30	MP1B	Mx	.036	6
31	MP1C	X	274.958	.75
32	MP1C	Z	158.747	.75
33	MP1C	Mx	.309	.75
34	MP1C	X	274.958	6
35	MP1C	Z	158.747	6
36	MP1C	Mx	.309	6
37	MP1A	X	192.105	.75
38	MP1A	Z	110.912	.75
39	MP1A	Mx	-.188	.75
40	MP1A	X	192.105	6
41	MP1A	Z	110.912	6
42	MP1A	Mx	-.188	6
43	MP1B	X	170.063	.75
44	MP1B	Z	98.186	.75
45	MP1B	Mx	.148	.75
46	MP1B	X	170.063	6
47	MP1B	Z	98.186	6
48	MP1B	Mx	.148	6
49	MP1C	X	274.958	.75
50	MP1C	Z	158.747	.75
51	MP1C	Mx	-.15	.75
52	MP1C	X	274.958	6
53	MP1C	Z	158.747	6
54	MP1C	Mx	-.15	6
55	MP1A	X	55.669	5.25
56	MP1A	Z	32.141	5.25
57	MP1A	Mx	.028	5.25
58	MP1B	X	52.402	5.25
59	MP1B	Z	30.254	5.25
60	MP1B	Mx	-.028	5.25
61	MP1C	X	67.952	5.25
62	MP1C	Z	39.232	5.25
63	MP1C	Mx	-.02	5.25
64	MP2A	X	48.612	5.25
65	MP2A	Z	28.066	5.25
66	MP2A	Mx	.024	5.25
67	MP2B	X	44.092	5.25
68	MP2B	Z	25.457	5.25
69	MP2B	Mx	-.024	5.25
70	MP2C	X	65.6	5.25
71	MP2C	Z	37.874	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.019	5.25
73	OVP1	X	73.009	.75
74	OVP1	Z	42.152	.75
75	OVP1	Mx	0	.75
76	OVP2	X	73.009	.75
77	OVP2	Z	42.152	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	45.81	2.5
2	MP3A	Z	79.345	2.5
3	MP3A	Mx	-.023	2.5
4	MP3A	X	45.81	4.25
5	MP3A	Z	79.345	4.25
6	MP3A	Mx	-.023	4.25
7	MP3B	X	40.445	2.5
8	MP3B	Z	70.053	2.5
9	MP3B	Mx	.026	2.5
10	MP3B	X	40.445	4.25
11	MP3B	Z	70.053	4.25
12	MP3B	Mx	.026	4.25
13	MP3C	X	29.371	2.5
14	MP3C	Z	50.873	2.5
15	MP3C	Mx	.025	2.5
16	MP3C	X	29.371	4.25
17	MP3C	Z	50.873	4.25
18	MP3C	Mx	.025	4.25
19	MP1A	X	158.747	.75
20	MP1A	Z	274.958	.75
21	MP1A	Mx	.15	.75
22	MP1A	X	158.747	6
23	MP1A	Z	274.958	6
24	MP1A	Mx	.15	6
25	MP1B	X	143.136	.75
26	MP1B	Z	247.919	.75
27	MP1B	Mx	-.091	.75
28	MP1B	X	143.136	6
29	MP1B	Z	247.919	6
30	MP1B	Mx	-.091	6
31	MP1C	X	110.912	.75
32	MP1C	Z	192.105	.75
33	MP1C	Mx	.188	.75
34	MP1C	X	110.912	6
35	MP1C	Z	192.105	6
36	MP1C	Mx	.188	6
37	MP1A	X	158.747	.75
38	MP1A	Z	274.958	.75
39	MP1A	Mx	-.309	.75
40	MP1A	X	158.747	6
41	MP1A	Z	274.958	6
42	MP1A	Mx	-.309	6
43	MP1B	X	143.136	.75
44	MP1B	Z	247.919	.75
45	MP1B	Mx	.275	.75
46	MP1B	X	143.136	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	Z	247.919	6
48	MP1B	Mx	.275	6
49	MP1C	X	110.912	.75
50	MP1C	Z	192.105	.75
51	MP1C	Mx	.004	.75
52	MP1C	X	110.912	6
53	MP1C	Z	192.105	6
54	MP1C	Mx	.004	6
55	MP1A	X	39.232	5.25
56	MP1A	Z	67.952	5.25
57	MP1A	Mx	.02	5.25
58	MP1B	X	36.918	5.25
59	MP1B	Z	63.944	5.25
60	MP1B	Mx	-.024	5.25
61	MP1C	X	32.141	5.25
62	MP1C	Z	55.669	5.25
63	MP1C	Mx	-.028	5.25
64	MP2A	X	37.874	5.25
65	MP2A	Z	65.6	5.25
66	MP2A	Mx	.019	5.25
67	MP2B	X	34.673	5.25
68	MP2B	Z	60.056	5.25
69	MP2B	Mx	-.022	5.25
70	MP2C	X	28.066	5.25
71	MP2C	Z	48.612	5.25
72	MP2C	Mx	-.024	5.25
73	OVP1	X	52.177	.75
74	OVP1	Z	90.374	.75
75	OVP1	Mx	0	.75
76	OVP2	X	52.177	.75
77	OVP2	Z	90.374	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	108.058	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	108.058	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5
8	MP3B	Z	106.075	2.5
9	MP3B	Mx	.009	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	106.075	4.25
12	MP3B	Mx	.009	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	42.305	2.5
15	MP3C	Mx	.021	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	42.305	4.25
18	MP3C	Mx	.021	4.25
19	MP1A	X	0	.75
20	MP1A	Z	365.329	.75
21	MP1A	Mx	.304	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	X	0	6
23	MP1A	Z	365.329	6
24	MP1A	Mx	.304	6
25	MP1B	X	0	.75
26	MP1B	Z	359.559	.75
27	MP1B	Mx	-.264	.75
28	MP1B	X	0	6
29	MP1B	Z	359.559	6
30	MP1B	Mx	-.264	6
31	MP1C	X	0	.75
32	MP1C	Z	173.989	.75
33	MP1C	Mx	.087	.75
34	MP1C	X	0	6
35	MP1C	Z	173.989	6
36	MP1C	Mx	.087	6
37	MP1A	X	0	.75
38	MP1A	Z	365.329	.75
39	MP1A	Mx	-.304	.75
40	MP1A	X	0	6
41	MP1A	Z	365.329	6
42	MP1A	Mx	-.304	6
43	MP1B	X	0	.75
44	MP1B	Z	359.559	.75
45	MP1B	Mx	.326	.75
46	MP1B	X	0	6
47	MP1B	Z	359.559	6
48	MP1B	Mx	.326	6
49	MP1C	X	0	.75
50	MP1C	Z	173.989	.75
51	MP1C	Mx	.087	.75
52	MP1C	X	0	6
53	MP1C	Z	173.989	6
54	MP1C	Mx	.087	6
55	MP1A	X	0	5.25
56	MP1A	Z	85.556	5.25
57	MP1A	Mx	0	5.25
58	MP1B	X	0	5.25
59	MP1B	Z	84.701	5.25
60	MP1B	Mx	-.007	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	57.19	5.25
63	MP1C	Mx	-.029	5.25
64	MP2A	X	0	5.25
65	MP2A	Z	85.556	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	84.373	5.25
69	MP2B	Mx	-.007	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	46.324	5.25
72	MP2C	Mx	-.023	5.25
73	OVP1	X	0	.75
74	OVP1	Z	114.38	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	114.38	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-45.81	2.5
2	MP3A	Z	79.345	2.5
3	MP3A	Mx	.023	2.5
4	MP3A	X	-45.81	4.25
5	MP3A	Z	79.345	4.25
6	MP3A	Mx	.023	4.25
7	MP3B	X	-50.183	2.5
8	MP3B	Z	86.92	2.5
9	MP3B	Mx	-.017	2.5
10	MP3B	X	-50.183	4.25
11	MP3B	Z	86.92	4.25
12	MP3B	Mx	-.017	4.25
13	MP3C	X	-29.371	2.5
14	MP3C	Z	50.873	2.5
15	MP3C	Mx	.025	2.5
16	MP3C	X	-29.371	4.25
17	MP3C	Z	50.873	4.25
18	MP3C	Mx	.025	4.25
19	MP1A	X	-158.747	.75
20	MP1A	Z	274.958	.75
21	MP1A	Mx	.309	.75
22	MP1A	X	-158.747	6
23	MP1A	Z	274.958	6
24	MP1A	Mx	.309	6
25	MP1B	X	-171.473	.75
26	MP1B	Z	297	.75
27	MP1B	Mx	-.327	.75
28	MP1B	X	-171.473	6
29	MP1B	Z	297	6
30	MP1B	Mx	-.327	6
31	MP1C	X	-110.912	.75
32	MP1C	Z	192.105	.75
33	MP1C	Mx	.004	.75
34	MP1C	X	-110.912	6
35	MP1C	Z	192.105	6
36	MP1C	Mx	.004	6
37	MP1A	X	-158.747	.75
38	MP1A	Z	274.958	.75
39	MP1A	Mx	-.15	.75
40	MP1A	X	-158.747	6
41	MP1A	Z	274.958	6
42	MP1A	Mx	-.15	6
43	MP1B	X	-171.473	.75
44	MP1B	Z	297	.75
45	MP1B	Mx	.21	.75
46	MP1B	X	-171.473	6
47	MP1B	Z	297	6
48	MP1B	Mx	.21	6
49	MP1C	X	-110.912	.75
50	MP1C	Z	192.105	.75
51	MP1C	Mx	.188	.75
52	MP1C	X	-110.912	6
53	MP1C	Z	192.105	6
54	MP1C	Mx	.188	6
55	MP1A	X	-39.232	5.25
56	MP1A	Z	67.952	5.25
57	MP1A	Mx	-.02	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	-41.119	5.25
59	MP1B	Z	71.22	5.25
60	MP1B	Mx	.014	5.25
61	MP1C	X	-32.141	5.25
62	MP1C	Z	55.669	5.25
63	MP1C	Mx	-.028	5.25
64	MP2A	X	-37.874	5.25
65	MP2A	Z	65.6	5.25
66	MP2A	Mx	-.019	5.25
67	MP2B	X	-40.483	5.25
68	MP2B	Z	70.119	5.25
69	MP2B	Mx	.014	5.25
70	MP2C	X	-28.066	5.25
71	MP2C	Z	48.612	5.25
72	MP2C	Mx	-.024	5.25
73	OVP1	X	-52.177	.75
74	OVP1	Z	90.374	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-52.177	.75
77	OVP2	Z	90.374	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-50.873	2.5
2	MP3A	Z	29.371	2.5
3	MP3A	Mx	.025	2.5
4	MP3A	X	-50.873	4.25
5	MP3A	Z	29.371	4.25
6	MP3A	Mx	.025	4.25
7	MP3B	X	-60.165	2.5
8	MP3B	Z	34.736	2.5
9	MP3B	Mx	-.027	2.5
10	MP3B	X	-60.165	4.25
11	MP3B	Z	34.736	4.25
12	MP3B	Mx	-.027	4.25
13	MP3C	X	-79.345	2.5
14	MP3C	Z	45.81	2.5
15	MP3C	Mx	.023	2.5
16	MP3C	X	-79.345	4.25
17	MP3C	Z	45.81	4.25
18	MP3C	Mx	.023	4.25
19	MP1A	X	-192.105	.75
20	MP1A	Z	110.912	.75
21	MP1A	Mx	.188	.75
22	MP1A	X	-192.105	6
23	MP1A	Z	110.912	6
24	MP1A	Mx	.188	6
25	MP1B	X	-219.144	.75
26	MP1B	Z	126.523	.75
27	MP1B	Mx	-.232	.75
28	MP1B	X	-219.144	6
29	MP1B	Z	126.523	6
30	MP1B	Mx	-.232	6
31	MP1C	X	-274.958	.75
32	MP1C	Z	158.747	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP1C	Mx	-.15	.75
34	MP1C	X	-274.958	6
35	MP1C	Z	158.747	6
36	MP1C	Mx	-.15	6
37	MP1A	X	-192.105	.75
38	MP1A	Z	110.912	.75
39	MP1A	Mx	.004	.75
40	MP1A	X	-192.105	6
41	MP1A	Z	110.912	6
42	MP1A	Mx	.004	6
43	MP1B	X	-219.144	.75
44	MP1B	Z	126.523	.75
45	MP1B	Mx	.039	.75
46	MP1B	X	-219.144	6
47	MP1B	Z	126.523	6
48	MP1B	Mx	.039	6
49	MP1C	X	-274.958	.75
50	MP1C	Z	158.747	.75
51	MP1C	Mx	.309	.75
52	MP1C	X	-274.958	6
53	MP1C	Z	158.747	6
54	MP1C	Mx	.309	6
55	MP1A	X	-55.669	5.25
56	MP1A	Z	32.141	5.25
57	MP1A	Mx	-.028	5.25
58	MP1B	X	-59.678	5.25
59	MP1B	Z	34.455	5.25
60	MP1B	Mx	.026	5.25
61	MP1C	X	-67.952	5.25
62	MP1C	Z	39.232	5.25
63	MP1C	Mx	-.02	5.25
64	MP2A	X	-48.612	5.25
65	MP2A	Z	28.066	5.25
66	MP2A	Mx	-.024	5.25
67	MP2B	X	-54.156	5.25
68	MP2B	Z	31.267	5.25
69	MP2B	Mx	.024	5.25
70	MP2C	X	-65.6	5.25
71	MP2C	Z	37.874	5.25
72	MP2C	Mx	-.019	5.25
73	OVP1	X	-73.009	.75
74	OVP1	Z	42.152	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-73.009	.75
77	OVP2	Z	42.152	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	-42.305	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.021	2.5
4	MP3A	X	-42.305	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	.021	4.25
7	MP3B	X	-44.287	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.022	2.5
10	MP3B	X	-44.287	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	-.022	4.25
13	MP3C	X	-108.058	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-108.058	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	-173.989	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.087	.75
22	MP1A	X	-173.989	6
23	MP1A	Z	0	6
24	MP1A	Mx	.087	6
25	MP1B	X	-179.759	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.115	.75
28	MP1B	X	-179.759	6
29	MP1B	Z	0	6
30	MP1B	Mx	-.115	6
31	MP1C	X	-365.329	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.304	.75
34	MP1C	X	-365.329	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.304	6
37	MP1A	X	-173.989	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	.087	.75
40	MP1A	X	-173.989	6
41	MP1A	Z	0	6
42	MP1A	Mx	.087	6
43	MP1B	X	-179.759	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	-.063	.75
46	MP1B	X	-179.759	6
47	MP1B	Z	0	6
48	MP1B	Mx	-.063	6
49	MP1C	X	-365.329	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	.304	.75
52	MP1C	X	-365.329	6
53	MP1C	Z	0	6
54	MP1C	Mx	.304	6
55	MP1A	X	-57.19	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	-.029	5.25
58	MP1B	X	-58.045	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	.029	5.25
61	MP1C	X	-85.556	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	-46.324	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	0	5.25
66	MP2A	Mx	-.023	5.25
67	MP2B	X	-47.507	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	.023	5.25
70	MP2C	X	-85.556	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	-74.278	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-74.278	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-50.873	2.5
2	MP3A	Z	-29.371	2.5
3	MP3A	Mx	.025	2.5
4	MP3A	X	-50.873	4.25
5	MP3A	Z	-29.371	4.25
6	MP3A	Mx	.025	4.25
7	MP3B	X	-43.298	2.5
8	MP3B	Z	-24.998	2.5
9	MP3B	Mx	-.023	2.5
10	MP3B	X	-43.298	4.25
11	MP3B	Z	-24.998	4.25
12	MP3B	Mx	-.023	4.25
13	MP3C	X	-79.345	2.5
14	MP3C	Z	-45.81	2.5
15	MP3C	Mx	-.023	2.5
16	MP3C	X	-79.345	4.25
17	MP3C	Z	-45.81	4.25
18	MP3C	Mx	-.023	4.25
19	MP1A	X	-192.105	.75
20	MP1A	Z	-110.912	.75
21	MP1A	Mx	.004	.75
22	MP1A	X	-192.105	6
23	MP1A	Z	-110.912	6
24	MP1A	Mx	.004	6
25	MP1B	X	-170.063	.75
26	MP1B	Z	-98.186	.75
27	MP1B	Mx	-.036	.75
28	MP1B	X	-170.063	6
29	MP1B	Z	-98.186	6
30	MP1B	Mx	-.036	6
31	MP1C	X	-274.958	.75
32	MP1C	Z	-158.747	.75
33	MP1C	Mx	-.309	.75
34	MP1C	X	-274.958	6
35	MP1C	Z	-158.747	6
36	MP1C	Mx	-.309	6
37	MP1A	X	-192.105	.75
38	MP1A	Z	-110.912	.75
39	MP1A	Mx	.188	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP1A	X	-192.105	6
41	MP1A	Z	-110.912	6
42	MP1A	Mx	.188	6
43	MP1B	X	-170.063	.75
44	MP1B	Z	-98.186	.75
45	MP1B	Mx	-.148	.75
46	MP1B	X	-170.063	6
47	MP1B	Z	-98.186	6
48	MP1B	Mx	-.148	6
49	MP1C	X	-274.958	.75
50	MP1C	Z	-158.747	.75
51	MP1C	Mx	.15	.75
52	MP1C	X	-274.958	6
53	MP1C	Z	-158.747	6
54	MP1C	Mx	.15	6
55	MP1A	X	-55.669	5.25
56	MP1A	Z	-32.141	5.25
57	MP1A	Mx	-.028	5.25
58	MP1B	X	-52.402	5.25
59	MP1B	Z	-30.254	5.25
60	MP1B	Mx	.028	5.25
61	MP1C	X	-67.952	5.25
62	MP1C	Z	-39.232	5.25
63	MP1C	Mx	.02	5.25
64	MP2A	X	-48.612	5.25
65	MP2A	Z	-28.066	5.25
66	MP2A	Mx	-.024	5.25
67	MP2B	X	-44.092	5.25
68	MP2B	Z	-25.457	5.25
69	MP2B	Mx	.024	5.25
70	MP2C	X	-65.6	5.25
71	MP2C	Z	-37.874	5.25
72	MP2C	Mx	.019	5.25
73	OVP1	X	-73.009	.75
74	OVP1	Z	-42.152	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-73.009	.75
77	OVP2	Z	-42.152	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-45.81	2.5
2	MP3A	Z	-79.345	2.5
3	MP3A	Mx	.023	2.5
4	MP3A	X	-45.81	4.25
5	MP3A	Z	-79.345	4.25
6	MP3A	Mx	.023	4.25
7	MP3B	X	-40.445	2.5
8	MP3B	Z	-70.053	2.5
9	MP3B	Mx	-.026	2.5
10	MP3B	X	-40.445	4.25
11	MP3B	Z	-70.053	4.25
12	MP3B	Mx	-.026	4.25
13	MP3C	X	-29.371	2.5
14	MP3C	Z	-50.873	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.025	2.5
16	MP3C	X	-29.371	4.25
17	MP3C	Z	-50.873	4.25
18	MP3C	Mx	-.025	4.25
19	MP1A	X	-158.747	.75
20	MP1A	Z	-274.958	.75
21	MP1A	Mx	-.15	.75
22	MP1A	X	-158.747	6
23	MP1A	Z	-274.958	6
24	MP1A	Mx	-.15	6
25	MP1B	X	-143.136	.75
26	MP1B	Z	-247.919	.75
27	MP1B	Mx	.091	.75
28	MP1B	X	-143.136	6
29	MP1B	Z	-247.919	6
30	MP1B	Mx	.091	6
31	MP1C	X	-110.912	.75
32	MP1C	Z	-192.105	.75
33	MP1C	Mx	-.188	.75
34	MP1C	X	-110.912	6
35	MP1C	Z	-192.105	6
36	MP1C	Mx	-.188	6
37	MP1A	X	-158.747	.75
38	MP1A	Z	-274.958	.75
39	MP1A	Mx	.309	.75
40	MP1A	X	-158.747	6
41	MP1A	Z	-274.958	6
42	MP1A	Mx	.309	6
43	MP1B	X	-143.136	.75
44	MP1B	Z	-247.919	.75
45	MP1B	Mx	-.275	.75
46	MP1B	X	-143.136	6
47	MP1B	Z	-247.919	6
48	MP1B	Mx	-.275	6
49	MP1C	X	-110.912	.75
50	MP1C	Z	-192.105	.75
51	MP1C	Mx	-.004	.75
52	MP1C	X	-110.912	6
53	MP1C	Z	-192.105	6
54	MP1C	Mx	-.004	6
55	MP1A	X	-39.232	5.25
56	MP1A	Z	-67.952	5.25
57	MP1A	Mx	-.02	5.25
58	MP1B	X	-36.918	5.25
59	MP1B	Z	-63.944	5.25
60	MP1B	Mx	.024	5.25
61	MP1C	X	-32.141	5.25
62	MP1C	Z	-55.669	5.25
63	MP1C	Mx	.028	5.25
64	MP2A	X	-37.874	5.25
65	MP2A	Z	-65.6	5.25
66	MP2A	Mx	-.019	5.25
67	MP2B	X	-34.673	5.25
68	MP2B	Z	-60.056	5.25
69	MP2B	Mx	.022	5.25
70	MP2C	X	-28.066	5.25
71	MP2C	Z	-48.612	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.024	5.25
73	OVP1	X	-52.177	.75
74	OVP1	Z	-90.374	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-52.177	.75
77	OVP2	Z	-90.374	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-19.204	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	-19.204	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5
8	MP3B	Z	-18.872	2.5
9	MP3B	Mx	-.002	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	-18.872	4.25
12	MP3B	Mx	-.002	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	-8.175	2.5
15	MP3C	Mx	-.004	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	-8.175	4.25
18	MP3C	Mx	-.004	4.25
19	MP1A	X	0	.75
20	MP1A	Z	-61.621	.75
21	MP1A	Mx	-.051	.75
22	MP1A	X	0	6
23	MP1A	Z	-61.621	6
24	MP1A	Mx	-.051	6
25	MP1B	X	0	.75
26	MP1B	Z	-60.696	.75
27	MP1B	Mx	.045	.75
28	MP1B	X	0	6
29	MP1B	Z	-60.696	6
30	MP1B	Mx	.045	6
31	MP1C	X	0	.75
32	MP1C	Z	-30.961	.75
33	MP1C	Mx	-.015	.75
34	MP1C	X	0	6
35	MP1C	Z	-30.961	6
36	MP1C	Mx	-.015	6
37	MP1A	X	0	.75
38	MP1A	Z	-61.621	.75
39	MP1A	Mx	.051	.75
40	MP1A	X	0	6
41	MP1A	Z	-61.621	6
42	MP1A	Mx	.051	6
43	MP1B	X	0	.75
44	MP1B	Z	-60.696	.75
45	MP1B	Mx	-.055	.75
46	MP1B	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	Z	-60.696	6
48	MP1B	Mx	-.055	6
49	MP1C	X	0	.75
50	MP1C	Z	-30.961	.75
51	MP1C	Mx	-.015	.75
52	MP1C	X	0	6
53	MP1C	Z	-30.961	6
54	MP1C	Mx	-.015	6
55	MP1A	X	0	5.25
56	MP1A	Z	-16.091	5.25
57	MP1A	Mx	0	5.25
58	MP1B	X	0	5.25
59	MP1B	Z	-15.943	5.25
60	MP1B	Mx	.001	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	-11.188	5.25
63	MP1C	Mx	.006	5.25
64	MP2A	X	0	5.25
65	MP2A	Z	-16.091	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	-15.887	5.25
69	MP2B	Mx	.001	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	-9.325	5.25
72	MP2C	Mx	.005	5.25
73	OVP1	X	0	.75
74	OVP1	Z	-20.969	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	-20.969	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.223	2.5
2	MP3A	Z	-14.243	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.223	4.25
5	MP3A	Z	-14.243	4.25
6	MP3A	Mx	-.004	4.25
7	MP3B	X	8.957	2.5
8	MP3B	Z	-15.514	2.5
9	MP3B	Mx	.003	2.5
10	MP3B	X	8.957	4.25
11	MP3B	Z	-15.514	4.25
12	MP3B	Mx	.003	4.25
13	MP3C	X	5.466	2.5
14	MP3C	Z	-9.467	2.5
15	MP3C	Mx	-.005	2.5
16	MP3C	X	5.466	4.25
17	MP3C	Z	-9.467	4.25
18	MP3C	Mx	-.005	4.25
19	MP1A	X	26.978	.75
20	MP1A	Z	-46.727	.75
21	MP1A	Mx	-.052	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	26.978	6
23	MP1A	Z	-46.727	6
24	MP1A	Mx	-.052	6
25	MP1B	X	29.017	.75
26	MP1B	Z	-50.259	.75
27	MP1B	Mx	.055	.75
28	MP1B	X	29.017	6
29	MP1B	Z	-50.259	6
30	MP1B	Mx	.055	6
31	MP1C	X	19.313	.75
32	MP1C	Z	-33.451	.75
33	MP1C	Mx	-.000631	.75
34	MP1C	X	19.313	6
35	MP1C	Z	-33.451	6
36	MP1C	Mx	-.000631	6
37	MP1A	X	26.978	.75
38	MP1A	Z	-46.727	.75
39	MP1A	Mx	.025	.75
40	MP1A	X	26.978	6
41	MP1A	Z	-46.727	6
42	MP1A	Mx	.025	6
43	MP1B	X	29.017	.75
44	MP1B	Z	-50.259	.75
45	MP1B	Mx	-.036	.75
46	MP1B	X	29.017	6
47	MP1B	Z	-50.259	6
48	MP1B	Mx	-.036	6
49	MP1C	X	19.313	.75
50	MP1C	Z	-33.451	.75
51	MP1C	Mx	-.033	.75
52	MP1C	X	19.313	6
53	MP1C	Z	-33.451	6
54	MP1C	Mx	-.033	6
55	MP1A	X	7.432	5.25
56	MP1A	Z	-12.873	5.25
57	MP1A	Mx	.004	5.25
58	MP1B	X	7.759	5.25
59	MP1B	Z	-13.438	5.25
60	MP1B	Mx	-.003	5.25
61	MP1C	X	6.207	5.25
62	MP1C	Z	-10.75	5.25
63	MP1C	Mx	.005	5.25
64	MP2A	X	7.2	5.25
65	MP2A	Z	-12.47	5.25
66	MP2A	Mx	.004	5.25
67	MP2B	X	7.65	5.25
68	MP2B	Z	-13.249	5.25
69	MP2B	Mx	-.003	5.25
70	MP2C	X	5.508	5.25
71	MP2C	Z	-9.54	5.25
72	MP2C	Mx	.005	5.25
73	OVP1	X	9.641	.75
74	OVP1	Z	-16.699	.75
75	OVP1	Mx	0	.75
76	OVP2	X	9.641	.75
77	OVP2	Z	-16.699	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	9.467	2.5
2	MP3A	Z	-5.466	2.5
3	MP3A	Mx	-.005	2.5
4	MP3A	X	9.467	4.25
5	MP3A	Z	-5.466	4.25
6	MP3A	Mx	-.005	4.25
7	MP3B	X	11.026	2.5
8	MP3B	Z	-6.366	2.5
9	MP3B	Mx	.005	2.5
10	MP3B	X	11.026	4.25
11	MP3B	Z	-6.366	4.25
12	MP3B	Mx	.005	4.25
13	MP3C	X	14.243	2.5
14	MP3C	Z	-8.223	2.5
15	MP3C	Mx	-.004	2.5
16	MP3C	X	14.243	4.25
17	MP3C	Z	-8.223	4.25
18	MP3C	Mx	-.004	4.25
19	MP1A	X	33.451	.75
20	MP1A	Z	-19.313	.75
21	MP1A	Mx	-.033	.75
22	MP1A	X	33.451	6
23	MP1A	Z	-19.313	6
24	MP1A	Mx	-.033	6
25	MP1B	X	37.784	.75
26	MP1B	Z	-21.814	.75
27	MP1B	Mx	.04	.75
28	MP1B	X	37.784	6
29	MP1B	Z	-21.814	6
30	MP1B	Mx	.04	6
31	MP1C	X	46.727	.75
32	MP1C	Z	-26.978	.75
33	MP1C	Mx	.025	.75
34	MP1C	X	46.727	6
35	MP1C	Z	-26.978	6
36	MP1C	Mx	.025	6
37	MP1A	X	33.451	.75
38	MP1A	Z	-19.313	.75
39	MP1A	Mx	-.000631	.75
40	MP1A	X	33.451	6
41	MP1A	Z	-19.313	6
42	MP1A	Mx	-.000631	6
43	MP1B	X	37.784	.75
44	MP1B	Z	-21.814	.75
45	MP1B	Mx	-.007	.75
46	MP1B	X	37.784	6
47	MP1B	Z	-21.814	6
48	MP1B	Mx	-.007	6
49	MP1C	X	46.727	.75
50	MP1C	Z	-26.978	.75
51	MP1C	Mx	-.052	.75
52	MP1C	X	46.727	6
53	MP1C	Z	-26.978	6
54	MP1C	Mx	-.052	6
55	MP1A	X	10.75	5.25
56	MP1A	Z	-6.207	5.25
57	MP1A	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	11.443	5.25
59	MP1B	Z	-6.607	5.25
60	MP1B	Mx	-.005	5.25
61	MP1C	X	12.873	5.25
62	MP1C	Z	-7.432	5.25
63	MP1C	Mx	.004	5.25
64	MP2A	X	9.54	5.25
65	MP2A	Z	-5.508	5.25
66	MP2A	Mx	.005	5.25
67	MP2B	X	10.496	5.25
68	MP2B	Z	-6.06	5.25
69	MP2B	Mx	-.005	5.25
70	MP2C	X	12.47	5.25
71	MP2C	Z	-7.2	5.25
72	MP2C	Mx	.004	5.25
73	OVP1	X	13.778	.75
74	OVP1	Z	-7.955	.75
75	OVP1	Mx	0	.75
76	OVP2	X	13.778	.75
77	OVP2	Z	-7.955	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	8.175	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.175	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	-.004	4.25
7	MP3B	X	8.507	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.004	2.5
10	MP3B	X	8.507	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	.004	4.25
13	MP3C	X	19.204	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	19.204	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	30.961	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.015	.75
22	MP1A	X	30.961	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.015	6
25	MP1B	X	31.885	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.02	.75
28	MP1B	X	31.885	6
29	MP1B	Z	0	6
30	MP1B	Mx	.02	6
31	MP1C	X	61.621	.75
32	MP1C	Z	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP1C	Mx	.051	.75
34	MP1C	X	61.621	6
35	MP1C	Z	0	6
36	MP1C	Mx	.051	6
37	MP1A	X	30.961	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	-.015	.75
40	MP1A	X	30.961	6
41	MP1A	Z	0	6
42	MP1A	Mx	-.015	6
43	MP1B	X	31.885	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	.011	.75
46	MP1B	X	31.885	6
47	MP1B	Z	0	6
48	MP1B	Mx	.011	6
49	MP1C	X	61.621	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	-.051	.75
52	MP1C	X	61.621	6
53	MP1C	Z	0	6
54	MP1C	Mx	-.051	6
55	MP1A	X	11.188	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	.006	5.25
58	MP1B	X	11.336	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	-.006	5.25
61	MP1C	X	16.091	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	9.325	5.25
65	MP2A	Z	0	5.25
66	MP2A	Mx	.005	5.25
67	MP2B	X	9.529	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	-.005	5.25
70	MP2C	X	16.091	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	14.223	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	14.223	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	9.467	2.5
2	MP3A	Z	5.466	2.5
3	MP3A	Mx	-.005	2.5
4	MP3A	X	9.467	4.25
5	MP3A	Z	5.466	4.25
6	MP3A	Mx	-.005	4.25
7	MP3B	X	8.197	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	4.732	2.5
9	MP3B	Mx	.004	2.5
10	MP3B	X	8.197	4.25
11	MP3B	Z	4.732	4.25
12	MP3B	Mx	.004	4.25
13	MP3C	X	14.243	2.5
14	MP3C	Z	8.223	2.5
15	MP3C	Mx	.004	2.5
16	MP3C	X	14.243	4.25
17	MP3C	Z	8.223	4.25
18	MP3C	Mx	.004	4.25
19	MP1A	X	33.451	.75
20	MP1A	Z	19.313	.75
21	MP1A	Mx	-.000631	.75
22	MP1A	X	33.451	6
23	MP1A	Z	19.313	6
24	MP1A	Mx	-.000631	6
25	MP1B	X	29.919	.75
26	MP1B	Z	17.274	.75
27	MP1B	Mx	.006	.75
28	MP1B	X	29.919	6
29	MP1B	Z	17.274	6
30	MP1B	Mx	.006	6
31	MP1C	X	46.727	.75
32	MP1C	Z	26.978	.75
33	MP1C	Mx	.052	.75
34	MP1C	X	46.727	6
35	MP1C	Z	26.978	6
36	MP1C	Mx	.052	6
37	MP1A	X	33.451	.75
38	MP1A	Z	19.313	.75
39	MP1A	Mx	-.033	.75
40	MP1A	X	33.451	6
41	MP1A	Z	19.313	6
42	MP1A	Mx	-.033	6
43	MP1B	X	29.919	.75
44	MP1B	Z	17.274	.75
45	MP1B	Mx	.026	.75
46	MP1B	X	29.919	6
47	MP1B	Z	17.274	6
48	MP1B	Mx	.026	6
49	MP1C	X	46.727	.75
50	MP1C	Z	26.978	.75
51	MP1C	Mx	-.025	.75
52	MP1C	X	46.727	6
53	MP1C	Z	26.978	6
54	MP1C	Mx	-.025	6
55	MP1A	X	10.75	5.25
56	MP1A	Z	6.207	5.25
57	MP1A	Mx	.005	5.25
58	MP1B	X	10.186	5.25
59	MP1B	Z	5.881	5.25
60	MP1B	Mx	-.006	5.25
61	MP1C	X	12.873	5.25
62	MP1C	Z	7.432	5.25
63	MP1C	Mx	-.004	5.25
64	MP2A	X	9.54	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	5.508	5.25
66	MP2A	Mx	.005	5.25
67	MP2B	X	8.761	5.25
68	MP2B	Z	5.058	5.25
69	MP2B	Mx	-.005	5.25
70	MP2C	X	12.47	5.25
71	MP2C	Z	7.2	5.25
72	MP2C	Mx	-.004	5.25
73	OVP1	X	13.778	.75
74	OVP1	Z	7.955	.75
75	OVP1	Mx	0	.75
76	OVP2	X	13.778	.75
77	OVP2	Z	7.955	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.223	2.5
2	MP3A	Z	14.243	2.5
3	MP3A	Mx	-.004	2.5
4	MP3A	X	8.223	4.25
5	MP3A	Z	14.243	4.25
6	MP3A	Mx	-.004	4.25
7	MP3B	X	7.324	2.5
8	MP3B	Z	12.685	2.5
9	MP3B	Mx	.005	2.5
10	MP3B	X	7.324	4.25
11	MP3B	Z	12.685	4.25
12	MP3B	Mx	.005	4.25
13	MP3C	X	5.466	2.5
14	MP3C	Z	9.467	2.5
15	MP3C	Mx	.005	2.5
16	MP3C	X	5.466	4.25
17	MP3C	Z	9.467	4.25
18	MP3C	Mx	.005	4.25
19	MP1A	X	26.978	.75
20	MP1A	Z	46.727	.75
21	MP1A	Mx	.025	.75
22	MP1A	X	26.978	6
23	MP1A	Z	46.727	6
24	MP1A	Mx	.025	6
25	MP1B	X	24.476	.75
26	MP1B	Z	42.394	.75
27	MP1B	Mx	-.016	.75
28	MP1B	X	24.476	6
29	MP1B	Z	42.394	6
30	MP1B	Mx	-.016	6
31	MP1C	X	19.313	.75
32	MP1C	Z	33.451	.75
33	MP1C	Mx	.033	.75
34	MP1C	X	19.313	6
35	MP1C	Z	33.451	6
36	MP1C	Mx	.033	6
37	MP1A	X	26.978	.75
38	MP1A	Z	46.727	.75
39	MP1A	Mx	-.052	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	26.978	6
41	MP1A	Z	46.727	6
42	MP1A	Mx	-.052	6
43	MP1B	X	24.476	.75
44	MP1B	Z	42.394	.75
45	MP1B	Mx	.047	.75
46	MP1B	X	24.476	6
47	MP1B	Z	42.394	6
48	MP1B	Mx	.047	6
49	MP1C	X	19.313	.75
50	MP1C	Z	33.451	.75
51	MP1C	Mx	.000631	.75
52	MP1C	X	19.313	6
53	MP1C	Z	33.451	6
54	MP1C	Mx	.000631	6
55	MP1A	X	7.432	5.25
56	MP1A	Z	12.873	5.25
57	MP1A	Mx	.004	5.25
58	MP1B	X	7.032	5.25
59	MP1B	Z	12.181	5.25
60	MP1B	Mx	-.005	5.25
61	MP1C	X	6.207	5.25
62	MP1C	Z	10.75	5.25
63	MP1C	Mx	-.005	5.25
64	MP2A	X	7.2	5.25
65	MP2A	Z	12.47	5.25
66	MP2A	Mx	.004	5.25
67	MP2B	X	6.648	5.25
68	MP2B	Z	11.514	5.25
69	MP2B	Mx	-.004	5.25
70	MP2C	X	5.508	5.25
71	MP2C	Z	9.54	5.25
72	MP2C	Mx	-.005	5.25
73	OVP1	X	9.641	.75
74	OVP1	Z	16.699	.75
75	OVP1	Mx	0	.75
76	OVP2	X	9.641	.75
77	OVP2	Z	16.699	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	19.204	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	19.204	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5
8	MP3B	Z	18.872	2.5
9	MP3B	Mx	.002	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	18.872	4.25
12	MP3B	Mx	.002	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	8.175	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP3C	Mx	.004	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	8.175	4.25
18	MP3C	Mx	.004	4.25
19	MP1A	X	0	.75
20	MP1A	Z	61.621	.75
21	MP1A	Mx	.051	.75
22	MP1A	X	0	6
23	MP1A	Z	61.621	6
24	MP1A	Mx	.051	6
25	MP1B	X	0	.75
26	MP1B	Z	60.696	.75
27	MP1B	Mx	-.045	.75
28	MP1B	X	0	6
29	MP1B	Z	60.696	6
30	MP1B	Mx	-.045	6
31	MP1C	X	0	.75
32	MP1C	Z	30.961	.75
33	MP1C	Mx	.015	.75
34	MP1C	X	0	6
35	MP1C	Z	30.961	6
36	MP1C	Mx	.015	6
37	MP1A	X	0	.75
38	MP1A	Z	61.621	.75
39	MP1A	Mx	-.051	.75
40	MP1A	X	0	6
41	MP1A	Z	61.621	6
42	MP1A	Mx	-.051	6
43	MP1B	X	0	.75
44	MP1B	Z	60.696	.75
45	MP1B	Mx	.055	.75
46	MP1B	X	0	6
47	MP1B	Z	60.696	6
48	MP1B	Mx	.055	6
49	MP1C	X	0	.75
50	MP1C	Z	30.961	.75
51	MP1C	Mx	.015	.75
52	MP1C	X	0	6
53	MP1C	Z	30.961	6
54	MP1C	Mx	.015	6
55	MP1A	X	0	5.25
56	MP1A	Z	16.091	5.25
57	MP1A	Mx	0	5.25
58	MP1B	X	0	5.25
59	MP1B	Z	15.943	5.25
60	MP1B	Mx	-.001	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	11.188	5.25
63	MP1C	Mx	-.006	5.25
64	MP2A	X	0	5.25
65	MP2A	Z	16.091	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	15.887	5.25
69	MP2B	Mx	-.001	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	9.325	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.005	5.25
73	OVP1	X	0	.75
74	OVP1	Z	20.969	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	20.969	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.223	2.5
2	MP3A	Z	14.243	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.223	4.25
5	MP3A	Z	14.243	4.25
6	MP3A	Mx	.004	4.25
7	MP3B	X	-8.957	2.5
8	MP3B	Z	15.514	2.5
9	MP3B	Mx	-.003	2.5
10	MP3B	X	-8.957	4.25
11	MP3B	Z	15.514	4.25
12	MP3B	Mx	-.003	4.25
13	MP3C	X	-5.466	2.5
14	MP3C	Z	9.467	2.5
15	MP3C	Mx	.005	2.5
16	MP3C	X	-5.466	4.25
17	MP3C	Z	9.467	4.25
18	MP3C	Mx	.005	4.25
19	MP1A	X	-26.978	.75
20	MP1A	Z	46.727	.75
21	MP1A	Mx	.052	.75
22	MP1A	X	-26.978	6
23	MP1A	Z	46.727	6
24	MP1A	Mx	.052	6
25	MP1B	X	-29.017	.75
26	MP1B	Z	50.259	.75
27	MP1B	Mx	-.055	.75
28	MP1B	X	-29.017	6
29	MP1B	Z	50.259	6
30	MP1B	Mx	-.055	6
31	MP1C	X	-19.313	.75
32	MP1C	Z	33.451	.75
33	MP1C	Mx	.000631	.75
34	MP1C	X	-19.313	6
35	MP1C	Z	33.451	6
36	MP1C	Mx	.000631	6
37	MP1A	X	-26.978	.75
38	MP1A	Z	46.727	.75
39	MP1A	Mx	-.025	.75
40	MP1A	X	-26.978	6
41	MP1A	Z	46.727	6
42	MP1A	Mx	-.025	6
43	MP1B	X	-29.017	.75
44	MP1B	Z	50.259	.75
45	MP1B	Mx	.036	.75
46	MP1B	X	-29.017	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	Z	50.259	6
48	MP1B	Mx	.036	6
49	MP1C	X	-19.313	.75
50	MP1C	Z	33.451	.75
51	MP1C	Mx	.033	.75
52	MP1C	X	-19.313	6
53	MP1C	Z	33.451	6
54	MP1C	Mx	.033	6
55	MP1A	X	-7.432	5.25
56	MP1A	Z	12.873	5.25
57	MP1A	Mx	-.004	5.25
58	MP1B	X	-7.759	5.25
59	MP1B	Z	13.438	5.25
60	MP1B	Mx	.003	5.25
61	MP1C	X	-6.207	5.25
62	MP1C	Z	10.75	5.25
63	MP1C	Mx	-.005	5.25
64	MP2A	X	-7.2	5.25
65	MP2A	Z	12.47	5.25
66	MP2A	Mx	-.004	5.25
67	MP2B	X	-7.65	5.25
68	MP2B	Z	13.249	5.25
69	MP2B	Mx	.003	5.25
70	MP2C	X	-5.508	5.25
71	MP2C	Z	9.54	5.25
72	MP2C	Mx	-.005	5.25
73	OVP1	X	-9.641	.75
74	OVP1	Z	16.699	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-9.641	.75
77	OVP2	Z	16.699	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.467	2.5
2	MP3A	Z	5.466	2.5
3	MP3A	Mx	.005	2.5
4	MP3A	X	-9.467	4.25
5	MP3A	Z	5.466	4.25
6	MP3A	Mx	.005	4.25
7	MP3B	X	-11.026	2.5
8	MP3B	Z	6.366	2.5
9	MP3B	Mx	-.005	2.5
10	MP3B	X	-11.026	4.25
11	MP3B	Z	6.366	4.25
12	MP3B	Mx	-.005	4.25
13	MP3C	X	-14.243	2.5
14	MP3C	Z	8.223	2.5
15	MP3C	Mx	.004	2.5
16	MP3C	X	-14.243	4.25
17	MP3C	Z	8.223	4.25
18	MP3C	Mx	.004	4.25
19	MP1A	X	-33.451	.75
20	MP1A	Z	19.313	.75
21	MP1A	Mx	.033	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	-33.451	6
23	MP1A	Z	19.313	6
24	MP1A	Mx	.033	6
25	MP1B	X	-37.784	.75
26	MP1B	Z	21.814	.75
27	MP1B	Mx	-.04	.75
28	MP1B	X	-37.784	6
29	MP1B	Z	21.814	6
30	MP1B	Mx	-.04	6
31	MP1C	X	-46.727	.75
32	MP1C	Z	26.978	.75
33	MP1C	Mx	-.025	.75
34	MP1C	X	-46.727	6
35	MP1C	Z	26.978	6
36	MP1C	Mx	-.025	6
37	MP1A	X	-33.451	.75
38	MP1A	Z	19.313	.75
39	MP1A	Mx	.000631	.75
40	MP1A	X	-33.451	6
41	MP1A	Z	19.313	6
42	MP1A	Mx	.000631	6
43	MP1B	X	-37.784	.75
44	MP1B	Z	21.814	.75
45	MP1B	Mx	.007	.75
46	MP1B	X	-37.784	6
47	MP1B	Z	21.814	6
48	MP1B	Mx	.007	6
49	MP1C	X	-46.727	.75
50	MP1C	Z	26.978	.75
51	MP1C	Mx	.052	.75
52	MP1C	X	-46.727	6
53	MP1C	Z	26.978	6
54	MP1C	Mx	.052	6
55	MP1A	X	-10.75	5.25
56	MP1A	Z	6.207	5.25
57	MP1A	Mx	-.005	5.25
58	MP1B	X	-11.443	5.25
59	MP1B	Z	6.607	5.25
60	MP1B	Mx	.005	5.25
61	MP1C	X	-12.873	5.25
62	MP1C	Z	7.432	5.25
63	MP1C	Mx	-.004	5.25
64	MP2A	X	-9.54	5.25
65	MP2A	Z	5.508	5.25
66	MP2A	Mx	-.005	5.25
67	MP2B	X	-10.496	5.25
68	MP2B	Z	6.06	5.25
69	MP2B	Mx	.005	5.25
70	MP2C	X	-12.47	5.25
71	MP2C	Z	7.2	5.25
72	MP2C	Mx	-.004	5.25
73	OVP1	X	-13.778	.75
74	OVP1	Z	7.955	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-13.778	.75
77	OVP2	Z	7.955	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-8.175	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.175	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	.004	4.25
7	MP3B	X	-8.507	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.004	2.5
10	MP3B	X	-8.507	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	-.004	4.25
13	MP3C	X	-19.204	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-19.204	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	-30.961	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.015	.75
22	MP1A	X	-30.961	6
23	MP1A	Z	0	6
24	MP1A	Mx	.015	6
25	MP1B	X	-31.885	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.02	.75
28	MP1B	X	-31.885	6
29	MP1B	Z	0	6
30	MP1B	Mx	-.02	6
31	MP1C	X	-61.621	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.051	.75
34	MP1C	X	-61.621	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.051	6
37	MP1A	X	-30.961	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	.015	.75
40	MP1A	X	-30.961	6
41	MP1A	Z	0	6
42	MP1A	Mx	.015	6
43	MP1B	X	-31.885	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	-.011	.75
46	MP1B	X	-31.885	6
47	MP1B	Z	0	6
48	MP1B	Mx	-.011	6
49	MP1C	X	-61.621	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	.051	.75
52	MP1C	X	-61.621	6
53	MP1C	Z	0	6
54	MP1C	Mx	.051	6
55	MP1A	X	-11.188	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	-.006	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	-11.336	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	.006	5.25
61	MP1C	X	-16.091	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	-9.325	5.25
65	MP2A	Z	0	5.25
66	MP2A	Mx	-.005	5.25
67	MP2B	X	-9.529	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	.005	5.25
70	MP2C	X	-16.091	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	-14.223	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-14.223	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-9.467	2.5
2	MP3A	Z	-5.466	2.5
3	MP3A	Mx	.005	2.5
4	MP3A	X	-9.467	4.25
5	MP3A	Z	-5.466	4.25
6	MP3A	Mx	.005	4.25
7	MP3B	X	-8.197	2.5
8	MP3B	Z	-4.732	2.5
9	MP3B	Mx	-.004	2.5
10	MP3B	X	-8.197	4.25
11	MP3B	Z	-4.732	4.25
12	MP3B	Mx	-.004	4.25
13	MP3C	X	-14.243	2.5
14	MP3C	Z	-8.223	2.5
15	MP3C	Mx	-.004	2.5
16	MP3C	X	-14.243	4.25
17	MP3C	Z	-8.223	4.25
18	MP3C	Mx	-.004	4.25
19	MP1A	X	-33.451	.75
20	MP1A	Z	-19.313	.75
21	MP1A	Mx	.000631	.75
22	MP1A	X	-33.451	6
23	MP1A	Z	-19.313	6
24	MP1A	Mx	.000631	6
25	MP1B	X	-29.919	.75
26	MP1B	Z	-17.274	.75
27	MP1B	Mx	-.006	.75
28	MP1B	X	-29.919	6
29	MP1B	Z	-17.274	6
30	MP1B	Mx	-.006	6
31	MP1C	X	-46.727	.75
32	MP1C	Z	-26.978	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP1C	Mx	-.052	.75
34	MP1C	X	-46.727	6
35	MP1C	Z	-26.978	6
36	MP1C	Mx	-.052	6
37	MP1A	X	-33.451	.75
38	MP1A	Z	-19.313	.75
39	MP1A	Mx	.033	.75
40	MP1A	X	-33.451	6
41	MP1A	Z	-19.313	6
42	MP1A	Mx	.033	6
43	MP1B	X	-29.919	.75
44	MP1B	Z	-17.274	.75
45	MP1B	Mx	-.026	.75
46	MP1B	X	-29.919	6
47	MP1B	Z	-17.274	6
48	MP1B	Mx	-.026	6
49	MP1C	X	-46.727	.75
50	MP1C	Z	-26.978	.75
51	MP1C	Mx	.025	.75
52	MP1C	X	-46.727	6
53	MP1C	Z	-26.978	6
54	MP1C	Mx	.025	6
55	MP1A	X	-10.75	5.25
56	MP1A	Z	-6.207	5.25
57	MP1A	Mx	-.005	5.25
58	MP1B	X	-10.186	5.25
59	MP1B	Z	-5.881	5.25
60	MP1B	Mx	.006	5.25
61	MP1C	X	-12.873	5.25
62	MP1C	Z	-7.432	5.25
63	MP1C	Mx	.004	5.25
64	MP2A	X	-9.54	5.25
65	MP2A	Z	-5.508	5.25
66	MP2A	Mx	-.005	5.25
67	MP2B	X	-8.761	5.25
68	MP2B	Z	-5.058	5.25
69	MP2B	Mx	.005	5.25
70	MP2C	X	-12.47	5.25
71	MP2C	Z	-7.2	5.25
72	MP2C	Mx	.004	5.25
73	OVP1	X	-13.778	.75
74	OVP1	Z	-7.955	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-13.778	.75
77	OVP2	Z	-7.955	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	-8.223	2.5
2	MP3A	Z	-14.243	2.5
3	MP3A	Mx	.004	2.5
4	MP3A	X	-8.223	4.25
5	MP3A	Z	-14.243	4.25
6	MP3A	Mx	.004	4.25
7	MP3B	X	-7.324	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP3B	Z	-12.685	2.5
9	MP3B	Mx	-.005	2.5
10	MP3B	X	-7.324	4.25
11	MP3B	Z	-12.685	4.25
12	MP3B	Mx	-.005	4.25
13	MP3C	X	-5.466	2.5
14	MP3C	Z	-9.467	2.5
15	MP3C	Mx	-.005	2.5
16	MP3C	X	-5.466	4.25
17	MP3C	Z	-9.467	4.25
18	MP3C	Mx	-.005	4.25
19	MP1A	X	-26.978	.75
20	MP1A	Z	-46.727	.75
21	MP1A	Mx	-.025	.75
22	MP1A	X	-26.978	6
23	MP1A	Z	-46.727	6
24	MP1A	Mx	-.025	6
25	MP1B	X	-24.476	.75
26	MP1B	Z	-42.394	.75
27	MP1B	Mx	.016	.75
28	MP1B	X	-24.476	6
29	MP1B	Z	-42.394	6
30	MP1B	Mx	.016	6
31	MP1C	X	-19.313	.75
32	MP1C	Z	-33.451	.75
33	MP1C	Mx	-.033	.75
34	MP1C	X	-19.313	6
35	MP1C	Z	-33.451	6
36	MP1C	Mx	-.033	6
37	MP1A	X	-26.978	.75
38	MP1A	Z	-46.727	.75
39	MP1A	Mx	.052	.75
40	MP1A	X	-26.978	6
41	MP1A	Z	-46.727	6
42	MP1A	Mx	.052	6
43	MP1B	X	-24.476	.75
44	MP1B	Z	-42.394	.75
45	MP1B	Mx	-.047	.75
46	MP1B	X	-24.476	6
47	MP1B	Z	-42.394	6
48	MP1B	Mx	-.047	6
49	MP1C	X	-19.313	.75
50	MP1C	Z	-33.451	.75
51	MP1C	Mx	-.000631	.75
52	MP1C	X	-19.313	6
53	MP1C	Z	-33.451	6
54	MP1C	Mx	-.000631	6
55	MP1A	X	-7.432	5.25
56	MP1A	Z	-12.873	5.25
57	MP1A	Mx	-.004	5.25
58	MP1B	X	-7.032	5.25
59	MP1B	Z	-12.181	5.25
60	MP1B	Mx	.005	5.25
61	MP1C	X	-6.207	5.25
62	MP1C	Z	-10.75	5.25
63	MP1C	Mx	.005	5.25
64	MP2A	X	-7.2	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-12.47	5.25
66	MP2A	Mx	-.004	5.25
67	MP2B	X	-6.648	5.25
68	MP2B	Z	-11.514	5.25
69	MP2B	Mx	.004	5.25
70	MP2C	X	-5.508	5.25
71	MP2C	Z	-9.54	5.25
72	MP2C	Mx	.005	5.25
73	OVP1	X	-9.641	.75
74	OVP1	Z	-16.699	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-9.641	.75
77	OVP2	Z	-16.699	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	-6.126	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	-6.126	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5
8	MP3B	Z	-6.013	2.5
9	MP3B	Mx	-.000522	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	-6.013	4.25
12	MP3B	Mx	-.000522	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	-2.398	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	-2.398	4.25
18	MP3C	Mx	-.001	4.25
19	MP1A	X	0	.75
20	MP1A	Z	-20.71	.75
21	MP1A	Mx	-.017	.75
22	MP1A	X	0	6
23	MP1A	Z	-20.71	6
24	MP1A	Mx	-.017	6
25	MP1B	X	0	.75
26	MP1B	Z	-20.383	.75
27	MP1B	Mx	.015	.75
28	MP1B	X	0	6
29	MP1B	Z	-20.383	6
30	MP1B	Mx	.015	6
31	MP1C	X	0	.75
32	MP1C	Z	-9.863	.75
33	MP1C	Mx	-.005	.75
34	MP1C	X	0	6
35	MP1C	Z	-9.863	6
36	MP1C	Mx	-.005	6
37	MP1A	X	0	.75
38	MP1A	Z	-20.71	.75
39	MP1A	Mx	.017	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	0	6
41	MP1A	Z	-20.71	6
42	MP1A	Mx	.017	6
43	MP1B	X	0	.75
44	MP1B	Z	-20.383	.75
45	MP1B	Mx	-.018	.75
46	MP1B	X	0	6
47	MP1B	Z	-20.383	6
48	MP1B	Mx	-.018	6
49	MP1C	X	0	.75
50	MP1C	Z	-9.863	.75
51	MP1C	Mx	-.005	.75
52	MP1C	X	0	6
53	MP1C	Z	-9.863	6
54	MP1C	Mx	-.005	6
55	MP1A	X	0	5.25
56	MP1A	Z	-4.85	5.25
57	MP1A	Mx	0	5.25
58	MP1B	X	0	5.25
59	MP1B	Z	-4.802	5.25
60	MP1B	Mx	.000417	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	-3.242	5.25
63	MP1C	Mx	.002	5.25
64	MP2A	X	0	5.25
65	MP2A	Z	-4.85	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	-4.783	5.25
69	MP2B	Mx	.000415	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	-2.626	5.25
72	MP2C	Mx	.001	5.25
73	OVP1	X	0	.75
74	OVP1	Z	-6.484	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	-6.484	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.597	2.5
2	MP3A	Z	-4.498	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.597	4.25
5	MP3A	Z	-4.498	4.25
6	MP3A	Mx	-.001	4.25
7	MP3B	X	2.845	2.5
8	MP3B	Z	-4.927	2.5
9	MP3B	Mx	.000973	2.5
10	MP3B	X	2.845	4.25
11	MP3B	Z	-4.927	4.25
12	MP3B	Mx	.000973	4.25
13	MP3C	X	1.665	2.5
14	MP3C	Z	-2.884	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
15	MP3C	Mx	-.001	2.5
16	MP3C	X	1.665	4.25
17	MP3C	Z	-2.884	4.25
18	MP3C	Mx	-.001	4.25
19	MP1A	X	8.999	.75
20	MP1A	Z	-15.587	.75
21	MP1A	Mx	-.017	.75
22	MP1A	X	8.999	6
23	MP1A	Z	-15.587	6
24	MP1A	Mx	-.017	6
25	MP1B	X	9.721	.75
26	MP1B	Z	-16.837	.75
27	MP1B	Mx	.019	.75
28	MP1B	X	9.721	6
29	MP1B	Z	-16.837	6
30	MP1B	Mx	.019	6
31	MP1C	X	6.288	.75
32	MP1C	Z	-10.89	.75
33	MP1C	Mx	-.000205	.75
34	MP1C	X	6.288	6
35	MP1C	Z	-10.89	6
36	MP1C	Mx	-.000205	6
37	MP1A	X	8.999	.75
38	MP1A	Z	-15.587	.75
39	MP1A	Mx	.008	.75
40	MP1A	X	8.999	6
41	MP1A	Z	-15.587	6
42	MP1A	Mx	.008	6
43	MP1B	X	9.721	.75
44	MP1B	Z	-16.837	.75
45	MP1B	Mx	-.012	.75
46	MP1B	X	9.721	6
47	MP1B	Z	-16.837	6
48	MP1B	Mx	-.012	6
49	MP1C	X	6.288	.75
50	MP1C	Z	-10.89	.75
51	MP1C	Mx	-.011	.75
52	MP1C	X	6.288	6
53	MP1C	Z	-10.89	6
54	MP1C	Mx	-.011	6
55	MP1A	X	2.224	5.25
56	MP1A	Z	-3.852	5.25
57	MP1A	Mx	.001	5.25
58	MP1B	X	2.331	5.25
59	MP1B	Z	-4.037	5.25
60	MP1B	Mx	-.000797	5.25
61	MP1C	X	1.822	5.25
62	MP1C	Z	-3.156	5.25
63	MP1C	Mx	.002	5.25
64	MP2A	X	2.147	5.25
65	MP2A	Z	-3.719	5.25
66	MP2A	Mx	.001	5.25
67	MP2B	X	2.295	5.25
68	MP2B	Z	-3.975	5.25
69	MP2B	Mx	-.000785	5.25
70	MP2C	X	1.591	5.25
71	MP2C	Z	-2.756	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.001	5.25
73	OVP1	X	2.958	.75
74	OVP1	Z	-5.123	.75
75	OVP1	Mx	0	.75
76	OVP2	X	2.958	.75
77	OVP2	Z	-5.123	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.884	2.5
2	MP3A	Z	-1.665	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.884	4.25
5	MP3A	Z	-1.665	4.25
6	MP3A	Mx	-.001	4.25
7	MP3B	X	3.411	2.5
8	MP3B	Z	-1.969	2.5
9	MP3B	Mx	.002	2.5
10	MP3B	X	3.411	4.25
11	MP3B	Z	-1.969	4.25
12	MP3B	Mx	.002	4.25
13	MP3C	X	4.498	2.5
14	MP3C	Z	-2.597	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	4.498	4.25
17	MP3C	Z	-2.597	4.25
18	MP3C	Mx	-.001	4.25
19	MP1A	X	10.89	.75
20	MP1A	Z	-6.288	.75
21	MP1A	Mx	-.011	.75
22	MP1A	X	10.89	6
23	MP1A	Z	-6.288	6
24	MP1A	Mx	-.011	6
25	MP1B	X	12.423	.75
26	MP1B	Z	-7.173	.75
27	MP1B	Mx	.013	.75
28	MP1B	X	12.423	6
29	MP1B	Z	-7.173	6
30	MP1B	Mx	.013	6
31	MP1C	X	15.587	.75
32	MP1C	Z	-8.999	.75
33	MP1C	Mx	.008	.75
34	MP1C	X	15.587	6
35	MP1C	Z	-8.999	6
36	MP1C	Mx	.008	6
37	MP1A	X	10.89	.75
38	MP1A	Z	-6.288	.75
39	MP1A	Mx	-.000205	.75
40	MP1A	X	10.89	6
41	MP1A	Z	-6.288	6
42	MP1A	Mx	-.000205	6
43	MP1B	X	12.423	.75
44	MP1B	Z	-7.173	.75
45	MP1B	Mx	-.002	.75
46	MP1B	X	12.423	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	Z	-7.173	6
48	MP1B	Mx	-.002	6
49	MP1C	X	15.587	.75
50	MP1C	Z	-8.999	.75
51	MP1C	Mx	-.017	.75
52	MP1C	X	15.587	6
53	MP1C	Z	-8.999	6
54	MP1C	Mx	-.017	6
55	MP1A	X	3.156	5.25
56	MP1A	Z	-1.822	5.25
57	MP1A	Mx	.002	5.25
58	MP1B	X	3.383	5.25
59	MP1B	Z	-1.953	5.25
60	MP1B	Mx	-.001	5.25
61	MP1C	X	3.852	5.25
62	MP1C	Z	-2.224	5.25
63	MP1C	Mx	.001	5.25
64	MP2A	X	2.756	5.25
65	MP2A	Z	-1.591	5.25
66	MP2A	Mx	.001	5.25
67	MP2B	X	3.07	5.25
68	MP2B	Z	-1.772	5.25
69	MP2B	Mx	-.001	5.25
70	MP2C	X	3.719	5.25
71	MP2C	Z	-2.147	5.25
72	MP2C	Mx	.001	5.25
73	OVP1	X	4.139	.75
74	OVP1	Z	-2.39	.75
75	OVP1	Mx	0	.75
76	OVP2	X	4.139	.75
77	OVP2	Z	-2.39	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.398	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.398	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	-.001	4.25
7	MP3B	X	2.511	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	2.511	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	.001	4.25
13	MP3C	X	6.126	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	6.126	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	9.863	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	-.005	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	9.863	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.005	6
25	MP1B	X	10.19	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	.006	.75
28	MP1B	X	10.19	6
29	MP1B	Z	0	6
30	MP1B	Mx	.006	6
31	MP1C	X	20.71	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	.017	.75
34	MP1C	X	20.71	6
35	MP1C	Z	0	6
36	MP1C	Mx	.017	6
37	MP1A	X	9.863	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	-.005	.75
40	MP1A	X	9.863	6
41	MP1A	Z	0	6
42	MP1A	Mx	-.005	6
43	MP1B	X	10.19	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	.004	.75
46	MP1B	X	10.19	6
47	MP1B	Z	0	6
48	MP1B	Mx	.004	6
49	MP1C	X	20.71	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	-.017	.75
52	MP1C	X	20.71	6
53	MP1C	Z	0	6
54	MP1C	Mx	-.017	6
55	MP1A	X	3.242	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	.002	5.25
58	MP1B	X	3.291	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	-.002	5.25
61	MP1C	X	4.85	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	2.626	5.25
65	MP2A	Z	0	5.25
66	MP2A	Mx	.001	5.25
67	MP2B	X	2.693	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	-.001	5.25
70	MP2C	X	4.85	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	4.211	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	4.211	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	2.884	2.5
2	MP3A	Z	1.665	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.884	4.25
5	MP3A	Z	1.665	4.25
6	MP3A	Mx	-.001	4.25
7	MP3B	X	2.455	2.5
8	MP3B	Z	1.417	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	2.455	4.25
11	MP3B	Z	1.417	4.25
12	MP3B	Mx	.001	4.25
13	MP3C	X	4.498	2.5
14	MP3C	Z	2.597	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	4.498	4.25
17	MP3C	Z	2.597	4.25
18	MP3C	Mx	.001	4.25
19	MP1A	X	10.89	.75
20	MP1A	Z	6.288	.75
21	MP1A	Mx	-.000205	.75
22	MP1A	X	10.89	6
23	MP1A	Z	6.288	6
24	MP1A	Mx	-.000205	6
25	MP1B	X	9.641	.75
26	MP1B	Z	5.566	.75
27	MP1B	Mx	.002	.75
28	MP1B	X	9.641	6
29	MP1B	Z	5.566	6
30	MP1B	Mx	.002	6
31	MP1C	X	15.587	.75
32	MP1C	Z	8.999	.75
33	MP1C	Mx	.017	.75
34	MP1C	X	15.587	6
35	MP1C	Z	8.999	6
36	MP1C	Mx	.017	6
37	MP1A	X	10.89	.75
38	MP1A	Z	6.288	.75
39	MP1A	Mx	-.011	.75
40	MP1A	X	10.89	6
41	MP1A	Z	6.288	6
42	MP1A	Mx	-.011	6
43	MP1B	X	9.641	.75
44	MP1B	Z	5.566	.75
45	MP1B	Mx	.008	.75
46	MP1B	X	9.641	6
47	MP1B	Z	5.566	6
48	MP1B	Mx	.008	6
49	MP1C	X	15.587	.75
50	MP1C	Z	8.999	.75
51	MP1C	Mx	-.008	.75
52	MP1C	X	15.587	6
53	MP1C	Z	8.999	6
54	MP1C	Mx	-.008	6
55	MP1A	X	3.156	5.25
56	MP1A	Z	1.822	5.25
57	MP1A	Mx	.002	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	2.971	5.25
59	MP1B	Z	1.715	5.25
60	MP1B	Mx	-.002	5.25
61	MP1C	X	3.852	5.25
62	MP1C	Z	2.224	5.25
63	MP1C	Mx	-.001	5.25
64	MP2A	X	2.756	5.25
65	MP2A	Z	1.591	5.25
66	MP2A	Mx	.001	5.25
67	MP2B	X	2.5	5.25
68	MP2B	Z	1.443	5.25
69	MP2B	Mx	-.001	5.25
70	MP2C	X	3.719	5.25
71	MP2C	Z	2.147	5.25
72	MP2C	Mx	-.001	5.25
73	OVP1	X	4.139	.75
74	OVP1	Z	2.39	.75
75	OVP1	Mx	0	.75
76	OVP2	X	4.139	.75
77	OVP2	Z	2.39	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	2.597	2.5
2	MP3A	Z	4.498	2.5
3	MP3A	Mx	-.001	2.5
4	MP3A	X	2.597	4.25
5	MP3A	Z	4.498	4.25
6	MP3A	Mx	-.001	4.25
7	MP3B	X	2.293	2.5
8	MP3B	Z	3.971	2.5
9	MP3B	Mx	.001	2.5
10	MP3B	X	2.293	4.25
11	MP3B	Z	3.971	4.25
12	MP3B	Mx	.001	4.25
13	MP3C	X	1.665	2.5
14	MP3C	Z	2.884	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	1.665	4.25
17	MP3C	Z	2.884	4.25
18	MP3C	Mx	.001	4.25
19	MP1A	X	8.999	.75
20	MP1A	Z	15.587	.75
21	MP1A	Mx	.008	.75
22	MP1A	X	8.999	6
23	MP1A	Z	15.587	6
24	MP1A	Mx	.008	6
25	MP1B	X	8.114	.75
26	MP1B	Z	14.054	.75
27	MP1B	Mx	-.005	.75
28	MP1B	X	8.114	6
29	MP1B	Z	14.054	6
30	MP1B	Mx	-.005	6
31	MP1C	X	6.288	.75
32	MP1C	Z	10.89	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP1C	Mx	.011	.75
34	MP1C	X	6.288	6
35	MP1C	Z	10.89	6
36	MP1C	Mx	.011	6
37	MP1A	X	8.999	.75
38	MP1A	Z	15.587	.75
39	MP1A	Mx	-.017	.75
40	MP1A	X	8.999	6
41	MP1A	Z	15.587	6
42	MP1A	Mx	-.017	6
43	MP1B	X	8.114	.75
44	MP1B	Z	14.054	.75
45	MP1B	Mx	.016	.75
46	MP1B	X	8.114	6
47	MP1B	Z	14.054	6
48	MP1B	Mx	.016	6
49	MP1C	X	6.288	.75
50	MP1C	Z	10.89	.75
51	MP1C	Mx	.000205	.75
52	MP1C	X	6.288	6
53	MP1C	Z	10.89	6
54	MP1C	Mx	.000205	6
55	MP1A	X	2.224	5.25
56	MP1A	Z	3.852	5.25
57	MP1A	Mx	.001	5.25
58	MP1B	X	2.093	5.25
59	MP1B	Z	3.625	5.25
60	MP1B	Mx	-.001	5.25
61	MP1C	X	1.822	5.25
62	MP1C	Z	3.156	5.25
63	MP1C	Mx	-.002	5.25
64	MP2A	X	2.147	5.25
65	MP2A	Z	3.719	5.25
66	MP2A	Mx	.001	5.25
67	MP2B	X	1.966	5.25
68	MP2B	Z	3.405	5.25
69	MP2B	Mx	-.001	5.25
70	MP2C	X	1.591	5.25
71	MP2C	Z	2.756	5.25
72	MP2C	Mx	-.001	5.25
73	OVP1	X	2.958	.75
74	OVP1	Z	5.123	.75
75	OVP1	Mx	0	.75
76	OVP2	X	2.958	.75
77	OVP2	Z	5.123	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP3A	X	0	2.5
2	MP3A	Z	6.126	2.5
3	MP3A	Mx	0	2.5
4	MP3A	X	0	4.25
5	MP3A	Z	6.126	4.25
6	MP3A	Mx	0	4.25
7	MP3B	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	6.013	2.5
9	MP3B	Mx	.000522	2.5
10	MP3B	X	0	4.25
11	MP3B	Z	6.013	4.25
12	MP3B	Mx	.000522	4.25
13	MP3C	X	0	2.5
14	MP3C	Z	2.398	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	0	4.25
17	MP3C	Z	2.398	4.25
18	MP3C	Mx	.001	4.25
19	MP1A	X	0	.75
20	MP1A	Z	20.71	.75
21	MP1A	Mx	.017	.75
22	MP1A	X	0	6
23	MP1A	Z	20.71	6
24	MP1A	Mx	.017	6
25	MP1B	X	0	.75
26	MP1B	Z	20.383	.75
27	MP1B	Mx	-.015	.75
28	MP1B	X	0	6
29	MP1B	Z	20.383	6
30	MP1B	Mx	-.015	6
31	MP1C	X	0	.75
32	MP1C	Z	9.863	.75
33	MP1C	Mx	.005	.75
34	MP1C	X	0	6
35	MP1C	Z	9.863	6
36	MP1C	Mx	.005	6
37	MP1A	X	0	.75
38	MP1A	Z	20.71	.75
39	MP1A	Mx	-.017	.75
40	MP1A	X	0	6
41	MP1A	Z	20.71	6
42	MP1A	Mx	-.017	6
43	MP1B	X	0	.75
44	MP1B	Z	20.383	.75
45	MP1B	Mx	.018	.75
46	MP1B	X	0	6
47	MP1B	Z	20.383	6
48	MP1B	Mx	.018	6
49	MP1C	X	0	.75
50	MP1C	Z	9.863	.75
51	MP1C	Mx	.005	.75
52	MP1C	X	0	6
53	MP1C	Z	9.863	6
54	MP1C	Mx	.005	6
55	MP1A	X	0	5.25
56	MP1A	Z	4.85	5.25
57	MP1A	Mx	0	5.25
58	MP1B	X	0	5.25
59	MP1B	Z	4.802	5.25
60	MP1B	Mx	-.000417	5.25
61	MP1C	X	0	5.25
62	MP1C	Z	3.242	5.25
63	MP1C	Mx	-.002	5.25
64	MP2A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	4.85	5.25
66	MP2A	Mx	0	5.25
67	MP2B	X	0	5.25
68	MP2B	Z	4.783	5.25
69	MP2B	Mx	-.000415	5.25
70	MP2C	X	0	5.25
71	MP2C	Z	2.626	5.25
72	MP2C	Mx	-.001	5.25
73	OVP1	X	0	.75
74	OVP1	Z	6.484	.75
75	OVP1	Mx	0	.75
76	OVP2	X	0	.75
77	OVP2	Z	6.484	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.597	2.5
2	MP3A	Z	4.498	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.597	4.25
5	MP3A	Z	4.498	4.25
6	MP3A	Mx	.001	4.25
7	MP3B	X	-2.845	2.5
8	MP3B	Z	4.927	2.5
9	MP3B	Mx	-.000973	2.5
10	MP3B	X	-2.845	4.25
11	MP3B	Z	4.927	4.25
12	MP3B	Mx	-.000973	4.25
13	MP3C	X	-1.665	2.5
14	MP3C	Z	2.884	2.5
15	MP3C	Mx	.001	2.5
16	MP3C	X	-1.665	4.25
17	MP3C	Z	2.884	4.25
18	MP3C	Mx	.001	4.25
19	MP1A	X	-8.999	.75
20	MP1A	Z	15.587	.75
21	MP1A	Mx	.017	.75
22	MP1A	X	-8.999	6
23	MP1A	Z	15.587	6
24	MP1A	Mx	.017	6
25	MP1B	X	-9.721	.75
26	MP1B	Z	16.837	.75
27	MP1B	Mx	-.019	.75
28	MP1B	X	-9.721	6
29	MP1B	Z	16.837	6
30	MP1B	Mx	-.019	6
31	MP1C	X	-6.288	.75
32	MP1C	Z	10.89	.75
33	MP1C	Mx	.000205	.75
34	MP1C	X	-6.288	6
35	MP1C	Z	10.89	6
36	MP1C	Mx	.000205	6
37	MP1A	X	-8.999	.75
38	MP1A	Z	15.587	.75
39	MP1A	Mx	-.008	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-8.999	6
41	MP1A	Z	15.587	6
42	MP1A	Mx	-.008	6
43	MP1B	X	-9.721	.75
44	MP1B	Z	16.837	.75
45	MP1B	Mx	.012	.75
46	MP1B	X	-9.721	6
47	MP1B	Z	16.837	6
48	MP1B	Mx	.012	6
49	MP1C	X	-6.288	.75
50	MP1C	Z	10.89	.75
51	MP1C	Mx	.011	.75
52	MP1C	X	-6.288	6
53	MP1C	Z	10.89	6
54	MP1C	Mx	.011	6
55	MP1A	X	-2.224	5.25
56	MP1A	Z	3.852	5.25
57	MP1A	Mx	-.001	5.25
58	MP1B	X	-2.331	5.25
59	MP1B	Z	4.037	5.25
60	MP1B	Mx	.000797	5.25
61	MP1C	X	-1.822	5.25
62	MP1C	Z	3.156	5.25
63	MP1C	Mx	-.002	5.25
64	MP2A	X	-2.147	5.25
65	MP2A	Z	3.719	5.25
66	MP2A	Mx	-.001	5.25
67	MP2B	X	-2.295	5.25
68	MP2B	Z	3.975	5.25
69	MP2B	Mx	.000785	5.25
70	MP2C	X	-1.591	5.25
71	MP2C	Z	2.756	5.25
72	MP2C	Mx	-.001	5.25
73	OVP1	X	-2.958	.75
74	OVP1	Z	5.123	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-2.958	.75
77	OVP2	Z	5.123	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.884	2.5
2	MP3A	Z	1.665	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.884	4.25
5	MP3A	Z	1.665	4.25
6	MP3A	Mx	.001	4.25
7	MP3B	X	-3.411	2.5
8	MP3B	Z	1.969	2.5
9	MP3B	Mx	-.002	2.5
10	MP3B	X	-3.411	4.25
11	MP3B	Z	1.969	4.25
12	MP3B	Mx	-.002	4.25
13	MP3C	X	-4.498	2.5
14	MP3C	Z	2.597	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP3C	Mx	.001	2.5
16	MP3C	X	-4.498	4.25
17	MP3C	Z	2.597	4.25
18	MP3C	Mx	.001	4.25
19	MP1A	X	-10.89	.75
20	MP1A	Z	6.288	.75
21	MP1A	Mx	.011	.75
22	MP1A	X	-10.89	6
23	MP1A	Z	6.288	6
24	MP1A	Mx	.011	6
25	MP1B	X	-12.423	.75
26	MP1B	Z	7.173	.75
27	MP1B	Mx	-.013	.75
28	MP1B	X	-12.423	6
29	MP1B	Z	7.173	6
30	MP1B	Mx	-.013	6
31	MP1C	X	-15.587	.75
32	MP1C	Z	8.999	.75
33	MP1C	Mx	-.008	.75
34	MP1C	X	-15.587	6
35	MP1C	Z	8.999	6
36	MP1C	Mx	-.008	6
37	MP1A	X	-10.89	.75
38	MP1A	Z	6.288	.75
39	MP1A	Mx	.000205	.75
40	MP1A	X	-10.89	6
41	MP1A	Z	6.288	6
42	MP1A	Mx	.000205	6
43	MP1B	X	-12.423	.75
44	MP1B	Z	7.173	.75
45	MP1B	Mx	.002	.75
46	MP1B	X	-12.423	6
47	MP1B	Z	7.173	6
48	MP1B	Mx	.002	6
49	MP1C	X	-15.587	.75
50	MP1C	Z	8.999	.75
51	MP1C	Mx	.017	.75
52	MP1C	X	-15.587	6
53	MP1C	Z	8.999	6
54	MP1C	Mx	.017	6
55	MP1A	X	-3.156	5.25
56	MP1A	Z	1.822	5.25
57	MP1A	Mx	-.002	5.25
58	MP1B	X	-3.383	5.25
59	MP1B	Z	1.953	5.25
60	MP1B	Mx	.001	5.25
61	MP1C	X	-3.852	5.25
62	MP1C	Z	2.224	5.25
63	MP1C	Mx	-.001	5.25
64	MP2A	X	-2.756	5.25
65	MP2A	Z	1.591	5.25
66	MP2A	Mx	-.001	5.25
67	MP2B	X	-3.07	5.25
68	MP2B	Z	1.772	5.25
69	MP2B	Mx	.001	5.25
70	MP2C	X	-3.719	5.25
71	MP2C	Z	2.147	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.001	5.25
73	OVP1	X	-4.139	.75
74	OVP1	Z	2.39	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-4.139	.75
77	OVP2	Z	2.39	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.398	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.398	4.25
5	MP3A	Z	0	4.25
6	MP3A	Mx	.001	4.25
7	MP3B	X	-2.511	2.5
8	MP3B	Z	0	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-2.511	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	-.001	4.25
13	MP3C	X	-6.126	2.5
14	MP3C	Z	0	2.5
15	MP3C	Mx	0	2.5
16	MP3C	X	-6.126	4.25
17	MP3C	Z	0	4.25
18	MP3C	Mx	0	4.25
19	MP1A	X	-9.863	.75
20	MP1A	Z	0	.75
21	MP1A	Mx	.005	.75
22	MP1A	X	-9.863	6
23	MP1A	Z	0	6
24	MP1A	Mx	.005	6
25	MP1B	X	-10.19	.75
26	MP1B	Z	0	.75
27	MP1B	Mx	-.006	.75
28	MP1B	X	-10.19	6
29	MP1B	Z	0	6
30	MP1B	Mx	-.006	6
31	MP1C	X	-20.71	.75
32	MP1C	Z	0	.75
33	MP1C	Mx	-.017	.75
34	MP1C	X	-20.71	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.017	6
37	MP1A	X	-9.863	.75
38	MP1A	Z	0	.75
39	MP1A	Mx	.005	.75
40	MP1A	X	-9.863	6
41	MP1A	Z	0	6
42	MP1A	Mx	.005	6
43	MP1B	X	-10.19	.75
44	MP1B	Z	0	.75
45	MP1B	Mx	-.004	.75
46	MP1B	X	-10.19	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
47	MP1B	Z	0	6
48	MP1B	Mx	-.004	6
49	MP1C	X	-20.71	.75
50	MP1C	Z	0	.75
51	MP1C	Mx	.017	.75
52	MP1C	X	-20.71	6
53	MP1C	Z	0	6
54	MP1C	Mx	.017	6
55	MP1A	X	-3.242	5.25
56	MP1A	Z	0	5.25
57	MP1A	Mx	-.002	5.25
58	MP1B	X	-3.291	5.25
59	MP1B	Z	0	5.25
60	MP1B	Mx	.002	5.25
61	MP1C	X	-4.85	5.25
62	MP1C	Z	0	5.25
63	MP1C	Mx	0	5.25
64	MP2A	X	-2.626	5.25
65	MP2A	Z	0	5.25
66	MP2A	Mx	-.001	5.25
67	MP2B	X	-2.693	5.25
68	MP2B	Z	0	5.25
69	MP2B	Mx	.001	5.25
70	MP2C	X	-4.85	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	0	5.25
73	OVP1	X	-4.211	.75
74	OVP1	Z	0	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-4.211	.75
77	OVP2	Z	0	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-2.884	2.5
2	MP3A	Z	-1.665	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.884	4.25
5	MP3A	Z	-1.665	4.25
6	MP3A	Mx	.001	4.25
7	MP3B	X	-2.455	2.5
8	MP3B	Z	-1.417	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-2.455	4.25
11	MP3B	Z	-1.417	4.25
12	MP3B	Mx	-.001	4.25
13	MP3C	X	-4.498	2.5
14	MP3C	Z	-2.597	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	-4.498	4.25
17	MP3C	Z	-2.597	4.25
18	MP3C	Mx	-.001	4.25
19	MP1A	X	-10.89	.75
20	MP1A	Z	-6.288	.75
21	MP1A	Mx	.000205	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	-10.89	6
23	MP1A	Z	-6.288	6
24	MP1A	Mx	.000205	6
25	MP1B	X	-9.641	.75
26	MP1B	Z	-5.566	.75
27	MP1B	Mx	-.002	.75
28	MP1B	X	-9.641	6
29	MP1B	Z	-5.566	6
30	MP1B	Mx	-.002	6
31	MP1C	X	-15.587	.75
32	MP1C	Z	-8.999	.75
33	MP1C	Mx	-.017	.75
34	MP1C	X	-15.587	6
35	MP1C	Z	-8.999	6
36	MP1C	Mx	-.017	6
37	MP1A	X	-10.89	.75
38	MP1A	Z	-6.288	.75
39	MP1A	Mx	.011	.75
40	MP1A	X	-10.89	6
41	MP1A	Z	-6.288	6
42	MP1A	Mx	.011	6
43	MP1B	X	-9.641	.75
44	MP1B	Z	-5.566	.75
45	MP1B	Mx	-.008	.75
46	MP1B	X	-9.641	6
47	MP1B	Z	-5.566	6
48	MP1B	Mx	-.008	6
49	MP1C	X	-15.587	.75
50	MP1C	Z	-8.999	.75
51	MP1C	Mx	.008	.75
52	MP1C	X	-15.587	6
53	MP1C	Z	-8.999	6
54	MP1C	Mx	.008	6
55	MP1A	X	-3.156	5.25
56	MP1A	Z	-1.822	5.25
57	MP1A	Mx	-.002	5.25
58	MP1B	X	-2.971	5.25
59	MP1B	Z	-1.715	5.25
60	MP1B	Mx	.002	5.25
61	MP1C	X	-3.852	5.25
62	MP1C	Z	-2.224	5.25
63	MP1C	Mx	.001	5.25
64	MP2A	X	-2.756	5.25
65	MP2A	Z	-1.591	5.25
66	MP2A	Mx	-.001	5.25
67	MP2B	X	-2.5	5.25
68	MP2B	Z	-1.443	5.25
69	MP2B	Mx	.001	5.25
70	MP2C	X	-3.719	5.25
71	MP2C	Z	-2.147	5.25
72	MP2C	Mx	.001	5.25
73	OVP1	X	-4.139	.75
74	OVP1	Z	-2.39	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-4.139	.75
77	OVP2	Z	-2.39	.75
78	OVP2	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-2.597	2.5
2	MP3A	Z	-4.498	2.5
3	MP3A	Mx	.001	2.5
4	MP3A	X	-2.597	4.25
5	MP3A	Z	-4.498	4.25
6	MP3A	Mx	.001	4.25
7	MP3B	X	-2.293	2.5
8	MP3B	Z	-3.971	2.5
9	MP3B	Mx	-.001	2.5
10	MP3B	X	-2.293	4.25
11	MP3B	Z	-3.971	4.25
12	MP3B	Mx	-.001	4.25
13	MP3C	X	-1.665	2.5
14	MP3C	Z	-2.884	2.5
15	MP3C	Mx	-.001	2.5
16	MP3C	X	-1.665	4.25
17	MP3C	Z	-2.884	4.25
18	MP3C	Mx	-.001	4.25
19	MP1A	X	-8.999	.75
20	MP1A	Z	-15.587	.75
21	MP1A	Mx	-.008	.75
22	MP1A	X	-8.999	6
23	MP1A	Z	-15.587	6
24	MP1A	Mx	-.008	6
25	MP1B	X	-8.114	.75
26	MP1B	Z	-14.054	.75
27	MP1B	Mx	.005	.75
28	MP1B	X	-8.114	6
29	MP1B	Z	-14.054	6
30	MP1B	Mx	.005	6
31	MP1C	X	-6.288	.75
32	MP1C	Z	-10.89	.75
33	MP1C	Mx	-.011	.75
34	MP1C	X	-6.288	6
35	MP1C	Z	-10.89	6
36	MP1C	Mx	-.011	6
37	MP1A	X	-8.999	.75
38	MP1A	Z	-15.587	.75
39	MP1A	Mx	.017	.75
40	MP1A	X	-8.999	6
41	MP1A	Z	-15.587	6
42	MP1A	Mx	.017	6
43	MP1B	X	-8.114	.75
44	MP1B	Z	-14.054	.75
45	MP1B	Mx	-.016	.75
46	MP1B	X	-8.114	6
47	MP1B	Z	-14.054	6
48	MP1B	Mx	-.016	6
49	MP1C	X	-6.288	.75
50	MP1C	Z	-10.89	.75
51	MP1C	Mx	-.000205	.75
52	MP1C	X	-6.288	6
53	MP1C	Z	-10.89	6
54	MP1C	Mx	-.000205	6
55	MP1A	X	-2.224	5.25
56	MP1A	Z	-3.852	5.25
57	MP1A	Mx	-.001	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	-2.093	5.25
59	MP1B	Z	-3.625	5.25
60	MP1B	Mx	.001	5.25
61	MP1C	X	-1.822	5.25
62	MP1C	Z	-3.156	5.25
63	MP1C	Mx	.002	5.25
64	MP2A	X	-2.147	5.25
65	MP2A	Z	-3.719	5.25
66	MP2A	Mx	-.001	5.25
67	MP2B	X	-1.966	5.25
68	MP2B	Z	-3.405	5.25
69	MP2B	Mx	.001	5.25
70	MP2C	X	-1.591	5.25
71	MP2C	Z	-2.756	5.25
72	MP2C	Mx	.001	5.25
73	OVP1	X	-2.958	.75
74	OVP1	Z	-5.123	.75
75	OVP1	Mx	0	.75
76	OVP2	X	-2.958	.75
77	OVP2	Z	-5.123	.75
78	OVP2	Mx	0	.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M130	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M109	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M109	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	Y	-5.603	-5.603	0	%100
2	M110	Y	-5.603	-5.603	0	%100
3	M116	Y	-7.511	-7.511	0	%100
4	M117	Y	-7.511	-7.511	0	%100
5	M118	Y	-7.511	-7.511	0	%100
6	M124	Y	-5.603	-5.603	0	%100
7	M125	Y	-5.603	-5.603	0	%100
8	M126	Y	-5.603	-5.603	0	%100
9	M127	Y	-4.906	-4.906	0	%100
10	M128	Y	-4.906	-4.906	0	%100
11	MP1A	Y	-4.906	-4.906	0	%100
12	M18	Y	-7.511	-7.511	0	%100
13	M19	Y	-7.511	-7.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
14	M20	Y	-7.511	-7.511	0	%100
15	M21	Y	-11.372	-11.372	0	%100
16	M22	Y	-11.372	-11.372	0	%100
17	M21A	Y	-11.372	-11.372	0	%100
18	M23	Y	-11.372	-11.372	0	%100
19	M23A	Y	-3.909	-3.909	0	%100
20	M24	Y	-2.29	-2.29	0	%100
21	M25	Y	-4.906	-4.906	0	%100
22	M26	Y	-4.906	-4.906	0	%100
23	M27	Y	-4.906	-4.906	0	%100
24	M28	Y	-4.906	-4.906	0	%100
25	M29	Y	-4.906	-4.906	0	%100
26	MP2A	Y	-4.906	-4.906	0	%100
27	MP3A	Y	-4.906	-4.906	0	%100
28	M161	Y	-5.603	-5.603	0	%100
29	M162	Y	-5.603	-5.603	0	%100
30	M163	Y	-7.511	-7.511	0	%100
31	M164	Y	-7.511	-7.511	0	%100
32	M165	Y	-7.511	-7.511	0	%100
33	M168	Y	-5.603	-5.603	0	%100
34	M169	Y	-5.603	-5.603	0	%100
35	M170	Y	-5.603	-5.603	0	%100
36	M171	Y	-4.906	-4.906	0	%100
37	M172	Y	-4.906	-4.906	0	%100
38	MP1B	Y	-4.906	-4.906	0	%100
39	M176	Y	-7.511	-7.511	0	%100
40	M177	Y	-7.511	-7.511	0	%100
41	M178	Y	-7.511	-7.511	0	%100
42	M179	Y	-11.372	-11.372	0	%100
43	M180	Y	-11.372	-11.372	0	%100
44	M181	Y	-11.372	-11.372	0	%100
45	M182	Y	-11.372	-11.372	0	%100
46	M183	Y	-3.909	-3.909	0	%100
47	M184	Y	-2.29	-2.29	0	%100
48	M185	Y	-4.906	-4.906	0	%100
49	M186	Y	-4.906	-4.906	0	%100
50	M187	Y	-4.906	-4.906	0	%100
51	M188	Y	-4.906	-4.906	0	%100
52	M189	Y	-4.906	-4.906	0	%100
53	MP2B	Y	-4.906	-4.906	0	%100
54	MP3B	Y	-4.906	-4.906	0	%100
55	M201	Y	-5.603	-5.603	0	%100
56	M202	Y	-5.603	-5.603	0	%100
57	M203	Y	-7.511	-7.511	0	%100
58	M204	Y	-7.511	-7.511	0	%100
59	M205	Y	-7.511	-7.511	0	%100
60	M208	Y	-5.603	-5.603	0	%100
61	M209	Y	-5.603	-5.603	0	%100
62	M210	Y	-5.603	-5.603	0	%100
63	M211	Y	-4.906	-4.906	0	%100
64	M212	Y	-4.906	-4.906	0	%100
65	MP1C	Y	-4.906	-4.906	0	%100
66	M216	Y	-7.511	-7.511	0	%100
67	M217	Y	-7.511	-7.511	0	%100
68	M218	Y	-7.511	-7.511	0	%100
69	M219	Y	-11.372	-11.372	0	%100
70	M220	Y	-11.372	-11.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
71	M221	Y	-11.372	-11.372	0 %100
72	M222	Y	-11.372	-11.372	0 %100
73	M223	Y	-3.909	-3.909	0 %100
74	M224	Y	-2.29	-2.29	0 %100
75	M225	Y	-4.906	-4.906	0 %100
76	M226	Y	-4.906	-4.906	0 %100
77	M227	Y	-4.906	-4.906	0 %100
78	M228	Y	-4.906	-4.906	0 %100
79	M229	Y	-4.906	-4.906	0 %100
80	MP2C	Y	-4.906	-4.906	0 %100
81	MP3C	Y	-4.906	-4.906	0 %100
82	M121	Y	-4.906	-4.906	0 %100
83	M122A	Y	-4.906	-4.906	0 %100
84	M123A	Y	-4.906	-4.906	0 %100
85	M124A	Y	-4.906	-4.906	0 %100
86	M125A	Y	-4.906	-4.906	0 %100
87	M126A	Y	-4.906	-4.906	0 %100
88	OVP1	Y	-4.906	-4.906	0 %100
89	OVP2	Y	-4.906	-4.906	0 %100
90	M133	Y	-6.475	-6.475	0 %100
91	M137	Y	-6.475	-6.475	0 %100
92	M141	Y	-6.475	-6.475	0 %100
93	M148	Y	-7.511	-7.511	0 %100
94	M149	Y	-7.511	-7.511	0 %100
95	M150	Y	-7.511	-7.511	0 %100
96	M151	Y	-4.906	-4.906	0 %100
97	M152	Y	-4.906	-4.906	0 %100
98	M153	Y	-4.906	-4.906	0 %100
99	M151A	Y	-4.243	-4.243	0 %100
100	M152A	Y	-4.243	-4.243	0 %100
101	M153A	Y	-4.243	-4.243	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	0	0	0 %100
2	M109	Z	-13.154	-13.154	0 %100
3	M110	X	0	0	0 %100
4	M110	Z	-13.154	-13.154	0 %100
5	M116	X	0	0	0 %100
6	M116	Z	-4.013	-4.013	0 %100
7	M117	X	0	0	0 %100
8	M117	Z	-10.082	-10.082	0 %100
9	M118	X	0	0	0 %100
10	M118	Z	-4.013	-4.013	0 %100
11	M124	X	0	0	0 %100
12	M124	Z	-10.622	-10.622	0 %100
13	M125	X	0	0	0 %100
14	M125	Z	-.7	-.7	0 %100
15	M126	X	0	0	0 %100
16	M126	Z	-.7	-.7	0 %100
17	M127	X	0	0	0 %100
18	M127	Z	-8.547	-8.547	0 %100
19	M128	X	0	0	0 %100
20	M128	Z	-8.547	-8.547	0 %100
21	MP1A	X	0	0	0 %100
22	MP1A	Z	-10.866	-10.866	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
23	M18	X	0	0	0	%100
24	M18	Z	-4.013	-4.013	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-10.082	-10.082	0	%100
27	M20	X	0	0	0	%100
28	M20	Z	-4.013	-4.013	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	-4.176	-4.176	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-.115	-.115	0	%100
33	M21A	X	0	0	0	%100
34	M21A	Z	-4.176	-4.176	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	-.115	-.115	0	%100
37	M23A	X	0	0	0	%100
38	M23A	Z	-7.383	-7.383	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-1.494	-1.494	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-8.547	-8.547	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-8.547	-8.547	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-8.547	-8.547	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-8.547	-8.547	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-8.547	-8.547	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-10.866	-10.866	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-10.866	-10.866	0	%100
55	M161	X	0	0	0	%100
56	M161	Z	-11.615	-11.615	0	%100
57	M162	X	0	0	0	%100
58	M162	Z	-11.615	-11.615	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	-1.092	-1.092	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	-8.903	-8.903	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	-7.397	-7.397	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	-10.622	-10.622	0	%100
67	M169	X	0	0	0	%100
68	M169	Z	-3.591	-3.591	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	-3.591	-3.591	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	-8.547	-8.547	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-8.547	-8.547	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-10.866	-10.866	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	-1.092	-1.092	0	%100
79	M177	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
80	M177	Z	-8.903	-8.903	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	-7.397	-7.397	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	-11.997	-11.997	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	-5.589	-5.589	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	-11.997	-11.997	0	%100
89	M182	X	0	0	0	%100
90	M182	Z	-5.589	-5.589	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	-7.383	-7.383	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	-1.729	-1.729	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	-8.547	-8.547	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	-8.547	-8.547	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	-8.547	-8.547	0	%100
101	M188	X	0	0	0	%100
102	M188	Z	-8.547	-8.547	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	-8.547	-8.547	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-10.866	-10.866	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-10.866	-10.866	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	-3.397	-3.397	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	-3.397	-3.397	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	-7.612	-7.612	0	%100
115	M204	X	0	0	0	%100
116	M204	Z	-3.304	-3.304	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	-4.257	-4.257	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	-10.622	-10.622	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	-10.138	-10.138	0	%100
123	M210	X	0	0	0	%100
124	M210	Z	-10.138	-10.138	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	-8.547	-8.547	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	-8.547	-8.547	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	-10.866	-10.866	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	-7.612	-7.612	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	-3.304	-3.304	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	-4.257	-4.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	0	0	0	%100
138	M219	Z	-31.126	-31.126	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	-1.664	-1.664	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	-31.126	-31.126	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	-1.664	-1.664	0	%100
145	M223	X	0	0	0	%100
146	M223	Z	-7.383	-7.383	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	-2.262	-2.262	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	-8.547	-8.547	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	-8.547	-8.547	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	-8.547	-8.547	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	-8.547	-8.547	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	-8.547	-8.547	0	%100
159	MP2C	X	0	0	0	%100
160	MP2C	Z	-10.866	-10.866	0	%100
161	MP3C	X	0	0	0	%100
162	MP3C	Z	-10.866	-10.866	0	%100
163	M121	X	0	0	0	%100
164	M121	Z	-.52	-.52	0	%100
165	M122A	X	0	0	0	%100
166	M122A	Z	-5.834	-5.834	0	%100
167	M123A	X	0	0	0	%100
168	M123A	Z	-9.679	-9.679	0	%100
169	M124A	X	0	0	0	%100
170	M124A	Z	-.52	-.52	0	%100
171	M125A	X	0	0	0	%100
172	M125A	Z	-5.834	-5.834	0	%100
173	M126A	X	0	0	0	%100
174	M126A	Z	-9.679	-9.679	0	%100
175	OVP1	X	0	0	0	%100
176	OVP1	Z	-10.866	-10.866	0	%100
177	OVP2	X	0	0	0	%100
178	OVP2	Z	-10.866	-10.866	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	-14.81	-14.81	0	%100
181	M137	X	0	0	0	%100
182	M137	Z	-13.078	-13.078	0	%100
183	M141	X	0	0	0	%100
184	M141	Z	-.447	-.447	0	%100
185	M148	X	0	0	0	%100
186	M148	Z	-.867	-.867	0	%100
187	M149	X	0	0	0	%100
188	M149	Z	-12.518	-12.518	0	%100
189	M150	X	0	0	0	%100
190	M150	Z	-4.446	-4.446	0	%100
191	M151	X	0	0	0	%100
192	M151	Z	-10.542	-10.542	0	%100
193	M152	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	-6.978	-6.978	0	%100
195	M153	X	0	0	0	%100
196	M153	Z	-.517	-.517	0	%100
197	M151A	X	0	0	0	%100
198	M151A	Z	-8.391	-8.391	0	%100
199	M152A	X	0	0	0	%100
200	M152A	Z	-8.467	-8.467	0	%100
201	M153A	X	0	0	0	%100
202	M153A	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	4.933	4.933	0	%100
2	M109	Z	-8.544	-8.544	0	%100
3	M110	X	4.933	4.933	0	%100
4	M110	Z	-8.544	-8.544	0	%100
5	M116	X	.13	.13	0	%100
6	M116	Z	-.226	-.226	0	%100
7	M117	X	3.781	3.781	0	%100
8	M117	Z	-6.549	-6.549	0	%100
9	M118	X	4.378	4.378	0	%100
10	M118	Z	-7.582	-7.582	0	%100
11	M124	X	5.311	5.311	0	%100
12	M124	Z	-9.199	-9.199	0	%100
13	M125	X	.35	.35	0	%100
14	M125	Z	-.606	-.606	0	%100
15	M126	X	.35	.35	0	%100
16	M126	Z	-.606	-.606	0	%100
17	M127	X	4.273	4.273	0	%100
18	M127	Z	-7.402	-7.402	0	%100
19	M128	X	4.273	4.273	0	%100
20	M128	Z	-7.402	-7.402	0	%100
21	MP1A	X	5.433	5.433	0	%100
22	MP1A	Z	-9.41	-9.41	0	%100
23	M18	X	.13	.13	0	%100
24	M18	Z	-.226	-.226	0	%100
25	M19	X	3.781	3.781	0	%100
26	M19	Z	-6.549	-6.549	0	%100
27	M20	X	4.378	4.378	0	%100
28	M20	Z	-7.582	-7.582	0	%100
29	M21	X	2.088	2.088	0	%100
30	M21	Z	-3.616	-3.616	0	%100
31	M22	X	.057	.057	0	%100
32	M22	Z	-.1	-.1	0	%100
33	M21A	X	2.088	2.088	0	%100
34	M21A	Z	-3.616	-3.616	0	%100
35	M23	X	.057	.057	0	%100
36	M23	Z	-.1	-.1	0	%100
37	M23A	X	3.692	3.692	0	%100
38	M23A	Z	-6.394	-6.394	0	%100
39	M24	X	.747	.747	0	%100
40	M24	Z	-1.294	-1.294	0	%100
41	M25	X	4.273	4.273	0	%100
42	M25	Z	-7.402	-7.402	0	%100
43	M26	X	4.273	4.273	0	%100
44	M26	Z	-7.402	-7.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
45	M27	X	4.273	4.273	0	%100
46	M27	Z	-7.402	-7.402	0	%100
47	M28	X	4.273	4.273	0	%100
48	M28	Z	-7.402	-7.402	0	%100
49	M29	X	4.273	4.273	0	%100
50	M29	Z	-7.402	-7.402	0	%100
51	MP2A	X	5.433	5.433	0	%100
52	MP2A	Z	-9.41	-9.41	0	%100
53	MP3A	X	5.433	5.433	0	%100
54	MP3A	Z	-9.41	-9.41	0	%100
55	M161	X	2.717	2.717	0	%100
56	M161	Z	-4.707	-4.707	0	%100
57	M162	X	2.717	2.717	0	%100
58	M162	Z	-4.707	-4.707	0	%100
59	M163	X	.173	.173	0	%100
60	M163	Z	-.299	-.299	0	%100
61	M164	X	2.083	2.083	0	%100
62	M164	Z	-3.608	-3.608	0	%100
63	M165	X	5.003	5.003	0	%100
64	M165	Z	-8.665	-8.665	0	%100
65	M168	X	5.311	5.311	0	%100
66	M168	Z	-9.199	-9.199	0	%100
67	M169	X	4.354	4.354	0	%100
68	M169	Z	-7.541	-7.541	0	%100
69	M170	X	4.354	4.354	0	%100
70	M170	Z	-7.541	-7.541	0	%100
71	M171	X	4.273	4.273	0	%100
72	M171	Z	-7.402	-7.402	0	%100
73	M172	X	4.273	4.273	0	%100
74	M172	Z	-7.402	-7.402	0	%100
75	MP1B	X	5.433	5.433	0	%100
76	MP1B	Z	-9.41	-9.41	0	%100
77	M176	X	.173	.173	0	%100
78	M176	Z	-.299	-.299	0	%100
79	M177	X	2.083	2.083	0	%100
80	M177	Z	-3.608	-3.608	0	%100
81	M178	X	5.003	5.003	0	%100
82	M178	Z	-8.665	-8.665	0	%100
83	M179	X	13.347	13.347	0	%100
84	M179	Z	-23.119	-23.119	0	%100
85	M180	X	.715	.715	0	%100
86	M180	Z	-1.238	-1.238	0	%100
87	M181	X	13.347	13.347	0	%100
88	M181	Z	-23.119	-23.119	0	%100
89	M182	X	.715	.715	0	%100
90	M182	Z	-1.238	-1.238	0	%100
91	M183	X	3.692	3.692	0	%100
92	M183	Z	-6.394	-6.394	0	%100
93	M184	X	1.073	1.073	0	%100
94	M184	Z	-1.858	-1.858	0	%100
95	M185	X	4.273	4.273	0	%100
96	M185	Z	-7.402	-7.402	0	%100
97	M186	X	4.273	4.273	0	%100
98	M186	Z	-7.402	-7.402	0	%100
99	M187	X	4.273	4.273	0	%100
100	M187	Z	-7.402	-7.402	0	%100
101	M188	X	4.273	4.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
102	M188	Z	-7.402	-7.402	0	%100
103	M189	X	4.273	4.273	0	%100
104	M189	Z	-7.402	-7.402	0	%100
105	MP2B	X	5.433	5.433	0	%100
106	MP2B	Z	-9.41	-9.41	0	%100
107	MP3B	X	5.433	5.433	0	%100
108	MP3B	Z	-9.41	-9.41	0	%100
109	M201	X	2.717	2.717	0	%100
110	M201	Z	-4.707	-4.707	0	%100
111	M202	X	2.717	2.717	0	%100
112	M202	Z	-4.707	-4.707	0	%100
113	M203	X	5.003	5.003	0	%100
114	M203	Z	-8.665	-8.665	0	%100
115	M204	X	2.083	2.083	0	%100
116	M204	Z	-3.608	-3.608	0	%100
117	M205	X	.173	.173	0	%100
118	M205	Z	-.299	-.299	0	%100
119	M208	X	5.311	5.311	0	%100
120	M208	Z	-9.199	-9.199	0	%100
121	M209	X	3.067	3.067	0	%100
122	M209	Z	-5.312	-5.312	0	%100
123	M210	X	3.067	3.067	0	%100
124	M210	Z	-5.312	-5.312	0	%100
125	M211	X	4.273	4.273	0	%100
126	M211	Z	-7.402	-7.402	0	%100
127	M212	X	4.273	4.273	0	%100
128	M212	Z	-7.402	-7.402	0	%100
129	MP1C	X	5.433	5.433	0	%100
130	MP1C	Z	-9.41	-9.41	0	%100
131	M216	X	5.003	5.003	0	%100
132	M216	Z	-8.665	-8.665	0	%100
133	M217	X	2.083	2.083	0	%100
134	M217	Z	-3.608	-3.608	0	%100
135	M218	X	.173	.173	0	%100
136	M218	Z	-.299	-.299	0	%100
137	M219	X	9.847	9.847	0	%100
138	M219	Z	-17.055	-17.055	0	%100
139	M220	X	.503	.503	0	%100
140	M220	Z	-.872	-.872	0	%100
141	M221	X	9.847	9.847	0	%100
142	M221	Z	-17.055	-17.055	0	%100
143	M222	X	.503	.503	0	%100
144	M222	Z	-.872	-.872	0	%100
145	M223	X	3.692	3.692	0	%100
146	M223	Z	-6.394	-6.394	0	%100
147	M224	X	.968	.968	0	%100
148	M224	Z	-1.677	-1.677	0	%100
149	M225	X	4.273	4.273	0	%100
150	M225	Z	-7.402	-7.402	0	%100
151	M226	X	4.273	4.273	0	%100
152	M226	Z	-7.402	-7.402	0	%100
153	M227	X	4.273	4.273	0	%100
154	M227	Z	-7.402	-7.402	0	%100
155	M228	X	4.273	4.273	0	%100
156	M228	Z	-7.402	-7.402	0	%100
157	M229	X	4.273	4.273	0	%100
158	M229	Z	-7.402	-7.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
159	MP2C	X	5.433	5.433	0	%100
160	MP2C	Z	-9.41	-9.41	0	%100
161	MP3C	X	5.433	5.433	0	%100
162	MP3C	Z	-9.41	-9.41	0	%100
163	M121	X	2.493	2.493	0	%100
164	M121	Z	-4.318	-4.318	0	%100
165	M122A	X	.471	.471	0	%100
166	M122A	Z	-.815	-.815	0	%100
167	M123A	X	5.246	5.246	0	%100
168	M123A	Z	-9.086	-9.086	0	%100
169	M124A	X	2.493	2.493	0	%100
170	M124A	Z	-4.318	-4.318	0	%100
171	M125A	X	.471	.471	0	%100
172	M125A	Z	-.815	-.815	0	%100
173	M126A	X	5.246	5.246	0	%100
174	M126A	Z	-9.086	-9.086	0	%100
175	OVP1	X	5.433	5.433	0	%100
176	OVP1	Z	-9.41	-9.41	0	%100
177	OVP2	X	5.433	5.433	0	%100
178	OVP2	Z	-9.41	-9.41	0	%100
179	M133	X	5.554	5.554	0	%100
180	M133	Z	-9.619	-9.619	0	%100
181	M137	X	3.06	3.06	0	%100
182	M137	Z	-5.299	-5.299	0	%100
183	M141	X	3.06	3.06	0	%100
184	M141	Z	-5.299	-5.299	0	%100
185	M148	X	.433	.433	0	%100
186	M148	Z	-.75	-.75	0	%100
187	M149	X	3.787	3.787	0	%100
188	M149	Z	-6.56	-6.56	0	%100
189	M150	X	5.39	5.39	0	%100
190	M150	Z	-9.336	-9.336	0	%100
191	M151	X	4.794	4.794	0	%100
192	M151	Z	-8.304	-8.304	0	%100
193	M152	X	.847	.847	0	%100
194	M152	Z	-1.467	-1.467	0	%100
195	M153	X	2.489	2.489	0	%100
196	M153	Z	-4.312	-4.312	0	%100
197	M151A	X	2.496	2.496	0	%100
198	M151A	Z	-4.323	-4.323	0	%100
199	M152A	X	2.604	2.604	0	%100
200	M152A	Z	-4.51	-4.51	0	%100
201	M153A	X	1.026	1.026	0	%100
202	M153A	Z	-1.777	-1.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	2.848	2.848	0	%100
2	M109	Z	-1.644	-1.644	0	%100
3	M110	X	2.848	2.848	0	%100
4	M110	Z	-1.644	-1.644	0	%100
5	M116	X	1.084	1.084	0	%100
6	M116	Z	-.626	-.626	0	%100
7	M117	X	2.183	2.183	0	%100
8	M117	Z	-1.26	-1.26	0	%100
9	M118	X	8.44	8.44	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	-4.873	-4.873	0	%100
11	M124	X	9.199	9.199	0	%100
12	M124	Z	-5.311	-5.311	0	%100
13	M125	X	4.526	4.526	0	%100
14	M125	Z	-2.613	-2.613	0	%100
15	M126	X	4.526	4.526	0	%100
16	M126	Z	-2.613	-2.613	0	%100
17	M127	X	7.402	7.402	0	%100
18	M127	Z	-4.273	-4.273	0	%100
19	M128	X	7.402	7.402	0	%100
20	M128	Z	-4.273	-4.273	0	%100
21	MP1A	X	9.41	9.41	0	%100
22	MP1A	Z	-5.433	-5.433	0	%100
23	M18	X	1.084	1.084	0	%100
24	M18	Z	-.626	-.626	0	%100
25	M19	X	2.183	2.183	0	%100
26	M19	Z	-1.26	-1.26	0	%100
27	M20	X	8.44	8.44	0	%100
28	M20	Z	-4.873	-4.873	0	%100
29	M21	X	14.81	14.81	0	%100
30	M21	Z	-8.551	-8.551	0	%100
31	M22	X	.743	.743	0	%100
32	M22	Z	-.429	-.429	0	%100
33	M21A	X	14.81	14.81	0	%100
34	M21A	Z	-8.551	-8.551	0	%100
35	M23	X	.743	.743	0	%100
36	M23	Z	-.429	-.429	0	%100
37	M23A	X	6.394	6.394	0	%100
38	M23A	Z	-3.692	-3.692	0	%100
39	M24	X	1.613	1.613	0	%100
40	M24	Z	-.931	-.931	0	%100
41	M25	X	7.402	7.402	0	%100
42	M25	Z	-4.273	-4.273	0	%100
43	M26	X	7.402	7.402	0	%100
44	M26	Z	-4.273	-4.273	0	%100
45	M27	X	7.402	7.402	0	%100
46	M27	Z	-4.273	-4.273	0	%100
47	M28	X	7.402	7.402	0	%100
48	M28	Z	-4.273	-4.273	0	%100
49	M29	X	7.402	7.402	0	%100
50	M29	Z	-4.273	-4.273	0	%100
51	MP2A	X	9.41	9.41	0	%100
52	MP2A	Z	-5.433	-5.433	0	%100
53	MP3A	X	9.41	9.41	0	%100
54	MP3A	Z	-5.433	-5.433	0	%100
55	M161	X	.343	.343	0	%100
56	M161	Z	-.198	-.198	0	%100
57	M162	X	.343	.343	0	%100
58	M162	Z	-.198	-.198	0	%100
59	M163	X	3.687	3.687	0	%100
60	M163	Z	-2.128	-2.128	0	%100
61	M164	X	.263	.263	0	%100
62	M164	Z	-.152	-.152	0	%100
63	M165	X	6.592	6.592	0	%100
64	M165	Z	-3.806	-3.806	0	%100
65	M168	X	9.199	9.199	0	%100
66	M168	Z	-5.311	-5.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
67	M169	X	8.957	8.957	0	%100
68	M169	Z	-5.172	-5.172	0	%100
69	M170	X	8.957	8.957	0	%100
70	M170	Z	-5.172	-5.172	0	%100
71	M171	X	7.402	7.402	0	%100
72	M171	Z	-4.273	-4.273	0	%100
73	M172	X	7.402	7.402	0	%100
74	M172	Z	-4.273	-4.273	0	%100
75	MP1B	X	9.41	9.41	0	%100
76	MP1B	Z	-5.433	-5.433	0	%100
77	M176	X	3.687	3.687	0	%100
78	M176	Z	-2.128	-2.128	0	%100
79	M177	X	.263	.263	0	%100
80	M177	Z	-.152	-.152	0	%100
81	M178	X	6.592	6.592	0	%100
82	M178	Z	-3.806	-3.806	0	%100
83	M179	X	27.539	27.539	0	%100
84	M179	Z	-15.9	-15.9	0	%100
85	M180	X	1.47	1.47	0	%100
86	M180	Z	-.849	-.849	0	%100
87	M181	X	27.539	27.539	0	%100
88	M181	Z	-15.9	-15.9	0	%100
89	M182	X	1.47	1.47	0	%100
90	M182	Z	-.849	-.849	0	%100
91	M183	X	6.394	6.394	0	%100
92	M183	Z	-3.692	-3.692	0	%100
93	M184	X	1.973	1.973	0	%100
94	M184	Z	-1.139	-1.139	0	%100
95	M185	X	7.402	7.402	0	%100
96	M185	Z	-4.273	-4.273	0	%100
97	M186	X	7.402	7.402	0	%100
98	M186	Z	-4.273	-4.273	0	%100
99	M187	X	7.402	7.402	0	%100
100	M187	Z	-4.273	-4.273	0	%100
101	M188	X	7.402	7.402	0	%100
102	M188	Z	-4.273	-4.273	0	%100
103	M189	X	7.402	7.402	0	%100
104	M189	Z	-4.273	-4.273	0	%100
105	MP2B	X	9.41	9.41	0	%100
106	MP2B	Z	-5.433	-5.433	0	%100
107	MP3B	X	9.41	9.41	0	%100
108	MP3B	Z	-5.433	-5.433	0	%100
109	M201	X	10.059	10.059	0	%100
110	M201	Z	-5.807	-5.807	0	%100
111	M202	X	10.059	10.059	0	%100
112	M202	Z	-5.807	-5.807	0	%100
113	M203	X	6.406	6.406	0	%100
114	M203	Z	-3.698	-3.698	0	%100
115	M204	X	7.71	7.71	0	%100
116	M204	Z	-4.451	-4.451	0	%100
117	M205	X	.946	.946	0	%100
118	M205	Z	-.546	-.546	0	%100
119	M208	X	9.199	9.199	0	%100
120	M208	Z	-5.311	-5.311	0	%100
121	M209	X	1.059	1.059	0	%100
122	M209	Z	-.611	-.611	0	%100
123	M210	X	1.059	1.059	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	-.611	-.611	0	%100
125	M211	X	7.402	7.402	0	%100
126	M211	Z	-4.273	-4.273	0	%100
127	M212	X	7.402	7.402	0	%100
128	M212	Z	-4.273	-4.273	0	%100
129	MP1C	X	9.41	9.41	0	%100
130	MP1C	Z	-5.433	-5.433	0	%100
131	M216	X	6.406	6.406	0	%100
132	M216	Z	-3.698	-3.698	0	%100
133	M217	X	7.71	7.71	0	%100
134	M217	Z	-4.451	-4.451	0	%100
135	M218	X	.946	.946	0	%100
136	M218	Z	-.546	-.546	0	%100
137	M219	X	4.909	4.909	0	%100
138	M219	Z	-2.834	-2.834	0	%100
139	M220	X	.174	.174	0	%100
140	M220	Z	-.1	-.1	0	%100
141	M221	X	4.909	4.909	0	%100
142	M221	Z	-2.834	-2.834	0	%100
143	M222	X	.174	.174	0	%100
144	M222	Z	-.1	-.1	0	%100
145	M223	X	6.394	6.394	0	%100
146	M223	Z	-3.692	-3.692	0	%100
147	M224	X	1.331	1.331	0	%100
148	M224	Z	-.768	-.768	0	%100
149	M225	X	7.402	7.402	0	%100
150	M225	Z	-4.273	-4.273	0	%100
151	M226	X	7.402	7.402	0	%100
152	M226	Z	-4.273	-4.273	0	%100
153	M227	X	7.402	7.402	0	%100
154	M227	Z	-4.273	-4.273	0	%100
155	M228	X	7.402	7.402	0	%100
156	M228	Z	-4.273	-4.273	0	%100
157	M229	X	7.402	7.402	0	%100
158	M229	Z	-4.273	-4.273	0	%100
159	MP2C	X	9.41	9.41	0	%100
160	MP2C	Z	-5.433	-5.433	0	%100
161	MP3C	X	9.41	9.41	0	%100
162	MP3C	Z	-5.433	-5.433	0	%100
163	M121	X	8.572	8.572	0	%100
164	M121	Z	-4.949	-4.949	0	%100
165	M122A	X	.468	.468	0	%100
166	M122A	Z	-.27	-.27	0	%100
167	M123A	X	5.408	5.408	0	%100
168	M123A	Z	-3.122	-3.122	0	%100
169	M124A	X	8.572	8.572	0	%100
170	M124A	Z	-4.949	-4.949	0	%100
171	M125A	X	.468	.468	0	%100
172	M125A	Z	-.27	-.27	0	%100
173	M126A	X	5.408	5.408	0	%100
174	M126A	Z	-3.122	-3.122	0	%100
175	OVP1	X	9.41	9.41	0	%100
176	OVP1	Z	-5.433	-5.433	0	%100
177	OVP2	X	9.41	9.41	0	%100
178	OVP2	Z	-5.433	-5.433	0	%100
179	M133	X	3.206	3.206	0	%100
180	M133	Z	-1.851	-1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
181	M137	X	.387	.387	0 %100
182	M137	Z	-.223	-.223	0 %100
183	M141	X	11.325	11.325	0 %100
184	M141	Z	-6.539	-6.539	0 %100
185	M148	X	5.602	5.602	0 %100
186	M148	Z	-3.234	-3.234	0 %100
187	M149	X	1.308	1.308	0 %100
188	M149	Z	-.755	-.755	0 %100
189	M150	X	11.088	11.088	0 %100
190	M150	Z	-6.402	-6.402	0 %100
191	M151	X	3.879	3.879	0 %100
192	M151	Z	-2.24	-2.24	0 %100
193	M152	X	.13	.13	0 %100
194	M152	Z	-.075	-.075	0 %100
195	M153	X	8.569	8.569	0 %100
196	M153	Z	-4.947	-4.947	0 %100
197	M151A	X	.82	.82	0 %100
198	M151A	Z	-.473	-.473	0 %100
199	M152A	X	.942	.942	0 %100
200	M152A	Z	-.544	-.544	0 %100
201	M153A	X	5.539	5.539	0 %100
202	M153A	Z	-3.198	-3.198	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	0	0	0 %100
2	M109	Z	0	0	0 %100
3	M110	X	0	0	0 %100
4	M110	Z	0	0	0 %100
5	M116	X	5.994	5.994	0 %100
6	M116	Z	0	0	0 %100
7	M117	X	0	0	0 %100
8	M117	Z	0	0	0 %100
9	M118	X	5.994	5.994	0 %100
10	M118	Z	0	0	0 %100
11	M124	X	10.622	10.622	0 %100
12	M124	Z	0	0	0 %100
13	M125	X	9.753	9.753	0 %100
14	M125	Z	0	0	0 %100
15	M126	X	9.753	9.753	0 %100
16	M126	Z	0	0	0 %100
17	M127	X	8.547	8.547	0 %100
18	M127	Z	0	0	0 %100
19	M128	X	8.547	8.547	0 %100
20	M128	Z	0	0	0 %100
21	MP1A	X	10.866	10.866	0 %100
22	MP1A	Z	0	0	0 %100
23	M18	X	5.994	5.994	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	0	0	0 %100
27	M20	X	5.994	5.994	0 %100
28	M20	Z	0	0	0 %100
29	M21	X	30.027	30.027	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	1.601	1.601	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	0	0	0	%100
33	M21A	X	30.027	30.027	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	1.601	1.601	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	7.383	7.383	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	2.231	2.231	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	8.547	8.547	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	8.547	8.547	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	8.547	8.547	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	8.547	8.547	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	8.547	8.547	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	10.866	10.866	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	10.866	10.866	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	1.539	1.539	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	1.539	1.539	0	%100
58	M162	Z	0	0	0	%100
59	M163	X	8.915	8.915	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	1.179	1.179	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	2.61	2.61	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	10.622	10.622	0	%100
66	M168	Z	0	0	0	%100
67	M169	X	6.862	6.862	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	6.862	6.862	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	8.547	8.547	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	8.547	8.547	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	10.866	10.866	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	8.915	8.915	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	1.179	1.179	0	%100
80	M177	Z	0	0	0	%100
81	M178	X	2.61	2.61	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	22.206	22.206	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	1.126	1.126	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	22.206	22.206	0	%100
88	M181	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	1.126	1.126	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	7.383	7.383	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	1.995	1.995	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	8.547	8.547	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	8.547	8.547	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	8.547	8.547	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	8.547	8.547	0	%100
102	M188	Z	0	0	0	%100
103	M189	X	8.547	8.547	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	10.866	10.866	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	10.866	10.866	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	12.757	12.757	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	12.757	12.757	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	2.395	2.395	0	%100
114	M203	Z	0	0	0	%100
115	M204	X	9.778	9.778	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	5.75	5.75	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	10.622	10.622	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	.315	.315	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	.315	.315	0	%100
124	M210	Z	0	0	0	%100
125	M211	X	8.547	8.547	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	8.547	8.547	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	10.866	10.866	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	2.395	2.395	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	9.778	9.778	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	5.75	5.75	0	%100
136	M218	Z	0	0	0	%100
137	M219	X	3.076	3.076	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	.052	.052	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	3.076	3.076	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	.052	.052	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	7.383	7.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	0	0	0	%100
147	M224	X	1.463	1.463	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	8.547	8.547	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	8.547	8.547	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	8.547	8.547	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	8.547	8.547	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	8.547	8.547	0	%100
158	M229	Z	0	0	0	%100
159	MP2C	X	10.866	10.866	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	10.866	10.866	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	10.346	10.346	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	5.032	5.032	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	1.187	1.187	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	10.346	10.346	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	5.032	5.032	0	%100
172	M125A	Z	0	0	0	%100
173	M126A	X	1.187	1.187	0	%100
174	M126A	Z	0	0	0	%100
175	OVP1	X	10.866	10.866	0	%100
176	OVP1	Z	0	0	0	%100
177	OVP2	X	10.866	10.866	0	%100
178	OVP2	Z	0	0	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	0	0	0	%100
181	M137	X	1.732	1.732	0	%100
182	M137	Z	0	0	0	%100
183	M141	X	14.363	14.363	0	%100
184	M141	Z	0	0	0	%100
185	M148	X	12.07	12.07	0	%100
186	M148	Z	0	0	0	%100
187	M149	X	.389	.389	0	%100
188	M149	Z	0	0	0	%100
189	M150	X	8.494	8.494	0	%100
190	M150	Z	0	0	0	%100
191	M151	X	.324	.324	0	%100
192	M151	Z	0	0	0	%100
193	M152	X	3.888	3.888	0	%100
194	M152	Z	0	0	0	%100
195	M153	X	10.349	10.349	0	%100
196	M153	Z	0	0	0	%100
197	M151A	X	.302	.302	0	%100
198	M151A	Z	0	0	0	%100
199	M152A	X	.226	.226	0	%100
200	M152A	Z	0	0	0	%100
201	M153A	X	8.691	8.691	0	%100
202	M153A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	2.848	2.848	0	%100
2	M109	Z	1.644	1.644	0	%100
3	M110	X	2.848	2.848	0	%100
4	M110	Z	1.644	1.644	0	%100
5	M116	X	8.44	8.44	0	%100
6	M116	Z	4.873	4.873	0	%100
7	M117	X	2.183	2.183	0	%100
8	M117	Z	1.26	1.26	0	%100
9	M118	X	1.084	1.084	0	%100
10	M118	Z	.626	.626	0	%100
11	M124	X	9.199	9.199	0	%100
12	M124	Z	5.311	5.311	0	%100
13	M125	X	8.446	8.446	0	%100
14	M125	Z	4.876	4.876	0	%100
15	M126	X	8.446	8.446	0	%100
16	M126	Z	4.876	4.876	0	%100
17	M127	X	7.402	7.402	0	%100
18	M127	Z	4.273	4.273	0	%100
19	M128	X	7.402	7.402	0	%100
20	M128	Z	4.273	4.273	0	%100
21	MP1A	X	9.41	9.41	0	%100
22	MP1A	Z	5.433	5.433	0	%100
23	M18	X	8.44	8.44	0	%100
24	M18	Z	4.873	4.873	0	%100
25	M19	X	2.183	2.183	0	%100
26	M19	Z	1.26	1.26	0	%100
27	M20	X	1.084	1.084	0	%100
28	M20	Z	.626	.626	0	%100
29	M21	X	26.004	26.004	0	%100
30	M21	Z	15.013	15.013	0	%100
31	M22	X	1.386	1.386	0	%100
32	M22	Z	.8	.8	0	%100
33	M21A	X	26.004	26.004	0	%100
34	M21A	Z	15.013	15.013	0	%100
35	M23	X	1.386	1.386	0	%100
36	M23	Z	.8	.8	0	%100
37	M23A	X	6.394	6.394	0	%100
38	M23A	Z	3.692	3.692	0	%100
39	M24	X	1.932	1.932	0	%100
40	M24	Z	1.115	1.115	0	%100
41	M25	X	7.402	7.402	0	%100
42	M25	Z	4.273	4.273	0	%100
43	M26	X	7.402	7.402	0	%100
44	M26	Z	4.273	4.273	0	%100
45	M27	X	7.402	7.402	0	%100
46	M27	Z	4.273	4.273	0	%100
47	M28	X	7.402	7.402	0	%100
48	M28	Z	4.273	4.273	0	%100
49	M29	X	7.402	7.402	0	%100
50	M29	Z	4.273	4.273	0	%100
51	MP2A	X	9.41	9.41	0	%100
52	MP2A	Z	5.433	5.433	0	%100
53	MP3A	X	9.41	9.41	0	%100
54	MP3A	Z	5.433	5.433	0	%100
55	M161	X	6.685	6.685	0	%100
56	M161	Z	3.859	3.859	0	%100
57	M162	X	6.685	6.685	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	3.859	3.859	0	%100
59	M163	X	8.367	8.367	0	%100
60	M163	Z	4.831	4.831	0	%100
61	M164	X	5.124	5.124	0	%100
62	M164	Z	2.958	2.958	0	%100
63	M165	X	.001	.001	0	%100
64	M165	Z	.00077	.00077	0	%100
65	M168	X	9.199	9.199	0	%100
66	M168	Z	5.311	5.311	0	%100
67	M169	X	1.511	1.511	0	%100
68	M169	Z	.872	.872	0	%100
69	M170	X	1.511	1.511	0	%100
70	M170	Z	.872	.872	0	%100
71	M171	X	7.402	7.402	0	%100
72	M171	Z	4.273	4.273	0	%100
73	M172	X	7.402	7.402	0	%100
74	M172	Z	4.273	4.273	0	%100
75	MP1B	X	9.41	9.41	0	%100
76	MP1B	Z	5.433	5.433	0	%100
77	M176	X	8.367	8.367	0	%100
78	M176	Z	4.831	4.831	0	%100
79	M177	X	5.124	5.124	0	%100
80	M177	Z	2.958	2.958	0	%100
81	M178	X	.001	.001	0	%100
82	M178	Z	.00077	.00077	0	%100
83	M179	X	6.502	6.502	0	%100
84	M179	Z	3.754	3.754	0	%100
85	M180	X	.248	.248	0	%100
86	M180	Z	.143	.143	0	%100
87	M181	X	6.502	6.502	0	%100
88	M181	Z	3.754	3.754	0	%100
89	M182	X	.248	.248	0	%100
90	M182	Z	.143	.143	0	%100
91	M183	X	6.394	6.394	0	%100
92	M183	Z	3.692	3.692	0	%100
93	M184	X	1.368	1.368	0	%100
94	M184	Z	.79	.79	0	%100
95	M185	X	7.402	7.402	0	%100
96	M185	Z	4.273	4.273	0	%100
97	M186	X	7.402	7.402	0	%100
98	M186	Z	4.273	4.273	0	%100
99	M187	X	7.402	7.402	0	%100
100	M187	Z	4.273	4.273	0	%100
101	M188	X	7.402	7.402	0	%100
102	M188	Z	4.273	4.273	0	%100
103	M189	X	7.402	7.402	0	%100
104	M189	Z	4.273	4.273	0	%100
105	MP2B	X	9.41	9.41	0	%100
106	MP2B	Z	5.433	5.433	0	%100
107	MP3B	X	9.41	9.41	0	%100
108	MP3B	Z	5.433	5.433	0	%100
109	M201	X	6.685	6.685	0	%100
110	M201	Z	3.859	3.859	0	%100
111	M202	X	6.685	6.685	0	%100
112	M202	Z	3.859	3.859	0	%100
113	M203	X	.001	.001	0	%100
114	M203	Z	.00077	.00077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
115	M204	X	5.124	5.124	0	%100
116	M204	Z	2.958	2.958	0	%100
117	M205	X	8.367	8.367	0	%100
118	M205	Z	4.831	4.831	0	%100
119	M208	X	9.199	9.199	0	%100
120	M208	Z	5.311	5.311	0	%100
121	M209	X	3.74	3.74	0	%100
122	M209	Z	2.159	2.159	0	%100
123	M210	X	3.74	3.74	0	%100
124	M210	Z	2.159	2.159	0	%100
125	M211	X	7.402	7.402	0	%100
126	M211	Z	4.273	4.273	0	%100
127	M212	X	7.402	7.402	0	%100
128	M212	Z	4.273	4.273	0	%100
129	MP1C	X	9.41	9.41	0	%100
130	MP1C	Z	5.433	5.433	0	%100
131	M216	X	.001	.001	0	%100
132	M216	Z	.00077	.00077	0	%100
133	M217	X	5.124	5.124	0	%100
134	M217	Z	2.958	2.958	0	%100
135	M218	X	8.367	8.367	0	%100
136	M218	Z	4.831	4.831	0	%100
137	M219	X	12.566	12.566	0	%100
138	M219	Z	7.255	7.255	0	%100
139	M220	X	.614	.614	0	%100
140	M220	Z	.354	.354	0	%100
141	M221	X	12.566	12.566	0	%100
142	M221	Z	7.255	7.255	0	%100
143	M222	X	.614	.614	0	%100
144	M222	Z	.354	.354	0	%100
145	M223	X	6.394	6.394	0	%100
146	M223	Z	3.692	3.692	0	%100
147	M224	X	1.549	1.549	0	%100
148	M224	Z	.894	.894	0	%100
149	M225	X	7.402	7.402	0	%100
150	M225	Z	4.273	4.273	0	%100
151	M226	X	7.402	7.402	0	%100
152	M226	Z	4.273	4.273	0	%100
153	M227	X	7.402	7.402	0	%100
154	M227	Z	4.273	4.273	0	%100
155	M228	X	7.402	7.402	0	%100
156	M228	Z	4.273	4.273	0	%100
157	M229	X	7.402	7.402	0	%100
158	M229	Z	4.273	4.273	0	%100
159	MP2C	X	9.41	9.41	0	%100
160	MP2C	Z	5.433	5.433	0	%100
161	MP3C	X	9.41	9.41	0	%100
162	MP3C	Z	5.433	5.433	0	%100
163	M121	X	5.093	5.093	0	%100
164	M121	Z	2.94	2.94	0	%100
165	M122A	X	8.595	8.595	0	%100
166	M122A	Z	4.962	4.962	0	%100
167	M123A	X	.325	.325	0	%100
168	M123A	Z	.187	.187	0	%100
169	M124A	X	5.093	5.093	0	%100
170	M124A	Z	2.94	2.94	0	%100
171	M125A	X	8.595	8.595	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
172	M125A	Z	4.962	4.962	0	%100
173	M126A	X	.325	.325	0	%100
174	M126A	Z	.187	.187	0	%100
175	OVP1	X	9.41	9.41	0	%100
176	OVP1	Z	5.433	5.433	0	%100
177	OVP2	X	9.41	9.41	0	%100
178	OVP2	Z	5.433	5.433	0	%100
179	M133	X	3.206	3.206	0	%100
180	M133	Z	1.851	1.851	0	%100
181	M137	X	7.526	7.526	0	%100
182	M137	Z	4.345	4.345	0	%100
183	M141	X	7.526	7.526	0	%100
184	M141	Z	4.345	4.345	0	%100
185	M148	X	10.453	10.453	0	%100
186	M148	Z	6.035	6.035	0	%100
187	M149	X	4.619	4.619	0	%100
188	M149	Z	2.667	2.667	0	%100
189	M150	X	1.871	1.871	0	%100
190	M150	Z	1.08	1.08	0	%100
191	M151	X	1.107	1.107	0	%100
192	M151	Z	.639	.639	0	%100
193	M152	X	7.943	7.943	0	%100
194	M152	Z	4.586	4.586	0	%100
195	M153	X	5.099	5.099	0	%100
196	M153	Z	2.944	2.944	0	%100
197	M151A	X	3.206	3.206	0	%100
198	M151A	Z	1.851	1.851	0	%100
199	M152A	X	3.018	3.018	0	%100
200	M152A	Z	1.742	1.742	0	%100
201	M153A	X	5.752	5.752	0	%100
202	M153A	Z	3.321	3.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
1	M109	X	4.933	4.933	0	%100
2	M109	Z	8.544	8.544	0	%100
3	M110	X	4.933	4.933	0	%100
4	M110	Z	8.544	8.544	0	%100
5	M116	X	4.378	4.378	0	%100
6	M116	Z	7.582	7.582	0	%100
7	M117	X	3.781	3.781	0	%100
8	M117	Z	6.549	6.549	0	%100
9	M118	X	.13	.13	0	%100
10	M118	Z	.226	.226	0	%100
11	M124	X	5.311	5.311	0	%100
12	M124	Z	9.199	9.199	0	%100
13	M125	X	2.613	2.613	0	%100
14	M125	Z	4.526	4.526	0	%100
15	M126	X	2.613	2.613	0	%100
16	M126	Z	4.526	4.526	0	%100
17	M127	X	4.273	4.273	0	%100
18	M127	Z	7.402	7.402	0	%100
19	M128	X	4.273	4.273	0	%100
20	M128	Z	7.402	7.402	0	%100
21	MP1A	X	5.433	5.433	0	%100
22	MP1A	Z	9.41	9.41	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
23	M18	X	4.378	4.378	0	%100
24	M18	Z	7.582	7.582	0	%100
25	M19	X	3.781	3.781	0	%100
26	M19	Z	6.549	6.549	0	%100
27	M20	X	.13	.13	0	%100
28	M20	Z	.226	.226	0	%100
29	M21	X	8.551	8.551	0	%100
30	M21	Z	14.81	14.81	0	%100
31	M22	X	.429	.429	0	%100
32	M22	Z	.743	.743	0	%100
33	M21A	X	8.551	8.551	0	%100
34	M21A	Z	14.81	14.81	0	%100
35	M23	X	.429	.429	0	%100
36	M23	Z	.743	.743	0	%100
37	M23A	X	3.692	3.692	0	%100
38	M23A	Z	6.394	6.394	0	%100
39	M24	X	.931	.931	0	%100
40	M24	Z	1.613	1.613	0	%100
41	M25	X	4.273	4.273	0	%100
42	M25	Z	7.402	7.402	0	%100
43	M26	X	4.273	4.273	0	%100
44	M26	Z	7.402	7.402	0	%100
45	M27	X	4.273	4.273	0	%100
46	M27	Z	7.402	7.402	0	%100
47	M28	X	4.273	4.273	0	%100
48	M28	Z	7.402	7.402	0	%100
49	M29	X	4.273	4.273	0	%100
50	M29	Z	7.402	7.402	0	%100
51	MP2A	X	5.433	5.433	0	%100
52	MP2A	Z	9.41	9.41	0	%100
53	MP3A	X	5.433	5.433	0	%100
54	MP3A	Z	9.41	9.41	0	%100
55	M161	X	6.379	6.379	0	%100
56	M161	Z	11.048	11.048	0	%100
57	M162	X	6.379	6.379	0	%100
58	M162	Z	11.048	11.048	0	%100
59	M163	X	2.875	2.875	0	%100
60	M163	Z	4.979	4.979	0	%100
61	M164	X	4.889	4.889	0	%100
62	M164	Z	8.468	8.468	0	%100
63	M165	X	1.197	1.197	0	%100
64	M165	Z	2.074	2.074	0	%100
65	M168	X	5.311	5.311	0	%100
66	M168	Z	9.199	9.199	0	%100
67	M169	X	.055	.055	0	%100
68	M169	Z	.095	.095	0	%100
69	M170	X	.055	.055	0	%100
70	M170	Z	.095	.095	0	%100
71	M171	X	4.273	4.273	0	%100
72	M171	Z	7.402	7.402	0	%100
73	M172	X	4.273	4.273	0	%100
74	M172	Z	7.402	7.402	0	%100
75	MP1B	X	5.433	5.433	0	%100
76	MP1B	Z	9.41	9.41	0	%100
77	M176	X	2.875	2.875	0	%100
78	M176	Z	4.979	4.979	0	%100
79	M177	X	4.889	4.889	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
80	M177	Z	8.468	8.468	0	%100
81	M178	X	1.197	1.197	0	%100
82	M178	Z	2.074	2.074	0	%100
83	M179	X	1.202	1.202	0	%100
84	M179	Z	2.081	2.081	0	%100
85	M180	X	.009	.009	0	%100
86	M180	Z	.016	.016	0	%100
87	M181	X	1.202	1.202	0	%100
88	M181	Z	2.081	2.081	0	%100
89	M182	X	.009	.009	0	%100
90	M182	Z	.016	.016	0	%100
91	M183	X	3.692	3.692	0	%100
92	M183	Z	6.394	6.394	0	%100
93	M184	X	.723	.723	0	%100
94	M184	Z	1.252	1.252	0	%100
95	M185	X	4.273	4.273	0	%100
96	M185	Z	7.402	7.402	0	%100
97	M186	X	4.273	4.273	0	%100
98	M186	Z	7.402	7.402	0	%100
99	M187	X	4.273	4.273	0	%100
100	M187	Z	7.402	7.402	0	%100
101	M188	X	4.273	4.273	0	%100
102	M188	Z	7.402	7.402	0	%100
103	M189	X	4.273	4.273	0	%100
104	M189	Z	7.402	7.402	0	%100
105	MP2B	X	5.433	5.433	0	%100
106	MP2B	Z	9.41	9.41	0	%100
107	MP3B	X	5.433	5.433	0	%100
108	MP3B	Z	9.41	9.41	0	%100
109	M201	X	.769	.769	0	%100
110	M201	Z	1.333	1.333	0	%100
111	M202	X	.769	.769	0	%100
112	M202	Z	1.333	1.333	0	%100
113	M203	X	1.305	1.305	0	%100
114	M203	Z	2.26	2.26	0	%100
115	M204	X	.59	.59	0	%100
116	M204	Z	1.021	1.021	0	%100
117	M205	X	4.457	4.457	0	%100
118	M205	Z	7.72	7.72	0	%100
119	M208	X	5.311	5.311	0	%100
120	M208	Z	9.199	9.199	0	%100
121	M209	X	4.615	4.615	0	%100
122	M209	Z	7.994	7.994	0	%100
123	M210	X	4.615	4.615	0	%100
124	M210	Z	7.994	7.994	0	%100
125	M211	X	4.273	4.273	0	%100
126	M211	Z	7.402	7.402	0	%100
127	M212	X	4.273	4.273	0	%100
128	M212	Z	7.402	7.402	0	%100
129	MP1C	X	5.433	5.433	0	%100
130	MP1C	Z	9.41	9.41	0	%100
131	M216	X	1.305	1.305	0	%100
132	M216	Z	2.26	2.26	0	%100
133	M217	X	.59	.59	0	%100
134	M217	Z	1.021	1.021	0	%100
135	M218	X	4.457	4.457	0	%100
136	M218	Z	7.72	7.72	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	14.267	14.267	0	%100
138	M219	Z	24.712	24.712	0	%100
139	M220	X	.757	.757	0	%100
140	M220	Z	1.312	1.312	0	%100
141	M221	X	14.267	14.267	0	%100
142	M221	Z	24.712	24.712	0	%100
143	M222	X	.757	.757	0	%100
144	M222	Z	1.312	1.312	0	%100
145	M223	X	3.692	3.692	0	%100
146	M223	Z	6.394	6.394	0	%100
147	M224	X	1.094	1.094	0	%100
148	M224	Z	1.895	1.895	0	%100
149	M225	X	4.273	4.273	0	%100
150	M225	Z	7.402	7.402	0	%100
151	M226	X	4.273	4.273	0	%100
152	M226	Z	7.402	7.402	0	%100
153	M227	X	4.273	4.273	0	%100
154	M227	Z	7.402	7.402	0	%100
155	M228	X	4.273	4.273	0	%100
156	M228	Z	7.402	7.402	0	%100
157	M229	X	4.273	4.273	0	%100
158	M229	Z	7.402	7.402	0	%100
159	MP2C	X	5.433	5.433	0	%100
160	MP2C	Z	9.41	9.41	0	%100
161	MP3C	X	5.433	5.433	0	%100
162	MP3C	Z	9.41	9.41	0	%100
163	M121	X	.484	.484	0	%100
164	M121	Z	.838	.838	0	%100
165	M122A	X	5.163	5.163	0	%100
166	M122A	Z	8.943	8.943	0	%100
167	M123A	X	2.311	2.311	0	%100
168	M123A	Z	4.002	4.002	0	%100
169	M124A	X	.484	.484	0	%100
170	M124A	Z	.838	.838	0	%100
171	M125A	X	5.163	5.163	0	%100
172	M125A	Z	8.943	8.943	0	%100
173	M126A	X	2.311	2.311	0	%100
174	M126A	Z	4.002	4.002	0	%100
175	OVP1	X	5.433	5.433	0	%100
176	OVP1	Z	9.41	9.41	0	%100
177	OVP2	X	5.433	5.433	0	%100
178	OVP2	Z	9.41	9.41	0	%100
179	M133	X	5.554	5.554	0	%100
180	M133	Z	9.619	9.619	0	%100
181	M137	X	7.182	7.182	0	%100
182	M137	Z	12.439	12.439	0	%100
183	M141	X	.866	.866	0	%100
184	M141	Z	1.5	1.5	0	%100
185	M148	X	3.234	3.234	0	%100
186	M148	Z	5.602	5.602	0	%100
187	M149	X	5.699	5.699	0	%100
188	M149	Z	9.871	9.871	0	%100
189	M150	X	.068	.068	0	%100
190	M150	Z	.118	.118	0	%100
191	M151	X	3.193	3.193	0	%100
192	M151	Z	5.531	5.531	0	%100
193	M152	X	5.358	5.358	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	9.281	9.281	0	%100
195	M153	X	.486	.486	0	%100
196	M153	Z	.841	.841	0	%100
197	M151A	X	3.873	3.873	0	%100
198	M151A	Z	6.709	6.709	0	%100
199	M152A	X	3.803	3.803	0	%100
200	M152A	Z	6.586	6.586	0	%100
201	M153A	X	1.149	1.149	0	%100
202	M153A	Z	1.99	1.99	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	0	0	0	%100
2	M109	Z	13.154	13.154	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	13.154	13.154	0	%100
5	M116	X	0	0	0	%100
6	M116	Z	4.013	4.013	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	10.082	10.082	0	%100
9	M118	X	0	0	0	%100
10	M118	Z	4.013	4.013	0	%100
11	M124	X	0	0	0	%100
12	M124	Z	10.622	10.622	0	%100
13	M125	X	0	0	0	%100
14	M125	Z	.7	.7	0	%100
15	M126	X	0	0	0	%100
16	M126	Z	.7	.7	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	8.547	8.547	0	%100
19	M128	X	0	0	0	%100
20	M128	Z	8.547	8.547	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	10.866	10.866	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	4.013	4.013	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	10.082	10.082	0	%100
27	M20	X	0	0	0	%100
28	M20	Z	4.013	4.013	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	4.176	4.176	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	.115	.115	0	%100
33	M21A	X	0	0	0	%100
34	M21A	Z	4.176	4.176	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	.115	.115	0	%100
37	M23A	X	0	0	0	%100
38	M23A	Z	7.383	7.383	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	1.494	1.494	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	8.547	8.547	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	8.547	8.547	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
45	M27	X	0	0	0	%100
46	M27	Z	8.547	8.547	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	8.547	8.547	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	8.547	8.547	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	10.866	10.866	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	10.866	10.866	0	%100
55	M161	X	0	0	0	%100
56	M161	Z	11.615	11.615	0	%100
57	M162	X	0	0	0	%100
58	M162	Z	11.615	11.615	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	1.092	1.092	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	8.903	8.903	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	7.397	7.397	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	10.622	10.622	0	%100
67	M169	X	0	0	0	%100
68	M169	Z	3.591	3.591	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	3.591	3.591	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	8.547	8.547	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	8.547	8.547	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	10.866	10.866	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	1.092	1.092	0	%100
79	M177	X	0	0	0	%100
80	M177	Z	8.903	8.903	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	7.397	7.397	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	11.997	11.997	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	.589	.589	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	11.997	11.997	0	%100
89	M182	X	0	0	0	%100
90	M182	Z	.589	.589	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	7.383	7.383	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	1.729	1.729	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	8.547	8.547	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	8.547	8.547	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	8.547	8.547	0	%100
101	M188	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
102	M188	Z	8.547	8.547	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	8.547	8.547	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	10.866	10.866	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	10.866	10.866	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	.397	.397	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	.397	.397	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	7.612	7.612	0	%100
115	M204	X	0	0	0	%100
116	M204	Z	.304	.304	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	4.257	4.257	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	10.622	10.622	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	10.138	10.138	0	%100
123	M210	X	0	0	0	%100
124	M210	Z	10.138	10.138	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	8.547	8.547	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	8.547	8.547	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	10.866	10.866	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	7.612	7.612	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	.304	.304	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	4.257	4.257	0	%100
137	M219	X	0	0	0	%100
138	M219	Z	31.126	31.126	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	1.664	1.664	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	31.126	31.126	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	1.664	1.664	0	%100
145	M223	X	0	0	0	%100
146	M223	Z	7.383	7.383	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	2.262	2.262	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	8.547	8.547	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	8.547	8.547	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	8.547	8.547	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	8.547	8.547	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	8.547	8.547	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...End Location[ft...
159	MP2C	X	0	0	0 %100
160	MP2C	Z	10.866	10.866	0 %100
161	MP3C	X	0	0	0 %100
162	MP3C	Z	10.866	10.866	0 %100
163	M121	X	0	0	0 %100
164	M121	Z	.52	.52	0 %100
165	M122A	X	0	0	0 %100
166	M122A	Z	5.834	5.834	0 %100
167	M123A	X	0	0	0 %100
168	M123A	Z	9.679	9.679	0 %100
169	M124A	X	0	0	0 %100
170	M124A	Z	.52	.52	0 %100
171	M125A	X	0	0	0 %100
172	M125A	Z	5.834	5.834	0 %100
173	M126A	X	0	0	0 %100
174	M126A	Z	9.679	9.679	0 %100
175	OVP1	X	0	0	0 %100
176	OVP1	Z	10.866	10.866	0 %100
177	OVP2	X	0	0	0 %100
178	OVP2	Z	10.866	10.866	0 %100
179	M133	X	0	0	0 %100
180	M133	Z	14.81	14.81	0 %100
181	M137	X	0	0	0 %100
182	M137	Z	13.078	13.078	0 %100
183	M141	X	0	0	0 %100
184	M141	Z	.447	.447	0 %100
185	M148	X	0	0	0 %100
186	M148	Z	.867	.867	0 %100
187	M149	X	0	0	0 %100
188	M149	Z	12.518	12.518	0 %100
189	M150	X	0	0	0 %100
190	M150	Z	4.446	4.446	0 %100
191	M151	X	0	0	0 %100
192	M151	Z	10.542	10.542	0 %100
193	M152	X	0	0	0 %100
194	M152	Z	6.978	6.978	0 %100
195	M153	X	0	0	0 %100
196	M153	Z	.517	.517	0 %100
197	M151A	X	0	0	0 %100
198	M151A	Z	8.391	8.391	0 %100
199	M152A	X	0	0	0 %100
200	M152A	Z	8.467	8.467	0 %100
201	M153A	X	0	0	0 %100
202	M153A	Z	.002	.002	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	-4.933	-4.933	0 %100
2	M109	Z	8.544	8.544	0 %100
3	M110	X	-4.933	-4.933	0 %100
4	M110	Z	8.544	8.544	0 %100
5	M116	X	-.13	-.13	0 %100
6	M116	Z	.226	.226	0 %100
7	M117	X	-3.781	-3.781	0 %100
8	M117	Z	6.549	6.549	0 %100
9	M118	X	-4.378	-4.378	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	7.582	7.582	0	%100
11	M124	X	-5.311	-5.311	0	%100
12	M124	Z	9.199	9.199	0	%100
13	M125	X	-.35	-.35	0	%100
14	M125	Z	.606	.606	0	%100
15	M126	X	-.35	-.35	0	%100
16	M126	Z	.606	.606	0	%100
17	M127	X	-4.273	-4.273	0	%100
18	M127	Z	7.402	7.402	0	%100
19	M128	X	-4.273	-4.273	0	%100
20	M128	Z	7.402	7.402	0	%100
21	MP1A	X	-5.433	-5.433	0	%100
22	MP1A	Z	9.41	9.41	0	%100
23	M18	X	-.13	-.13	0	%100
24	M18	Z	.226	.226	0	%100
25	M19	X	-3.781	-3.781	0	%100
26	M19	Z	6.549	6.549	0	%100
27	M20	X	-4.378	-4.378	0	%100
28	M20	Z	7.582	7.582	0	%100
29	M21	X	-2.088	-2.088	0	%100
30	M21	Z	3.616	3.616	0	%100
31	M22	X	-.057	-.057	0	%100
32	M22	Z	.1	.1	0	%100
33	M21A	X	-2.088	-2.088	0	%100
34	M21A	Z	3.616	3.616	0	%100
35	M23	X	-.057	-.057	0	%100
36	M23	Z	.1	.1	0	%100
37	M23A	X	-3.692	-3.692	0	%100
38	M23A	Z	6.394	6.394	0	%100
39	M24	X	-.747	-.747	0	%100
40	M24	Z	1.294	1.294	0	%100
41	M25	X	-4.273	-4.273	0	%100
42	M25	Z	7.402	7.402	0	%100
43	M26	X	-4.273	-4.273	0	%100
44	M26	Z	7.402	7.402	0	%100
45	M27	X	-4.273	-4.273	0	%100
46	M27	Z	7.402	7.402	0	%100
47	M28	X	-4.273	-4.273	0	%100
48	M28	Z	7.402	7.402	0	%100
49	M29	X	-4.273	-4.273	0	%100
50	M29	Z	7.402	7.402	0	%100
51	MP2A	X	-5.433	-5.433	0	%100
52	MP2A	Z	9.41	9.41	0	%100
53	MP3A	X	-5.433	-5.433	0	%100
54	MP3A	Z	9.41	9.41	0	%100
55	M161	X	-2.717	-2.717	0	%100
56	M161	Z	4.707	4.707	0	%100
57	M162	X	-2.717	-2.717	0	%100
58	M162	Z	4.707	4.707	0	%100
59	M163	X	-.173	-.173	0	%100
60	M163	Z	.299	.299	0	%100
61	M164	X	-2.083	-2.083	0	%100
62	M164	Z	3.608	3.608	0	%100
63	M165	X	-5.003	-5.003	0	%100
64	M165	Z	8.665	8.665	0	%100
65	M168	X	-5.311	-5.311	0	%100
66	M168	Z	9.199	9.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
67	M169	X	-4.354	-4.354	0	%100
68	M169	Z	7.541	7.541	0	%100
69	M170	X	-4.354	-4.354	0	%100
70	M170	Z	7.541	7.541	0	%100
71	M171	X	-4.273	-4.273	0	%100
72	M171	Z	7.402	7.402	0	%100
73	M172	X	-4.273	-4.273	0	%100
74	M172	Z	7.402	7.402	0	%100
75	MP1B	X	-5.433	-5.433	0	%100
76	MP1B	Z	9.41	9.41	0	%100
77	M176	X	-.173	-.173	0	%100
78	M176	Z	.299	.299	0	%100
79	M177	X	-2.083	-2.083	0	%100
80	M177	Z	3.608	3.608	0	%100
81	M178	X	-5.003	-5.003	0	%100
82	M178	Z	8.665	8.665	0	%100
83	M179	X	-13.347	-13.347	0	%100
84	M179	Z	23.119	23.119	0	%100
85	M180	X	-.715	-.715	0	%100
86	M180	Z	1.238	1.238	0	%100
87	M181	X	-13.347	-13.347	0	%100
88	M181	Z	23.119	23.119	0	%100
89	M182	X	-.715	-.715	0	%100
90	M182	Z	1.238	1.238	0	%100
91	M183	X	-3.692	-3.692	0	%100
92	M183	Z	6.394	6.394	0	%100
93	M184	X	-1.073	-1.073	0	%100
94	M184	Z	1.858	1.858	0	%100
95	M185	X	-4.273	-4.273	0	%100
96	M185	Z	7.402	7.402	0	%100
97	M186	X	-4.273	-4.273	0	%100
98	M186	Z	7.402	7.402	0	%100
99	M187	X	-4.273	-4.273	0	%100
100	M187	Z	7.402	7.402	0	%100
101	M188	X	-4.273	-4.273	0	%100
102	M188	Z	7.402	7.402	0	%100
103	M189	X	-4.273	-4.273	0	%100
104	M189	Z	7.402	7.402	0	%100
105	MP2B	X	-5.433	-5.433	0	%100
106	MP2B	Z	9.41	9.41	0	%100
107	MP3B	X	-5.433	-5.433	0	%100
108	MP3B	Z	9.41	9.41	0	%100
109	M201	X	-2.717	-2.717	0	%100
110	M201	Z	4.707	4.707	0	%100
111	M202	X	-2.717	-2.717	0	%100
112	M202	Z	4.707	4.707	0	%100
113	M203	X	-5.003	-5.003	0	%100
114	M203	Z	8.665	8.665	0	%100
115	M204	X	-2.083	-2.083	0	%100
116	M204	Z	3.608	3.608	0	%100
117	M205	X	-.173	-.173	0	%100
118	M205	Z	.299	.299	0	%100
119	M208	X	-5.311	-5.311	0	%100
120	M208	Z	9.199	9.199	0	%100
121	M209	X	-3.067	-3.067	0	%100
122	M209	Z	5.312	5.312	0	%100
123	M210	X	-3.067	-3.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	5.312	5.312	0	%100
125	M211	X	-4.273	-4.273	0	%100
126	M211	Z	7.402	7.402	0	%100
127	M212	X	-4.273	-4.273	0	%100
128	M212	Z	7.402	7.402	0	%100
129	MP1C	X	-5.433	-5.433	0	%100
130	MP1C	Z	9.41	9.41	0	%100
131	M216	X	-5.003	-5.003	0	%100
132	M216	Z	8.665	8.665	0	%100
133	M217	X	-2.083	-2.083	0	%100
134	M217	Z	3.608	3.608	0	%100
135	M218	X	-.173	-.173	0	%100
136	M218	Z	.299	.299	0	%100
137	M219	X	-9.847	-9.847	0	%100
138	M219	Z	17.055	17.055	0	%100
139	M220	X	-.503	-.503	0	%100
140	M220	Z	.872	.872	0	%100
141	M221	X	-9.847	-9.847	0	%100
142	M221	Z	17.055	17.055	0	%100
143	M222	X	-.503	-.503	0	%100
144	M222	Z	.872	.872	0	%100
145	M223	X	-3.692	-3.692	0	%100
146	M223	Z	6.394	6.394	0	%100
147	M224	X	-.968	-.968	0	%100
148	M224	Z	1.677	1.677	0	%100
149	M225	X	-4.273	-4.273	0	%100
150	M225	Z	7.402	7.402	0	%100
151	M226	X	-4.273	-4.273	0	%100
152	M226	Z	7.402	7.402	0	%100
153	M227	X	-4.273	-4.273	0	%100
154	M227	Z	7.402	7.402	0	%100
155	M228	X	-4.273	-4.273	0	%100
156	M228	Z	7.402	7.402	0	%100
157	M229	X	-4.273	-4.273	0	%100
158	M229	Z	7.402	7.402	0	%100
159	MP2C	X	-5.433	-5.433	0	%100
160	MP2C	Z	9.41	9.41	0	%100
161	MP3C	X	-5.433	-5.433	0	%100
162	MP3C	Z	9.41	9.41	0	%100
163	M121	X	-2.493	-2.493	0	%100
164	M121	Z	4.318	4.318	0	%100
165	M122A	X	-.471	-.471	0	%100
166	M122A	Z	.815	.815	0	%100
167	M123A	X	-5.246	-5.246	0	%100
168	M123A	Z	9.086	9.086	0	%100
169	M124A	X	-2.493	-2.493	0	%100
170	M124A	Z	4.318	4.318	0	%100
171	M125A	X	-.471	-.471	0	%100
172	M125A	Z	.815	.815	0	%100
173	M126A	X	-5.246	-5.246	0	%100
174	M126A	Z	9.086	9.086	0	%100
175	OVP1	X	-5.433	-5.433	0	%100
176	OVP1	Z	9.41	9.41	0	%100
177	OVP2	X	-5.433	-5.433	0	%100
178	OVP2	Z	9.41	9.41	0	%100
179	M133	X	-5.554	-5.554	0	%100
180	M133	Z	9.619	9.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
181	M137	X	-3.06	-3.06	0	%100
182	M137	Z	5.299	5.299	0	%100
183	M141	X	-3.06	-3.06	0	%100
184	M141	Z	5.299	5.299	0	%100
185	M148	X	-.433	-.433	0	%100
186	M148	Z	.75	.75	0	%100
187	M149	X	-3.787	-3.787	0	%100
188	M149	Z	6.56	6.56	0	%100
189	M150	X	-5.39	-5.39	0	%100
190	M150	Z	9.336	9.336	0	%100
191	M151	X	-4.794	-4.794	0	%100
192	M151	Z	8.304	8.304	0	%100
193	M152	X	-.847	-.847	0	%100
194	M152	Z	1.467	1.467	0	%100
195	M153	X	-2.489	-2.489	0	%100
196	M153	Z	4.312	4.312	0	%100
197	M151A	X	-2.496	-2.496	0	%100
198	M151A	Z	4.323	4.323	0	%100
199	M152A	X	-2.604	-2.604	0	%100
200	M152A	Z	4.51	4.51	0	%100
201	M153A	X	-1.026	-1.026	0	%100
202	M153A	Z	1.777	1.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-2.848	-2.848	0	%100
2	M109	Z	1.644	1.644	0	%100
3	M110	X	-2.848	-2.848	0	%100
4	M110	Z	1.644	1.644	0	%100
5	M116	X	-1.084	-1.084	0	%100
6	M116	Z	.626	.626	0	%100
7	M117	X	-2.183	-2.183	0	%100
8	M117	Z	1.26	1.26	0	%100
9	M118	X	-8.44	-8.44	0	%100
10	M118	Z	4.873	4.873	0	%100
11	M124	X	-9.199	-9.199	0	%100
12	M124	Z	5.311	5.311	0	%100
13	M125	X	-4.526	-4.526	0	%100
14	M125	Z	2.613	2.613	0	%100
15	M126	X	-4.526	-4.526	0	%100
16	M126	Z	2.613	2.613	0	%100
17	M127	X	-7.402	-7.402	0	%100
18	M127	Z	4.273	4.273	0	%100
19	M128	X	-7.402	-7.402	0	%100
20	M128	Z	4.273	4.273	0	%100
21	MP1A	X	-9.41	-9.41	0	%100
22	MP1A	Z	5.433	5.433	0	%100
23	M18	X	-1.084	-1.084	0	%100
24	M18	Z	.626	.626	0	%100
25	M19	X	-2.183	-2.183	0	%100
26	M19	Z	1.26	1.26	0	%100
27	M20	X	-8.44	-8.44	0	%100
28	M20	Z	4.873	4.873	0	%100
29	M21	X	-14.81	-14.81	0	%100
30	M21	Z	8.551	8.551	0	%100
31	M22	X	-.743	-.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	.429	.429	0	%100
33	M21A	X	-14.81	-14.81	0	%100
34	M21A	Z	8.551	8.551	0	%100
35	M23	X	-.743	-.743	0	%100
36	M23	Z	.429	.429	0	%100
37	M23A	X	-6.394	-6.394	0	%100
38	M23A	Z	3.692	3.692	0	%100
39	M24	X	-1.613	-1.613	0	%100
40	M24	Z	.931	.931	0	%100
41	M25	X	-7.402	-7.402	0	%100
42	M25	Z	4.273	4.273	0	%100
43	M26	X	-7.402	-7.402	0	%100
44	M26	Z	4.273	4.273	0	%100
45	M27	X	-7.402	-7.402	0	%100
46	M27	Z	4.273	4.273	0	%100
47	M28	X	-7.402	-7.402	0	%100
48	M28	Z	4.273	4.273	0	%100
49	M29	X	-7.402	-7.402	0	%100
50	M29	Z	4.273	4.273	0	%100
51	MP2A	X	-9.41	-9.41	0	%100
52	MP2A	Z	5.433	5.433	0	%100
53	MP3A	X	-9.41	-9.41	0	%100
54	MP3A	Z	5.433	5.433	0	%100
55	M161	X	-.343	-.343	0	%100
56	M161	Z	.198	.198	0	%100
57	M162	X	-.343	-.343	0	%100
58	M162	Z	.198	.198	0	%100
59	M163	X	-3.687	-3.687	0	%100
60	M163	Z	2.128	2.128	0	%100
61	M164	X	-.263	-.263	0	%100
62	M164	Z	.152	.152	0	%100
63	M165	X	-6.592	-6.592	0	%100
64	M165	Z	3.806	3.806	0	%100
65	M168	X	-9.199	-9.199	0	%100
66	M168	Z	5.311	5.311	0	%100
67	M169	X	-8.957	-8.957	0	%100
68	M169	Z	5.172	5.172	0	%100
69	M170	X	-8.957	-8.957	0	%100
70	M170	Z	5.172	5.172	0	%100
71	M171	X	-7.402	-7.402	0	%100
72	M171	Z	4.273	4.273	0	%100
73	M172	X	-7.402	-7.402	0	%100
74	M172	Z	4.273	4.273	0	%100
75	MP1B	X	-9.41	-9.41	0	%100
76	MP1B	Z	5.433	5.433	0	%100
77	M176	X	-3.687	-3.687	0	%100
78	M176	Z	2.128	2.128	0	%100
79	M177	X	-.263	-.263	0	%100
80	M177	Z	.152	.152	0	%100
81	M178	X	-6.592	-6.592	0	%100
82	M178	Z	3.806	3.806	0	%100
83	M179	X	-27.539	-27.539	0	%100
84	M179	Z	15.9	15.9	0	%100
85	M180	X	-1.47	-1.47	0	%100
86	M180	Z	.849	.849	0	%100
87	M181	X	-27.539	-27.539	0	%100
88	M181	Z	15.9	15.9	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	-1.47	-1.47	0	%100
90	M182	Z	.849	.849	0	%100
91	M183	X	-6.394	-6.394	0	%100
92	M183	Z	3.692	3.692	0	%100
93	M184	X	-1.973	-1.973	0	%100
94	M184	Z	1.139	1.139	0	%100
95	M185	X	-7.402	-7.402	0	%100
96	M185	Z	4.273	4.273	0	%100
97	M186	X	-7.402	-7.402	0	%100
98	M186	Z	4.273	4.273	0	%100
99	M187	X	-7.402	-7.402	0	%100
100	M187	Z	4.273	4.273	0	%100
101	M188	X	-7.402	-7.402	0	%100
102	M188	Z	4.273	4.273	0	%100
103	M189	X	-7.402	-7.402	0	%100
104	M189	Z	4.273	4.273	0	%100
105	MP2B	X	-9.41	-9.41	0	%100
106	MP2B	Z	5.433	5.433	0	%100
107	MP3B	X	-9.41	-9.41	0	%100
108	MP3B	Z	5.433	5.433	0	%100
109	M201	X	-10.059	-10.059	0	%100
110	M201	Z	5.807	5.807	0	%100
111	M202	X	-10.059	-10.059	0	%100
112	M202	Z	5.807	5.807	0	%100
113	M203	X	-6.406	-6.406	0	%100
114	M203	Z	3.698	3.698	0	%100
115	M204	X	-7.71	-7.71	0	%100
116	M204	Z	4.451	4.451	0	%100
117	M205	X	-.946	-.946	0	%100
118	M205	Z	.546	.546	0	%100
119	M208	X	-9.199	-9.199	0	%100
120	M208	Z	5.311	5.311	0	%100
121	M209	X	-1.059	-1.059	0	%100
122	M209	Z	.611	.611	0	%100
123	M210	X	-1.059	-1.059	0	%100
124	M210	Z	.611	.611	0	%100
125	M211	X	-7.402	-7.402	0	%100
126	M211	Z	4.273	4.273	0	%100
127	M212	X	-7.402	-7.402	0	%100
128	M212	Z	4.273	4.273	0	%100
129	MP1C	X	-9.41	-9.41	0	%100
130	MP1C	Z	5.433	5.433	0	%100
131	M216	X	-6.406	-6.406	0	%100
132	M216	Z	3.698	3.698	0	%100
133	M217	X	-7.71	-7.71	0	%100
134	M217	Z	4.451	4.451	0	%100
135	M218	X	-.946	-.946	0	%100
136	M218	Z	.546	.546	0	%100
137	M219	X	-4.909	-4.909	0	%100
138	M219	Z	2.834	2.834	0	%100
139	M220	X	-.174	-.174	0	%100
140	M220	Z	.1	.1	0	%100
141	M221	X	-4.909	-4.909	0	%100
142	M221	Z	2.834	2.834	0	%100
143	M222	X	-.174	-.174	0	%100
144	M222	Z	.1	.1	0	%100
145	M223	X	-6.394	-6.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	3.692	3.692	0	%100
147	M224	X	-1.331	-1.331	0	%100
148	M224	Z	.768	.768	0	%100
149	M225	X	-7.402	-7.402	0	%100
150	M225	Z	4.273	4.273	0	%100
151	M226	X	-7.402	-7.402	0	%100
152	M226	Z	4.273	4.273	0	%100
153	M227	X	-7.402	-7.402	0	%100
154	M227	Z	4.273	4.273	0	%100
155	M228	X	-7.402	-7.402	0	%100
156	M228	Z	4.273	4.273	0	%100
157	M229	X	-7.402	-7.402	0	%100
158	M229	Z	4.273	4.273	0	%100
159	MP2C	X	-9.41	-9.41	0	%100
160	MP2C	Z	5.433	5.433	0	%100
161	MP3C	X	-9.41	-9.41	0	%100
162	MP3C	Z	5.433	5.433	0	%100
163	M121	X	-8.572	-8.572	0	%100
164	M121	Z	4.949	4.949	0	%100
165	M122A	X	-.468	-.468	0	%100
166	M122A	Z	.27	.27	0	%100
167	M123A	X	-5.408	-5.408	0	%100
168	M123A	Z	3.122	3.122	0	%100
169	M124A	X	-8.572	-8.572	0	%100
170	M124A	Z	4.949	4.949	0	%100
171	M125A	X	-.468	-.468	0	%100
172	M125A	Z	.27	.27	0	%100
173	M126A	X	-5.408	-5.408	0	%100
174	M126A	Z	3.122	3.122	0	%100
175	OVP1	X	-9.41	-9.41	0	%100
176	OVP1	Z	5.433	5.433	0	%100
177	OVP2	X	-9.41	-9.41	0	%100
178	OVP2	Z	5.433	5.433	0	%100
179	M133	X	-3.206	-3.206	0	%100
180	M133	Z	1.851	1.851	0	%100
181	M137	X	-.387	-.387	0	%100
182	M137	Z	.223	.223	0	%100
183	M141	X	-11.325	-11.325	0	%100
184	M141	Z	6.539	6.539	0	%100
185	M148	X	-5.602	-5.602	0	%100
186	M148	Z	3.234	3.234	0	%100
187	M149	X	-1.308	-1.308	0	%100
188	M149	Z	.755	.755	0	%100
189	M150	X	-11.088	-11.088	0	%100
190	M150	Z	6.402	6.402	0	%100
191	M151	X	-3.879	-3.879	0	%100
192	M151	Z	2.24	2.24	0	%100
193	M152	X	-.13	-.13	0	%100
194	M152	Z	.075	.075	0	%100
195	M153	X	-8.569	-8.569	0	%100
196	M153	Z	4.947	4.947	0	%100
197	M151A	X	-.82	-.82	0	%100
198	M151A	Z	.473	.473	0	%100
199	M152A	X	-.942	-.942	0	%100
200	M152A	Z	.544	.544	0	%100
201	M153A	X	-5.539	-5.539	0	%100
202	M153A	Z	3.198	3.198	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	M116	X	-5.994	-5.994	0	%100
6	M116	Z	0	0	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	0	0	0	%100
9	M118	X	-5.994	-5.994	0	%100
10	M118	Z	0	0	0	%100
11	M124	X	-10.622	-10.622	0	%100
12	M124	Z	0	0	0	%100
13	M125	X	-9.753	-9.753	0	%100
14	M125	Z	0	0	0	%100
15	M126	X	-9.753	-9.753	0	%100
16	M126	Z	0	0	0	%100
17	M127	X	-8.547	-8.547	0	%100
18	M127	Z	0	0	0	%100
19	M128	X	-8.547	-8.547	0	%100
20	M128	Z	0	0	0	%100
21	MP1A	X	-10.866	-10.866	0	%100
22	MP1A	Z	0	0	0	%100
23	M18	X	-5.994	-5.994	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20	X	-5.994	-5.994	0	%100
28	M20	Z	0	0	0	%100
29	M21	X	-30.027	-30.027	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	-1.601	-1.601	0	%100
32	M22	Z	0	0	0	%100
33	M21A	X	-30.027	-30.027	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	-1.601	-1.601	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	-7.383	-7.383	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	-2.231	-2.231	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-8.547	-8.547	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-8.547	-8.547	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-8.547	-8.547	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-8.547	-8.547	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-8.547	-8.547	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	-10.866	-10.866	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-10.866	-10.866	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	-1.539	-1.539	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	-1.539	-1.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	0	0	0	%100
59	M163	X	-8.915	-8.915	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	-1.179	-1.179	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	-2.61	-2.61	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	-10.622	-10.622	0	%100
66	M168	Z	0	0	0	%100
67	M169	X	-6.862	-6.862	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	-6.862	-6.862	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	-8.547	-8.547	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	-8.547	-8.547	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	-10.866	-10.866	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	-8.915	-8.915	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	-1.179	-1.179	0	%100
80	M177	Z	0	0	0	%100
81	M178	X	-2.61	-2.61	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	-22.206	-22.206	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	-1.126	-1.126	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	-22.206	-22.206	0	%100
88	M181	Z	0	0	0	%100
89	M182	X	-1.126	-1.126	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	-7.383	-7.383	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	-1.995	-1.995	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	-8.547	-8.547	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	-8.547	-8.547	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	-8.547	-8.547	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	-8.547	-8.547	0	%100
102	M188	Z	0	0	0	%100
103	M189	X	-8.547	-8.547	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	-10.866	-10.866	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	-10.866	-10.866	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	-12.757	-12.757	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	-12.757	-12.757	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	-2.395	-2.395	0	%100
114	M203	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
115	M204	X	-9.778	-9.778	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	-5.75	-5.75	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	-10.622	-10.622	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	-.315	-.315	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	-.315	-.315	0	%100
124	M210	Z	0	0	0	%100
125	M211	X	-8.547	-8.547	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	-8.547	-8.547	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	-10.866	-10.866	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	-2.395	-2.395	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	-9.778	-9.778	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	-5.75	-5.75	0	%100
136	M218	Z	0	0	0	%100
137	M219	X	-3.076	-3.076	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	-.052	-.052	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	-3.076	-3.076	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	-.052	-.052	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	-7.383	-7.383	0	%100
146	M223	Z	0	0	0	%100
147	M224	X	-1.463	-1.463	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	-8.547	-8.547	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	-8.547	-8.547	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	-8.547	-8.547	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	-8.547	-8.547	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	-8.547	-8.547	0	%100
158	M229	Z	0	0	0	%100
159	MP2C	X	-10.866	-10.866	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	-10.866	-10.866	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	-10.346	-10.346	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	-5.032	-5.032	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	-1.187	-1.187	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	-10.346	-10.346	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	-5.032	-5.032	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
172	M125A	Z	0	0	0 %100
173	M126A	X	-1.187	-1.187	0 %100
174	M126A	Z	0	0	0 %100
175	OVP1	X	-10.866	-10.866	0 %100
176	OVP1	Z	0	0	0 %100
177	OVP2	X	-10.866	-10.866	0 %100
178	OVP2	Z	0	0	0 %100
179	M133	X	0	0	0 %100
180	M133	Z	0	0	0 %100
181	M137	X	-1.732	-1.732	0 %100
182	M137	Z	0	0	0 %100
183	M141	X	-14.363	-14.363	0 %100
184	M141	Z	0	0	0 %100
185	M148	X	-12.07	-12.07	0 %100
186	M148	Z	0	0	0 %100
187	M149	X	-.389	-.389	0 %100
188	M149	Z	0	0	0 %100
189	M150	X	-8.494	-8.494	0 %100
190	M150	Z	0	0	0 %100
191	M151	X	-.324	-.324	0 %100
192	M151	Z	0	0	0 %100
193	M152	X	-3.888	-3.888	0 %100
194	M152	Z	0	0	0 %100
195	M153	X	-10.349	-10.349	0 %100
196	M153	Z	0	0	0 %100
197	M151A	X	-.302	-.302	0 %100
198	M151A	Z	0	0	0 %100
199	M152A	X	-.226	-.226	0 %100
200	M152A	Z	0	0	0 %100
201	M153A	X	-8.691	-8.691	0 %100
202	M153A	Z	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	-2.848	-2.848	0 %100
2	M109	Z	-1.644	-1.644	0 %100
3	M110	X	-2.848	-2.848	0 %100
4	M110	Z	-1.644	-1.644	0 %100
5	M116	X	-8.44	-8.44	0 %100
6	M116	Z	-4.873	-4.873	0 %100
7	M117	X	-2.183	-2.183	0 %100
8	M117	Z	-1.26	-1.26	0 %100
9	M118	X	-1.084	-1.084	0 %100
10	M118	Z	-.626	-.626	0 %100
11	M124	X	-9.199	-9.199	0 %100
12	M124	Z	-5.311	-5.311	0 %100
13	M125	X	-8.446	-8.446	0 %100
14	M125	Z	-4.876	-4.876	0 %100
15	M126	X	-8.446	-8.446	0 %100
16	M126	Z	-4.876	-4.876	0 %100
17	M127	X	-7.402	-7.402	0 %100
18	M127	Z	-4.273	-4.273	0 %100
19	M128	X	-7.402	-7.402	0 %100
20	M128	Z	-4.273	-4.273	0 %100
21	MP1A	X	-9.41	-9.41	0 %100
22	MP1A	Z	-5.433	-5.433	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
23	M18	X	-8.44	-8.44	0	%100
24	M18	Z	-4.873	-4.873	0	%100
25	M19	X	-2.183	-2.183	0	%100
26	M19	Z	-1.26	-1.26	0	%100
27	M20	X	-1.084	-1.084	0	%100
28	M20	Z	-.626	-.626	0	%100
29	M21	X	-26.004	-26.004	0	%100
30	M21	Z	-15.013	-15.013	0	%100
31	M22	X	-1.386	-1.386	0	%100
32	M22	Z	-.8	-.8	0	%100
33	M21A	X	-26.004	-26.004	0	%100
34	M21A	Z	-15.013	-15.013	0	%100
35	M23	X	-1.386	-1.386	0	%100
36	M23	Z	-.8	-.8	0	%100
37	M23A	X	-6.394	-6.394	0	%100
38	M23A	Z	-3.692	-3.692	0	%100
39	M24	X	-1.932	-1.932	0	%100
40	M24	Z	-1.115	-1.115	0	%100
41	M25	X	-7.402	-7.402	0	%100
42	M25	Z	-4.273	-4.273	0	%100
43	M26	X	-7.402	-7.402	0	%100
44	M26	Z	-4.273	-4.273	0	%100
45	M27	X	-7.402	-7.402	0	%100
46	M27	Z	-4.273	-4.273	0	%100
47	M28	X	-7.402	-7.402	0	%100
48	M28	Z	-4.273	-4.273	0	%100
49	M29	X	-7.402	-7.402	0	%100
50	M29	Z	-4.273	-4.273	0	%100
51	MP2A	X	-9.41	-9.41	0	%100
52	MP2A	Z	-5.433	-5.433	0	%100
53	MP3A	X	-9.41	-9.41	0	%100
54	MP3A	Z	-5.433	-5.433	0	%100
55	M161	X	-6.685	-6.685	0	%100
56	M161	Z	-3.859	-3.859	0	%100
57	M162	X	-6.685	-6.685	0	%100
58	M162	Z	-3.859	-3.859	0	%100
59	M163	X	-8.367	-8.367	0	%100
60	M163	Z	-4.831	-4.831	0	%100
61	M164	X	-5.124	-5.124	0	%100
62	M164	Z	-2.958	-2.958	0	%100
63	M165	X	-.001	-.001	0	%100
64	M165	Z	-.00077	-.00077	0	%100
65	M168	X	-9.199	-9.199	0	%100
66	M168	Z	-5.311	-5.311	0	%100
67	M169	X	-1.511	-1.511	0	%100
68	M169	Z	-.872	-.872	0	%100
69	M170	X	-1.511	-1.511	0	%100
70	M170	Z	-.872	-.872	0	%100
71	M171	X	-7.402	-7.402	0	%100
72	M171	Z	-4.273	-4.273	0	%100
73	M172	X	-7.402	-7.402	0	%100
74	M172	Z	-4.273	-4.273	0	%100
75	MP1B	X	-9.41	-9.41	0	%100
76	MP1B	Z	-5.433	-5.433	0	%100
77	M176	X	-8.367	-8.367	0	%100
78	M176	Z	-4.831	-4.831	0	%100
79	M177	X	-5.124	-5.124	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
80	M177	Z	-2.958	-2.958	0	%100
81	M178	X	-.001	-.001	0	%100
82	M178	Z	-.00077	-.00077	0	%100
83	M179	X	-6.502	-6.502	0	%100
84	M179	Z	-3.754	-3.754	0	%100
85	M180	X	-.248	-.248	0	%100
86	M180	Z	-.143	-.143	0	%100
87	M181	X	-6.502	-6.502	0	%100
88	M181	Z	-3.754	-3.754	0	%100
89	M182	X	-.248	-.248	0	%100
90	M182	Z	-.143	-.143	0	%100
91	M183	X	-6.394	-6.394	0	%100
92	M183	Z	-3.692	-3.692	0	%100
93	M184	X	-1.368	-1.368	0	%100
94	M184	Z	-.79	-.79	0	%100
95	M185	X	-7.402	-7.402	0	%100
96	M185	Z	-4.273	-4.273	0	%100
97	M186	X	-7.402	-7.402	0	%100
98	M186	Z	-4.273	-4.273	0	%100
99	M187	X	-7.402	-7.402	0	%100
100	M187	Z	-4.273	-4.273	0	%100
101	M188	X	-7.402	-7.402	0	%100
102	M188	Z	-4.273	-4.273	0	%100
103	M189	X	-7.402	-7.402	0	%100
104	M189	Z	-4.273	-4.273	0	%100
105	MP2B	X	-9.41	-9.41	0	%100
106	MP2B	Z	-5.433	-5.433	0	%100
107	MP3B	X	-9.41	-9.41	0	%100
108	MP3B	Z	-5.433	-5.433	0	%100
109	M201	X	-6.685	-6.685	0	%100
110	M201	Z	-3.859	-3.859	0	%100
111	M202	X	-6.685	-6.685	0	%100
112	M202	Z	-3.859	-3.859	0	%100
113	M203	X	-.001	-.001	0	%100
114	M203	Z	-.00077	-.00077	0	%100
115	M204	X	-5.124	-5.124	0	%100
116	M204	Z	-2.958	-2.958	0	%100
117	M205	X	-8.367	-8.367	0	%100
118	M205	Z	-4.831	-4.831	0	%100
119	M208	X	-9.199	-9.199	0	%100
120	M208	Z	-5.311	-5.311	0	%100
121	M209	X	-3.74	-3.74	0	%100
122	M209	Z	-2.159	-2.159	0	%100
123	M210	X	-3.74	-3.74	0	%100
124	M210	Z	-2.159	-2.159	0	%100
125	M211	X	-7.402	-7.402	0	%100
126	M211	Z	-4.273	-4.273	0	%100
127	M212	X	-7.402	-7.402	0	%100
128	M212	Z	-4.273	-4.273	0	%100
129	MP1C	X	-9.41	-9.41	0	%100
130	MP1C	Z	-5.433	-5.433	0	%100
131	M216	X	-.001	-.001	0	%100
132	M216	Z	-.00077	-.00077	0	%100
133	M217	X	-5.124	-5.124	0	%100
134	M217	Z	-2.958	-2.958	0	%100
135	M218	X	-8.367	-8.367	0	%100
136	M218	Z	-4.831	-4.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	-12.566	-12.566	0	%100
138	M219	Z	-7.255	-7.255	0	%100
139	M220	X	-.614	-.614	0	%100
140	M220	Z	-.354	-.354	0	%100
141	M221	X	-12.566	-12.566	0	%100
142	M221	Z	-7.255	-7.255	0	%100
143	M222	X	-.614	-.614	0	%100
144	M222	Z	-.354	-.354	0	%100
145	M223	X	-6.394	-6.394	0	%100
146	M223	Z	-3.692	-3.692	0	%100
147	M224	X	-1.549	-1.549	0	%100
148	M224	Z	-.894	-.894	0	%100
149	M225	X	-7.402	-7.402	0	%100
150	M225	Z	-4.273	-4.273	0	%100
151	M226	X	-7.402	-7.402	0	%100
152	M226	Z	-4.273	-4.273	0	%100
153	M227	X	-7.402	-7.402	0	%100
154	M227	Z	-4.273	-4.273	0	%100
155	M228	X	-7.402	-7.402	0	%100
156	M228	Z	-4.273	-4.273	0	%100
157	M229	X	-7.402	-7.402	0	%100
158	M229	Z	-4.273	-4.273	0	%100
159	MP2C	X	-9.41	-9.41	0	%100
160	MP2C	Z	-5.433	-5.433	0	%100
161	MP3C	X	-9.41	-9.41	0	%100
162	MP3C	Z	-5.433	-5.433	0	%100
163	M121	X	-5.093	-5.093	0	%100
164	M121	Z	-2.94	-2.94	0	%100
165	M122A	X	-8.595	-8.595	0	%100
166	M122A	Z	-4.962	-4.962	0	%100
167	M123A	X	-.325	-.325	0	%100
168	M123A	Z	-.187	-.187	0	%100
169	M124A	X	-5.093	-5.093	0	%100
170	M124A	Z	-2.94	-2.94	0	%100
171	M125A	X	-8.595	-8.595	0	%100
172	M125A	Z	-4.962	-4.962	0	%100
173	M126A	X	-.325	-.325	0	%100
174	M126A	Z	-.187	-.187	0	%100
175	OVP1	X	-9.41	-9.41	0	%100
176	OVP1	Z	-5.433	-5.433	0	%100
177	OVP2	X	-9.41	-9.41	0	%100
178	OVP2	Z	-5.433	-5.433	0	%100
179	M133	X	-3.206	-3.206	0	%100
180	M133	Z	-1.851	-1.851	0	%100
181	M137	X	-7.526	-7.526	0	%100
182	M137	Z	-4.345	-4.345	0	%100
183	M141	X	-7.526	-7.526	0	%100
184	M141	Z	-4.345	-4.345	0	%100
185	M148	X	-10.453	-10.453	0	%100
186	M148	Z	-6.035	-6.035	0	%100
187	M149	X	-4.619	-4.619	0	%100
188	M149	Z	-2.667	-2.667	0	%100
189	M150	X	-1.871	-1.871	0	%100
190	M150	Z	-1.08	-1.08	0	%100
191	M151	X	-1.107	-1.107	0	%100
192	M151	Z	-.639	-.639	0	%100
193	M152	X	-7.943	-7.943	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	-4.586	-4.586	0	%100
195	M153	X	-5.099	-5.099	0	%100
196	M153	Z	-2.944	-2.944	0	%100
197	M151A	X	-3.206	-3.206	0	%100
198	M151A	Z	-1.851	-1.851	0	%100
199	M152A	X	-3.018	-3.018	0	%100
200	M152A	Z	-1.742	-1.742	0	%100
201	M153A	X	-5.752	-5.752	0	%100
202	M153A	Z	-3.321	-3.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	-4.933	-4.933	0	%100
2	M109	Z	-8.544	-8.544	0	%100
3	M110	X	-4.933	-4.933	0	%100
4	M110	Z	-8.544	-8.544	0	%100
5	M116	X	-4.378	-4.378	0	%100
6	M116	Z	-7.582	-7.582	0	%100
7	M117	X	-3.781	-3.781	0	%100
8	M117	Z	-6.549	-6.549	0	%100
9	M118	X	-.13	-.13	0	%100
10	M118	Z	-.226	-.226	0	%100
11	M124	X	-5.311	-5.311	0	%100
12	M124	Z	-9.199	-9.199	0	%100
13	M125	X	-2.613	-2.613	0	%100
14	M125	Z	-4.526	-4.526	0	%100
15	M126	X	-2.613	-2.613	0	%100
16	M126	Z	-4.526	-4.526	0	%100
17	M127	X	-4.273	-4.273	0	%100
18	M127	Z	-7.402	-7.402	0	%100
19	M128	X	-4.273	-4.273	0	%100
20	M128	Z	-7.402	-7.402	0	%100
21	MP1A	X	-5.433	-5.433	0	%100
22	MP1A	Z	-9.41	-9.41	0	%100
23	M18	X	-4.378	-4.378	0	%100
24	M18	Z	-7.582	-7.582	0	%100
25	M19	X	-3.781	-3.781	0	%100
26	M19	Z	-6.549	-6.549	0	%100
27	M20	X	-.13	-.13	0	%100
28	M20	Z	-.226	-.226	0	%100
29	M21	X	-8.551	-8.551	0	%100
30	M21	Z	-14.81	-14.81	0	%100
31	M22	X	-.429	-.429	0	%100
32	M22	Z	-.743	-.743	0	%100
33	M21A	X	-8.551	-8.551	0	%100
34	M21A	Z	-14.81	-14.81	0	%100
35	M23	X	-.429	-.429	0	%100
36	M23	Z	-.743	-.743	0	%100
37	M23A	X	-3.692	-3.692	0	%100
38	M23A	Z	-6.394	-6.394	0	%100
39	M24	X	-.931	-.931	0	%100
40	M24	Z	-1.613	-1.613	0	%100
41	M25	X	-4.273	-4.273	0	%100
42	M25	Z	-7.402	-7.402	0	%100
43	M26	X	-4.273	-4.273	0	%100
44	M26	Z	-7.402	-7.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
45	M27	X	-4.273	-4.273	0	%100
46	M27	Z	-7.402	-7.402	0	%100
47	M28	X	-4.273	-4.273	0	%100
48	M28	Z	-7.402	-7.402	0	%100
49	M29	X	-4.273	-4.273	0	%100
50	M29	Z	-7.402	-7.402	0	%100
51	MP2A	X	-5.433	-5.433	0	%100
52	MP2A	Z	-9.41	-9.41	0	%100
53	MP3A	X	-5.433	-5.433	0	%100
54	MP3A	Z	-9.41	-9.41	0	%100
55	M161	X	-6.379	-6.379	0	%100
56	M161	Z	-11.048	-11.048	0	%100
57	M162	X	-6.379	-6.379	0	%100
58	M162	Z	-11.048	-11.048	0	%100
59	M163	X	-2.875	-2.875	0	%100
60	M163	Z	-4.979	-4.979	0	%100
61	M164	X	-4.889	-4.889	0	%100
62	M164	Z	-8.468	-8.468	0	%100
63	M165	X	-1.197	-1.197	0	%100
64	M165	Z	-2.074	-2.074	0	%100
65	M168	X	-5.311	-5.311	0	%100
66	M168	Z	-9.199	-9.199	0	%100
67	M169	X	-0.055	-0.055	0	%100
68	M169	Z	-0.095	-0.095	0	%100
69	M170	X	-0.055	-0.055	0	%100
70	M170	Z	-0.095	-0.095	0	%100
71	M171	X	-4.273	-4.273	0	%100
72	M171	Z	-7.402	-7.402	0	%100
73	M172	X	-4.273	-4.273	0	%100
74	M172	Z	-7.402	-7.402	0	%100
75	MP1B	X	-5.433	-5.433	0	%100
76	MP1B	Z	-9.41	-9.41	0	%100
77	M176	X	-2.875	-2.875	0	%100
78	M176	Z	-4.979	-4.979	0	%100
79	M177	X	-4.889	-4.889	0	%100
80	M177	Z	-8.468	-8.468	0	%100
81	M178	X	-1.197	-1.197	0	%100
82	M178	Z	-2.074	-2.074	0	%100
83	M179	X	-1.202	-1.202	0	%100
84	M179	Z	-2.081	-2.081	0	%100
85	M180	X	-0.009	-0.009	0	%100
86	M180	Z	-0.016	-0.016	0	%100
87	M181	X	-1.202	-1.202	0	%100
88	M181	Z	-2.081	-2.081	0	%100
89	M182	X	-0.009	-0.009	0	%100
90	M182	Z	-0.016	-0.016	0	%100
91	M183	X	-3.692	-3.692	0	%100
92	M183	Z	-6.394	-6.394	0	%100
93	M184	X	-0.723	-0.723	0	%100
94	M184	Z	-1.252	-1.252	0	%100
95	M185	X	-4.273	-4.273	0	%100
96	M185	Z	-7.402	-7.402	0	%100
97	M186	X	-4.273	-4.273	0	%100
98	M186	Z	-7.402	-7.402	0	%100
99	M187	X	-4.273	-4.273	0	%100
100	M187	Z	-7.402	-7.402	0	%100
101	M188	X	-4.273	-4.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
102	M188	Z	-7.402	-7.402	0	%100
103	M189	X	-4.273	-4.273	0	%100
104	M189	Z	-7.402	-7.402	0	%100
105	MP2B	X	-5.433	-5.433	0	%100
106	MP2B	Z	-9.41	-9.41	0	%100
107	MP3B	X	-5.433	-5.433	0	%100
108	MP3B	Z	-9.41	-9.41	0	%100
109	M201	X	-7.769	-7.769	0	%100
110	M201	Z	-1.333	-1.333	0	%100
111	M202	X	-7.769	-7.769	0	%100
112	M202	Z	-1.333	-1.333	0	%100
113	M203	X	-1.305	-1.305	0	%100
114	M203	Z	-2.26	-2.26	0	%100
115	M204	X	-.59	-.59	0	%100
116	M204	Z	-1.021	-1.021	0	%100
117	M205	X	-4.457	-4.457	0	%100
118	M205	Z	-7.72	-7.72	0	%100
119	M208	X	-5.311	-5.311	0	%100
120	M208	Z	-9.199	-9.199	0	%100
121	M209	X	-4.615	-4.615	0	%100
122	M209	Z	-7.994	-7.994	0	%100
123	M210	X	-4.615	-4.615	0	%100
124	M210	Z	-7.994	-7.994	0	%100
125	M211	X	-4.273	-4.273	0	%100
126	M211	Z	-7.402	-7.402	0	%100
127	M212	X	-4.273	-4.273	0	%100
128	M212	Z	-7.402	-7.402	0	%100
129	MP1C	X	-5.433	-5.433	0	%100
130	MP1C	Z	-9.41	-9.41	0	%100
131	M216	X	-1.305	-1.305	0	%100
132	M216	Z	-2.26	-2.26	0	%100
133	M217	X	-.59	-.59	0	%100
134	M217	Z	-1.021	-1.021	0	%100
135	M218	X	-4.457	-4.457	0	%100
136	M218	Z	-7.72	-7.72	0	%100
137	M219	X	-14.267	-14.267	0	%100
138	M219	Z	-24.712	-24.712	0	%100
139	M220	X	-7.757	-7.757	0	%100
140	M220	Z	-1.312	-1.312	0	%100
141	M221	X	-14.267	-14.267	0	%100
142	M221	Z	-24.712	-24.712	0	%100
143	M222	X	-7.757	-7.757	0	%100
144	M222	Z	-1.312	-1.312	0	%100
145	M223	X	-3.692	-3.692	0	%100
146	M223	Z	-6.394	-6.394	0	%100
147	M224	X	-1.094	-1.094	0	%100
148	M224	Z	-1.895	-1.895	0	%100
149	M225	X	-4.273	-4.273	0	%100
150	M225	Z	-7.402	-7.402	0	%100
151	M226	X	-4.273	-4.273	0	%100
152	M226	Z	-7.402	-7.402	0	%100
153	M227	X	-4.273	-4.273	0	%100
154	M227	Z	-7.402	-7.402	0	%100
155	M228	X	-4.273	-4.273	0	%100
156	M228	Z	-7.402	-7.402	0	%100
157	M229	X	-4.273	-4.273	0	%100
158	M229	Z	-7.402	-7.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
159	MP2C	X	-5.433	-5.433	0	%100
160	MP2C	Z	-9.41	-9.41	0	%100
161	MP3C	X	-5.433	-5.433	0	%100
162	MP3C	Z	-9.41	-9.41	0	%100
163	M121	X	-.484	-.484	0	%100
164	M121	Z	-.838	-.838	0	%100
165	M122A	X	-5.163	-5.163	0	%100
166	M122A	Z	-8.943	-8.943	0	%100
167	M123A	X	-2.311	-2.311	0	%100
168	M123A	Z	-4.002	-4.002	0	%100
169	M124A	X	-.484	-.484	0	%100
170	M124A	Z	-.838	-.838	0	%100
171	M125A	X	-5.163	-5.163	0	%100
172	M125A	Z	-8.943	-8.943	0	%100
173	M126A	X	-2.311	-2.311	0	%100
174	M126A	Z	-4.002	-4.002	0	%100
175	OVP1	X	-5.433	-5.433	0	%100
176	OVP1	Z	-9.41	-9.41	0	%100
177	OVP2	X	-5.433	-5.433	0	%100
178	OVP2	Z	-9.41	-9.41	0	%100
179	M133	X	-5.554	-5.554	0	%100
180	M133	Z	-9.619	-9.619	0	%100
181	M137	X	-7.182	-7.182	0	%100
182	M137	Z	-12.439	-12.439	0	%100
183	M141	X	-.866	-.866	0	%100
184	M141	Z	-1.5	-1.5	0	%100
185	M148	X	-3.234	-3.234	0	%100
186	M148	Z	-5.602	-5.602	0	%100
187	M149	X	-5.699	-5.699	0	%100
188	M149	Z	-9.871	-9.871	0	%100
189	M150	X	-.068	-.068	0	%100
190	M150	Z	-.118	-.118	0	%100
191	M151	X	-3.193	-3.193	0	%100
192	M151	Z	-5.531	-5.531	0	%100
193	M152	X	-5.358	-5.358	0	%100
194	M152	Z	-9.281	-9.281	0	%100
195	M153	X	-.486	-.486	0	%100
196	M153	Z	-.841	-.841	0	%100
197	M151A	X	-3.873	-3.873	0	%100
198	M151A	Z	-6.709	-6.709	0	%100
199	M152A	X	-3.803	-3.803	0	%100
200	M152A	Z	-6.586	-6.586	0	%100
201	M153A	X	-1.149	-1.149	0	%100
202	M153A	Z	-1.99	-1.99	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	0	0	0	%100
2	M109	Z	-3.717	-3.717	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	-3.717	-3.717	0	%100
5	M116	X	0	0	0	%100
6	M116	Z	-1.062	-1.062	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	-2.685	-2.685	0	%100
9	M118	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	-1.062	-1.062	0	%100
11	M124	X	0	0	0	%100
12	M124	Z	-3.117	-3.117	0	%100
13	M125	X	0	0	0	%100
14	M125	Z	-.205	-.205	0	%100
15	M126	X	0	0	0	%100
16	M126	Z	-.205	-.205	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	-2.656	-2.656	0	%100
19	M128	X	0	0	0	%100
20	M128	Z	-2.656	-2.656	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-3.356	-3.356	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-1.062	-1.062	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-2.685	-2.685	0	%100
27	M20	X	0	0	0	%100
28	M20	Z	-1.062	-1.062	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	-1.617	-1.617	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-.083	-.083	0	%100
33	M21A	X	0	0	0	%100
34	M21A	Z	-1.617	-1.617	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	-.083	-.083	0	%100
37	M23A	X	0	0	0	%100
38	M23A	Z	-2.566	-2.566	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-1.241	-1.241	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-2.656	-2.656	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-2.656	-2.656	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-2.656	-2.656	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-2.656	-2.656	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-2.656	-2.656	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-3.356	-3.356	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-3.356	-3.356	0	%100
55	M161	X	0	0	0	%100
56	M161	Z	-3.282	-3.282	0	%100
57	M162	X	0	0	0	%100
58	M162	Z	-3.282	-3.282	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	-.289	-.289	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	-2.371	-2.371	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	-1.958	-1.958	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	-3.117	-3.117	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
67	M169	X	0	0	0	%100
68	M169	Z	-1.052	-1.052	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	-1.052	-1.052	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	-2.656	-2.656	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-2.656	-2.656	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-3.356	-3.356	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	-.289	-.289	0	%100
79	M177	X	0	0	0	%100
80	M177	Z	-2.371	-2.371	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	-1.958	-1.958	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	-2.849	-2.849	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	-.424	-.424	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	-2.849	-2.849	0	%100
89	M182	X	0	0	0	%100
90	M182	Z	-.424	-.424	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	-2.566	-2.566	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	-1.437	-1.437	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	-2.656	-2.656	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	-2.656	-2.656	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	-2.656	-2.656	0	%100
101	M188	X	0	0	0	%100
102	M188	Z	-2.656	-2.656	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	-2.656	-2.656	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-3.356	-3.356	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-3.356	-3.356	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	-.112	-.112	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	-.112	-.112	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	-2.015	-2.015	0	%100
115	M204	X	0	0	0	%100
116	M204	Z	-.081	-.081	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	-1.127	-1.127	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	-3.117	-3.117	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	-2.971	-2.971	0	%100
123	M210	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	-2.971	-2.971	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	-2.656	-2.656	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	-2.656	-2.656	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	-3.356	-3.356	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	-2.015	-2.015	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	-.081	-.081	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	-1.127	-1.127	0	%100
137	M219	X	0	0	0	%100
138	M219	Z	-5.861	-5.861	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	-1.197	-1.197	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	-5.861	-5.861	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	-1.197	-1.197	0	%100
145	M223	X	0	0	0	%100
146	M223	Z	-2.566	-2.566	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	-1.879	-1.879	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	-2.656	-2.656	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	-2.656	-2.656	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	-2.656	-2.656	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	-2.656	-2.656	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	-2.656	-2.656	0	%100
159	MP2C	X	0	0	0	%100
160	MP2C	Z	-3.356	-3.356	0	%100
161	MP3C	X	0	0	0	%100
162	MP3C	Z	-3.356	-3.356	0	%100
163	M121	X	0	0	0	%100
164	M121	Z	-.161	-.161	0	%100
165	M122A	X	0	0	0	%100
166	M122A	Z	-1.802	-1.802	0	%100
167	M123A	X	0	0	0	%100
168	M123A	Z	-2.99	-2.99	0	%100
169	M124A	X	0	0	0	%100
170	M124A	Z	-.161	-.161	0	%100
171	M125A	X	0	0	0	%100
172	M125A	Z	-1.802	-1.802	0	%100
173	M126A	X	0	0	0	%100
174	M126A	Z	-2.99	-2.99	0	%100
175	OVP1	X	0	0	0	%100
176	OVP1	Z	-3.356	-3.356	0	%100
177	OVP2	X	0	0	0	%100
178	OVP2	Z	-3.356	-3.356	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	-4.167	-4.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
181	M137	X	0	0	0	%100
182	M137	Z	-3.679	-3.679	0	%100
183	M141	X	0	0	0	%100
184	M141	Z	-.126	-.126	0	%100
185	M148	X	0	0	0	%100
186	M148	Z	-.246	-.246	0	%100
187	M149	X	0	0	0	%100
188	M149	Z	-3.556	-3.556	0	%100
189	M150	X	0	0	0	%100
190	M150	Z	-1.264	-1.264	0	%100
191	M151	X	0	0	0	%100
192	M151	Z	-3.256	-3.256	0	%100
193	M152	X	0	0	0	%100
194	M152	Z	-2.155	-2.155	0	%100
195	M153	X	0	0	0	%100
196	M153	Z	-.16	-.16	0	%100
197	M151A	X	0	0	0	%100
198	M151A	Z	-2.91	-2.91	0	%100
199	M152A	X	0	0	0	%100
200	M152A	Z	-2.936	-2.936	0	%100
201	M153A	X	0	0	0	%100
202	M153A	Z	-.000804	-.000804	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	1.394	1.394	0	%100
2	M109	Z	-2.414	-2.414	0	%100
3	M110	X	1.394	1.394	0	%100
4	M110	Z	-2.414	-2.414	0	%100
5	M116	X	.035	.035	0	%100
6	M116	Z	-.06	-.06	0	%100
7	M117	X	1.007	1.007	0	%100
8	M117	Z	-1.744	-1.744	0	%100
9	M118	X	1.159	1.159	0	%100
10	M118	Z	-2.007	-2.007	0	%100
11	M124	X	1.558	1.558	0	%100
12	M124	Z	-2.699	-2.699	0	%100
13	M125	X	.103	.103	0	%100
14	M125	Z	-.178	-.178	0	%100
15	M126	X	.103	.103	0	%100
16	M126	Z	-.178	-.178	0	%100
17	M127	X	1.328	1.328	0	%100
18	M127	Z	-2.3	-2.3	0	%100
19	M128	X	1.328	1.328	0	%100
20	M128	Z	-2.3	-2.3	0	%100
21	MP1A	X	1.678	1.678	0	%100
22	MP1A	Z	-2.907	-2.907	0	%100
23	M18	X	.035	.035	0	%100
24	M18	Z	-.06	-.06	0	%100
25	M19	X	1.007	1.007	0	%100
26	M19	Z	-1.744	-1.744	0	%100
27	M20	X	1.159	1.159	0	%100
28	M20	Z	-2.007	-2.007	0	%100
29	M21	X	.809	.809	0	%100
30	M21	Z	-1.401	-1.401	0	%100
31	M22	X	.041	.041	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	-.072	-.072	0	%100
33	M21A	X	.809	.809	0	%100
34	M21A	Z	-1.401	-1.401	0	%100
35	M23	X	.041	.041	0	%100
36	M23	Z	-.072	-.072	0	%100
37	M23A	X	1.283	1.283	0	%100
38	M23A	Z	-2.223	-2.223	0	%100
39	M24	X	.621	.621	0	%100
40	M24	Z	-1.075	-1.075	0	%100
41	M25	X	1.328	1.328	0	%100
42	M25	Z	-2.3	-2.3	0	%100
43	M26	X	1.328	1.328	0	%100
44	M26	Z	-2.3	-2.3	0	%100
45	M27	X	1.328	1.328	0	%100
46	M27	Z	-2.3	-2.3	0	%100
47	M28	X	1.328	1.328	0	%100
48	M28	Z	-2.3	-2.3	0	%100
49	M29	X	1.328	1.328	0	%100
50	M29	Z	-2.3	-2.3	0	%100
51	MP2A	X	1.678	1.678	0	%100
52	MP2A	Z	-2.907	-2.907	0	%100
53	MP3A	X	1.678	1.678	0	%100
54	MP3A	Z	-2.907	-2.907	0	%100
55	M161	X	.768	.768	0	%100
56	M161	Z	-1.33	-1.33	0	%100
57	M162	X	.768	.768	0	%100
58	M162	Z	-1.33	-1.33	0	%100
59	M163	X	.046	.046	0	%100
60	M163	Z	-.079	-.079	0	%100
61	M164	X	.555	.555	0	%100
62	M164	Z	-.961	-.961	0	%100
63	M165	X	1.324	1.324	0	%100
64	M165	Z	-2.294	-2.294	0	%100
65	M168	X	1.558	1.558	0	%100
66	M168	Z	-2.699	-2.699	0	%100
67	M169	X	1.276	1.276	0	%100
68	M169	Z	-2.21	-2.21	0	%100
69	M170	X	1.276	1.276	0	%100
70	M170	Z	-2.21	-2.21	0	%100
71	M171	X	1.328	1.328	0	%100
72	M171	Z	-2.3	-2.3	0	%100
73	M172	X	1.328	1.328	0	%100
74	M172	Z	-2.3	-2.3	0	%100
75	MP1B	X	1.678	1.678	0	%100
76	MP1B	Z	-2.907	-2.907	0	%100
77	M176	X	.046	.046	0	%100
78	M176	Z	-.079	-.079	0	%100
79	M177	X	.555	.555	0	%100
80	M177	Z	-.961	-.961	0	%100
81	M178	X	1.324	1.324	0	%100
82	M178	Z	-2.294	-2.294	0	%100
83	M179	X	2.582	2.582	0	%100
84	M179	Z	-4.472	-4.472	0	%100
85	M180	X	.514	.514	0	%100
86	M180	Z	-.89	-.89	0	%100
87	M181	X	2.582	2.582	0	%100
88	M181	Z	-4.472	-4.472	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	.514	.514	0	%100
90	M182	Z	-.89	-.89	0	%100
91	M183	X	1.283	1.283	0	%100
92	M183	Z	-2.223	-2.223	0	%100
93	M184	X	.891	.891	0	%100
94	M184	Z	-1.544	-1.544	0	%100
95	M185	X	1.328	1.328	0	%100
96	M185	Z	-2.3	-2.3	0	%100
97	M186	X	1.328	1.328	0	%100
98	M186	Z	-2.3	-2.3	0	%100
99	M187	X	1.328	1.328	0	%100
100	M187	Z	-2.3	-2.3	0	%100
101	M188	X	1.328	1.328	0	%100
102	M188	Z	-2.3	-2.3	0	%100
103	M189	X	1.328	1.328	0	%100
104	M189	Z	-2.3	-2.3	0	%100
105	MP2B	X	1.678	1.678	0	%100
106	MP2B	Z	-2.907	-2.907	0	%100
107	MP3B	X	1.678	1.678	0	%100
108	MP3B	Z	-2.907	-2.907	0	%100
109	M201	X	.768	.768	0	%100
110	M201	Z	-1.33	-1.33	0	%100
111	M202	X	.768	.768	0	%100
112	M202	Z	-1.33	-1.33	0	%100
113	M203	X	1.324	1.324	0	%100
114	M203	Z	-2.294	-2.294	0	%100
115	M204	X	.555	.555	0	%100
116	M204	Z	-.961	-.961	0	%100
117	M205	X	.046	.046	0	%100
118	M205	Z	-.079	-.079	0	%100
119	M208	X	1.558	1.558	0	%100
120	M208	Z	-2.699	-2.699	0	%100
121	M209	X	.899	.899	0	%100
122	M209	Z	-1.557	-1.557	0	%100
123	M210	X	.899	.899	0	%100
124	M210	Z	-1.557	-1.557	0	%100
125	M211	X	1.328	1.328	0	%100
126	M211	Z	-2.3	-2.3	0	%100
127	M212	X	1.328	1.328	0	%100
128	M212	Z	-2.3	-2.3	0	%100
129	MP1C	X	1.678	1.678	0	%100
130	MP1C	Z	-2.907	-2.907	0	%100
131	M216	X	1.324	1.324	0	%100
132	M216	Z	-2.294	-2.294	0	%100
133	M217	X	.555	.555	0	%100
134	M217	Z	-.961	-.961	0	%100
135	M218	X	.046	.046	0	%100
136	M218	Z	-.079	-.079	0	%100
137	M219	X	2.03	2.03	0	%100
138	M219	Z	-3.517	-3.517	0	%100
139	M220	X	.362	.362	0	%100
140	M220	Z	-.627	-.627	0	%100
141	M221	X	2.03	2.03	0	%100
142	M221	Z	-3.517	-3.517	0	%100
143	M222	X	.362	.362	0	%100
144	M222	Z	-.627	-.627	0	%100
145	M223	X	1.283	1.283	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	-2.223	-2.223	0	%100
147	M224	X	.804	.804	0	%100
148	M224	Z	-1.393	-1.393	0	%100
149	M225	X	1.328	1.328	0	%100
150	M225	Z	-2.3	-2.3	0	%100
151	M226	X	1.328	1.328	0	%100
152	M226	Z	-2.3	-2.3	0	%100
153	M227	X	1.328	1.328	0	%100
154	M227	Z	-2.3	-2.3	0	%100
155	M228	X	1.328	1.328	0	%100
156	M228	Z	-2.3	-2.3	0	%100
157	M229	X	1.328	1.328	0	%100
158	M229	Z	-2.3	-2.3	0	%100
159	MP2C	X	1.678	1.678	0	%100
160	MP2C	Z	-2.907	-2.907	0	%100
161	MP3C	X	1.678	1.678	0	%100
162	MP3C	Z	-2.907	-2.907	0	%100
163	M121	X	.77	.77	0	%100
164	M121	Z	-1.334	-1.334	0	%100
165	M122A	X	.145	.145	0	%100
166	M122A	Z	-.252	-.252	0	%100
167	M123A	X	1.62	1.62	0	%100
168	M123A	Z	-2.806	-2.806	0	%100
169	M124A	X	.77	.77	0	%100
170	M124A	Z	-1.334	-1.334	0	%100
171	M125A	X	.145	.145	0	%100
172	M125A	Z	-.252	-.252	0	%100
173	M126A	X	1.62	1.62	0	%100
174	M126A	Z	-2.806	-2.806	0	%100
175	OVP1	X	1.678	1.678	0	%100
176	OVP1	Z	-2.907	-2.907	0	%100
177	OVP2	X	1.678	1.678	0	%100
178	OVP2	Z	-2.907	-2.907	0	%100
179	M133	X	1.563	1.563	0	%100
180	M133	Z	-2.706	-2.706	0	%100
181	M137	X	.861	.861	0	%100
182	M137	Z	-1.491	-1.491	0	%100
183	M141	X	.861	.861	0	%100
184	M141	Z	-1.491	-1.491	0	%100
185	M148	X	.123	.123	0	%100
186	M148	Z	-.213	-.213	0	%100
187	M149	X	1.076	1.076	0	%100
188	M149	Z	-1.863	-1.863	0	%100
189	M150	X	1.532	1.532	0	%100
190	M150	Z	-2.653	-2.653	0	%100
191	M151	X	1.481	1.481	0	%100
192	M151	Z	-2.565	-2.565	0	%100
193	M152	X	.262	.262	0	%100
194	M152	Z	-.453	-.453	0	%100
195	M153	X	.769	.769	0	%100
196	M153	Z	-1.332	-1.332	0	%100
197	M151A	X	.865	.865	0	%100
198	M151A	Z	-1.499	-1.499	0	%100
199	M152A	X	.903	.903	0	%100
200	M152A	Z	-1.564	-1.564	0	%100
201	M153A	X	.356	.356	0	%100
202	M153A	Z	-.616	-.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	.805	.805	0	%100
2	M109	Z	-.465	-.465	0	%100
3	M110	X	.805	.805	0	%100
4	M110	Z	-.465	-.465	0	%100
5	M116	X	.287	.287	0	%100
6	M116	Z	-.166	-.166	0	%100
7	M117	X	.581	.581	0	%100
8	M117	Z	-.336	-.336	0	%100
9	M118	X	2.234	2.234	0	%100
10	M118	Z	-1.29	-1.29	0	%100
11	M124	X	2.699	2.699	0	%100
12	M124	Z	-1.558	-1.558	0	%100
13	M125	X	1.326	1.326	0	%100
14	M125	Z	-.766	-.766	0	%100
15	M126	X	1.326	1.326	0	%100
16	M126	Z	-.766	-.766	0	%100
17	M127	X	2.3	2.3	0	%100
18	M127	Z	-1.328	-1.328	0	%100
19	M128	X	2.3	2.3	0	%100
20	M128	Z	-1.328	-1.328	0	%100
21	MP1A	X	2.907	2.907	0	%100
22	MP1A	Z	-1.678	-1.678	0	%100
23	M18	X	.287	.287	0	%100
24	M18	Z	-.166	-.166	0	%100
25	M19	X	.581	.581	0	%100
26	M19	Z	-.336	-.336	0	%100
27	M20	X	2.234	2.234	0	%100
28	M20	Z	-1.29	-1.29	0	%100
29	M21	X	3.163	3.163	0	%100
30	M21	Z	-1.826	-1.826	0	%100
31	M22	X	.534	.534	0	%100
32	M22	Z	-.308	-.308	0	%100
33	M21A	X	3.163	3.163	0	%100
34	M21A	Z	-1.826	-1.826	0	%100
35	M23	X	.534	.534	0	%100
36	M23	Z	-.308	-.308	0	%100
37	M23A	X	2.223	2.223	0	%100
38	M23A	Z	-1.283	-1.283	0	%100
39	M24	X	1.34	1.34	0	%100
40	M24	Z	-.774	-.774	0	%100
41	M25	X	2.3	2.3	0	%100
42	M25	Z	-1.328	-1.328	0	%100
43	M26	X	2.3	2.3	0	%100
44	M26	Z	-1.328	-1.328	0	%100
45	M27	X	2.3	2.3	0	%100
46	M27	Z	-1.328	-1.328	0	%100
47	M28	X	2.3	2.3	0	%100
48	M28	Z	-1.328	-1.328	0	%100
49	M29	X	2.3	2.3	0	%100
50	M29	Z	-1.328	-1.328	0	%100
51	MP2A	X	2.907	2.907	0	%100
52	MP2A	Z	-1.678	-1.678	0	%100
53	MP3A	X	2.907	2.907	0	%100
54	MP3A	Z	-1.678	-1.678	0	%100
55	M161	X	.097	.097	0	%100
56	M161	Z	-.056	-.056	0	%100
57	M162	X	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
58	M162	Z	-.056	-.056	0	%100
59	M163	X	.976	.976	0	%100
60	M163	Z	-.563	-.563	0	%100
61	M164	X	.07	.07	0	%100
62	M164	Z	-.04	-.04	0	%100
63	M165	X	1.745	1.745	0	%100
64	M165	Z	-1.007	-1.007	0	%100
65	M168	X	2.699	2.699	0	%100
66	M168	Z	-1.558	-1.558	0	%100
67	M169	X	2.625	2.625	0	%100
68	M169	Z	-1.516	-1.516	0	%100
69	M170	X	2.625	2.625	0	%100
70	M170	Z	-1.516	-1.516	0	%100
71	M171	X	2.3	2.3	0	%100
72	M171	Z	-1.328	-1.328	0	%100
73	M172	X	2.3	2.3	0	%100
74	M172	Z	-1.328	-1.328	0	%100
75	MP1B	X	2.907	2.907	0	%100
76	MP1B	Z	-1.678	-1.678	0	%100
77	M176	X	.976	.976	0	%100
78	M176	Z	-.563	-.563	0	%100
79	M177	X	.07	.07	0	%100
80	M177	Z	-.04	-.04	0	%100
81	M178	X	1.745	1.745	0	%100
82	M178	Z	-1.007	-1.007	0	%100
83	M179	X	5.168	5.168	0	%100
84	M179	Z	-2.984	-2.984	0	%100
85	M180	X	1.057	1.057	0	%100
86	M180	Z	-.61	-.61	0	%100
87	M181	X	5.168	5.168	0	%100
88	M181	Z	-2.984	-2.984	0	%100
89	M182	X	1.057	1.057	0	%100
90	M182	Z	-.61	-.61	0	%100
91	M183	X	2.223	2.223	0	%100
92	M183	Z	-1.283	-1.283	0	%100
93	M184	X	1.639	1.639	0	%100
94	M184	Z	-.946	-.946	0	%100
95	M185	X	2.3	2.3	0	%100
96	M185	Z	-1.328	-1.328	0	%100
97	M186	X	2.3	2.3	0	%100
98	M186	Z	-1.328	-1.328	0	%100
99	M187	X	2.3	2.3	0	%100
100	M187	Z	-1.328	-1.328	0	%100
101	M188	X	2.3	2.3	0	%100
102	M188	Z	-1.328	-1.328	0	%100
103	M189	X	2.3	2.3	0	%100
104	M189	Z	-1.328	-1.328	0	%100
105	MP2B	X	2.907	2.907	0	%100
106	MP2B	Z	-1.678	-1.678	0	%100
107	MP3B	X	2.907	2.907	0	%100
108	MP3B	Z	-1.678	-1.678	0	%100
109	M201	X	2.842	2.842	0	%100
110	M201	Z	-1.641	-1.641	0	%100
111	M202	X	2.842	2.842	0	%100
112	M202	Z	-1.641	-1.641	0	%100
113	M203	X	1.696	1.696	0	%100
114	M203	Z	-.979	-.979	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
115	M204	X	2.053	2.053	0	%100
116	M204	Z	-1.185	-1.185	0	%100
117	M205	X	.25	.25	0	%100
118	M205	Z	-.145	-.145	0	%100
119	M208	X	2.699	2.699	0	%100
120	M208	Z	-1.558	-1.558	0	%100
121	M209	X	.31	.31	0	%100
122	M209	Z	-.179	-.179	0	%100
123	M210	X	.31	.31	0	%100
124	M210	Z	-.179	-.179	0	%100
125	M211	X	2.3	2.3	0	%100
126	M211	Z	-1.328	-1.328	0	%100
127	M212	X	2.3	2.3	0	%100
128	M212	Z	-1.328	-1.328	0	%100
129	MP1C	X	2.907	2.907	0	%100
130	MP1C	Z	-1.678	-1.678	0	%100
131	M216	X	1.696	1.696	0	%100
132	M216	Z	-.979	-.979	0	%100
133	M217	X	2.053	2.053	0	%100
134	M217	Z	-1.185	-1.185	0	%100
135	M218	X	.25	.25	0	%100
136	M218	Z	-.145	-.145	0	%100
137	M219	X	1.604	1.604	0	%100
138	M219	Z	-.926	-.926	0	%100
139	M220	X	.125	.125	0	%100
140	M220	Z	-.072	-.072	0	%100
141	M221	X	1.604	1.604	0	%100
142	M221	Z	-.926	-.926	0	%100
143	M222	X	.125	.125	0	%100
144	M222	Z	-.072	-.072	0	%100
145	M223	X	2.223	2.223	0	%100
146	M223	Z	-1.283	-1.283	0	%100
147	M224	X	1.105	1.105	0	%100
148	M224	Z	-.638	-.638	0	%100
149	M225	X	2.3	2.3	0	%100
150	M225	Z	-1.328	-1.328	0	%100
151	M226	X	2.3	2.3	0	%100
152	M226	Z	-1.328	-1.328	0	%100
153	M227	X	2.3	2.3	0	%100
154	M227	Z	-1.328	-1.328	0	%100
155	M228	X	2.3	2.3	0	%100
156	M228	Z	-1.328	-1.328	0	%100
157	M229	X	2.3	2.3	0	%100
158	M229	Z	-1.328	-1.328	0	%100
159	MP2C	X	2.907	2.907	0	%100
160	MP2C	Z	-1.678	-1.678	0	%100
161	MP3C	X	2.907	2.907	0	%100
162	MP3C	Z	-1.678	-1.678	0	%100
163	M121	X	2.648	2.648	0	%100
164	M121	Z	-1.529	-1.529	0	%100
165	M122A	X	.144	.144	0	%100
166	M122A	Z	-.083	-.083	0	%100
167	M123A	X	1.671	1.671	0	%100
168	M123A	Z	-.964	-.964	0	%100
169	M124A	X	2.648	2.648	0	%100
170	M124A	Z	-1.529	-1.529	0	%100
171	M125A	X	.144	.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
172	M125A	Z	-.083	-.083	0 %100
173	M126A	X	1.671	1.671	0 %100
174	M126A	Z	-.964	-.964	0 %100
175	OVP1	X	2.907	2.907	0 %100
176	OVP1	Z	-1.678	-1.678	0 %100
177	OVP2	X	2.907	2.907	0 %100
178	OVP2	Z	-1.678	-1.678	0 %100
179	M133	X	.902	.902	0 %100
180	M133	Z	-.521	-.521	0 %100
181	M137	X	.109	.109	0 %100
182	M137	Z	-.063	-.063	0 %100
183	M141	X	3.186	3.186	0 %100
184	M141	Z	-1.84	-1.84	0 %100
185	M148	X	1.592	1.592	0 %100
186	M148	Z	-.919	-.919	0 %100
187	M149	X	.371	.371	0 %100
188	M149	Z	-.214	-.214	0 %100
189	M150	X	3.151	3.151	0 %100
190	M150	Z	-1.819	-1.819	0 %100
191	M151	X	1.198	1.198	0 %100
192	M151	Z	-.692	-.692	0 %100
193	M152	X	.04	.04	0 %100
194	M152	Z	-.023	-.023	0 %100
195	M153	X	2.647	2.647	0 %100
196	M153	Z	-1.528	-1.528	0 %100
197	M151A	X	.284	.284	0 %100
198	M151A	Z	-.164	-.164	0 %100
199	M152A	X	.327	.327	0 %100
200	M152A	Z	-.189	-.189	0 %100
201	M153A	X	1.92	1.92	0 %100
202	M153A	Z	-1.109	-1.109	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	0	0	0 %100
2	M109	Z	0	0	0 %100
3	M110	X	0	0	0 %100
4	M110	Z	0	0	0 %100
5	M116	X	1.587	1.587	0 %100
6	M116	Z	0	0	0 %100
7	M117	X	0	0	0 %100
8	M117	Z	0	0	0 %100
9	M118	X	1.587	1.587	0 %100
10	M118	Z	0	0	0 %100
11	M124	X	3.117	3.117	0 %100
12	M124	Z	0	0	0 %100
13	M125	X	2.858	2.858	0 %100
14	M125	Z	0	0	0 %100
15	M126	X	2.858	2.858	0 %100
16	M126	Z	0	0	0 %100
17	M127	X	2.656	2.656	0 %100
18	M127	Z	0	0	0 %100
19	M128	X	2.656	2.656	0 %100
20	M128	Z	0	0	0 %100
21	MP1A	X	3.356	3.356	0 %100
22	MP1A	Z	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
23	M18	X	1.587	1.587	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20	X	1.587	1.587	0	%100
28	M20	Z	0	0	0	%100
29	M21	X	5.688	5.688	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	1.151	1.151	0	%100
32	M22	Z	0	0	0	%100
33	M21A	X	5.688	5.688	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	1.151	1.151	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	2.566	2.566	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	1.853	1.853	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	2.656	2.656	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	2.656	2.656	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	2.656	2.656	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	2.656	2.656	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	2.656	2.656	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	3.356	3.356	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	3.356	3.356	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	.435	.435	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	.435	.435	0	%100
58	M162	Z	0	0	0	%100
59	M163	X	2.36	2.36	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	.314	.314	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	.691	.691	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	3.117	3.117	0	%100
66	M168	Z	0	0	0	%100
67	M169	X	2.011	2.011	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	2.011	2.011	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	2.656	2.656	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	2.656	2.656	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	3.356	3.356	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	2.36	2.36	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	.314	.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
80	M177	Z	0	0	0	%100
81	M178	X	.691	.691	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	4.457	4.457	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	.81	.81	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	4.457	4.457	0	%100
88	M181	Z	0	0	0	%100
89	M182	X	.81	.81	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	2.566	2.566	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	1.658	1.658	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	2.656	2.656	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	2.656	2.656	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	2.656	2.656	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	2.656	2.656	0	%100
102	M188	Z	0	0	0	%100
103	M189	X	2.656	2.656	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	3.356	3.356	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	3.356	3.356	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	3.605	3.605	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	3.605	3.605	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	.634	.634	0	%100
114	M203	Z	0	0	0	%100
115	M204	X	2.604	2.604	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	1.522	1.522	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	3.117	3.117	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	.092	.092	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	.092	.092	0	%100
124	M210	Z	0	0	0	%100
125	M211	X	2.656	2.656	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	2.656	2.656	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	3.356	3.356	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	.634	.634	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	2.604	2.604	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	1.522	1.522	0	%100
136	M218	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	1.444	1.444	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	.037	.037	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	1.444	1.444	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	.037	.037	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	2.566	2.566	0	%100
146	M223	Z	0	0	0	%100
147	M224	X	1.215	1.215	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	2.656	2.656	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	2.656	2.656	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	2.656	2.656	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	2.656	2.656	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	2.656	2.656	0	%100
158	M229	Z	0	0	0	%100
159	MP2C	X	3.356	3.356	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	3.356	3.356	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	3.196	3.196	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	1.554	1.554	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	.367	.367	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	3.196	3.196	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	1.554	1.554	0	%100
172	M125A	Z	0	0	0	%100
173	M126A	X	.367	.367	0	%100
174	M126A	Z	0	0	0	%100
175	OVP1	X	3.356	3.356	0	%100
176	OVP1	Z	0	0	0	%100
177	OVP2	X	3.356	3.356	0	%100
178	OVP2	Z	0	0	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	0	0	0	%100
181	M137	X	.487	.487	0	%100
182	M137	Z	0	0	0	%100
183	M141	X	4.041	4.041	0	%100
184	M141	Z	0	0	0	%100
185	M148	X	3.43	3.43	0	%100
186	M148	Z	0	0	0	%100
187	M149	X	.111	.111	0	%100
188	M149	Z	0	0	0	%100
189	M150	X	2.414	2.414	0	%100
190	M150	Z	0	0	0	%100
191	M151	X	.1	.1	0	%100
192	M151	Z	0	0	0	%100
193	M152	X	1.201	1.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	0	0	0	%100
195	M153	X	3.197	3.197	0	%100
196	M153	Z	0	0	0	%100
197	M151A	X	.105	.105	0	%100
198	M151A	Z	0	0	0	%100
199	M152A	X	.078	.078	0	%100
200	M152A	Z	0	0	0	%100
201	M153A	X	3.013	3.013	0	%100
202	M153A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	.805	.805	0	%100
2	M109	Z	.465	.465	0	%100
3	M110	X	.805	.805	0	%100
4	M110	Z	.465	.465	0	%100
5	M116	X	2.234	2.234	0	%100
6	M116	Z	1.29	1.29	0	%100
7	M117	X	.581	.581	0	%100
8	M117	Z	.336	.336	0	%100
9	M118	X	.287	.287	0	%100
10	M118	Z	.166	.166	0	%100
11	M124	X	2.699	2.699	0	%100
12	M124	Z	1.558	1.558	0	%100
13	M125	X	2.475	2.475	0	%100
14	M125	Z	1.429	1.429	0	%100
15	M126	X	2.475	2.475	0	%100
16	M126	Z	1.429	1.429	0	%100
17	M127	X	2.3	2.3	0	%100
18	M127	Z	1.328	1.328	0	%100
19	M128	X	2.3	2.3	0	%100
20	M128	Z	1.328	1.328	0	%100
21	MP1A	X	2.907	2.907	0	%100
22	MP1A	Z	1.678	1.678	0	%100
23	M18	X	2.234	2.234	0	%100
24	M18	Z	1.29	1.29	0	%100
25	M19	X	.581	.581	0	%100
26	M19	Z	.336	.336	0	%100
27	M20	X	.287	.287	0	%100
28	M20	Z	.166	.166	0	%100
29	M21	X	4.926	4.926	0	%100
30	M21	Z	2.844	2.844	0	%100
31	M22	X	.997	.997	0	%100
32	M22	Z	.576	.576	0	%100
33	M21A	X	4.926	4.926	0	%100
34	M21A	Z	2.844	2.844	0	%100
35	M23	X	.997	.997	0	%100
36	M23	Z	.576	.576	0	%100
37	M23A	X	2.223	2.223	0	%100
38	M23A	Z	1.283	1.283	0	%100
39	M24	X	1.605	1.605	0	%100
40	M24	Z	.926	.926	0	%100
41	M25	X	2.3	2.3	0	%100
42	M25	Z	1.328	1.328	0	%100
43	M26	X	2.3	2.3	0	%100
44	M26	Z	1.328	1.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
45	M27	X	2.3	2.3	0	%100
46	M27	Z	1.328	1.328	0	%100
47	M28	X	2.3	2.3	0	%100
48	M28	Z	1.328	1.328	0	%100
49	M29	X	2.3	2.3	0	%100
50	M29	Z	1.328	1.328	0	%100
51	MP2A	X	2.907	2.907	0	%100
52	MP2A	Z	1.678	1.678	0	%100
53	MP3A	X	2.907	2.907	0	%100
54	MP3A	Z	1.678	1.678	0	%100
55	M161	X	1.889	1.889	0	%100
56	M161	Z	1.09	1.09	0	%100
57	M162	X	1.889	1.889	0	%100
58	M162	Z	1.09	1.09	0	%100
59	M163	X	2.215	2.215	0	%100
60	M163	Z	1.279	1.279	0	%100
61	M164	X	1.364	1.364	0	%100
62	M164	Z	.788	.788	0	%100
63	M165	X	.000353	.000353	0	%100
64	M165	Z	.000204	.000204	0	%100
65	M168	X	2.699	2.699	0	%100
66	M168	Z	1.558	1.558	0	%100
67	M169	X	.443	.443	0	%100
68	M169	Z	.256	.256	0	%100
69	M170	X	.443	.443	0	%100
70	M170	Z	.256	.256	0	%100
71	M171	X	2.3	2.3	0	%100
72	M171	Z	1.328	1.328	0	%100
73	M172	X	2.3	2.3	0	%100
74	M172	Z	1.328	1.328	0	%100
75	MP1B	X	2.907	2.907	0	%100
76	MP1B	Z	1.678	1.678	0	%100
77	M176	X	2.215	2.215	0	%100
78	M176	Z	1.279	1.279	0	%100
79	M177	X	1.364	1.364	0	%100
80	M177	Z	.788	.788	0	%100
81	M178	X	.000353	.000353	0	%100
82	M178	Z	.000204	.000204	0	%100
83	M179	X	1.855	1.855	0	%100
84	M179	Z	1.071	1.071	0	%100
85	M180	X	.178	.178	0	%100
86	M180	Z	.103	.103	0	%100
87	M181	X	1.855	1.855	0	%100
88	M181	Z	1.071	1.071	0	%100
89	M182	X	.178	.178	0	%100
90	M182	Z	.103	.103	0	%100
91	M183	X	2.223	2.223	0	%100
92	M183	Z	1.283	1.283	0	%100
93	M184	X	1.136	1.136	0	%100
94	M184	Z	.656	.656	0	%100
95	M185	X	2.3	2.3	0	%100
96	M185	Z	1.328	1.328	0	%100
97	M186	X	2.3	2.3	0	%100
98	M186	Z	1.328	1.328	0	%100
99	M187	X	2.3	2.3	0	%100
100	M187	Z	1.328	1.328	0	%100
101	M188	X	2.3	2.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
102	M188	Z	1.328	1.328	0	%100
103	M189	X	2.3	2.3	0	%100
104	M189	Z	1.328	1.328	0	%100
105	MP2B	X	2.907	2.907	0	%100
106	MP2B	Z	1.678	1.678	0	%100
107	MP3B	X	2.907	2.907	0	%100
108	MP3B	Z	1.678	1.678	0	%100
109	M201	X	1.889	1.889	0	%100
110	M201	Z	1.09	1.09	0	%100
111	M202	X	1.889	1.889	0	%100
112	M202	Z	1.09	1.09	0	%100
113	M203	X	.000353	.000353	0	%100
114	M203	Z	.000204	.000204	0	%100
115	M204	X	1.364	1.364	0	%100
116	M204	Z	.788	.788	0	%100
117	M205	X	2.215	2.215	0	%100
118	M205	Z	1.279	1.279	0	%100
119	M208	X	2.699	2.699	0	%100
120	M208	Z	1.558	1.558	0	%100
121	M209	X	1.096	1.096	0	%100
122	M209	Z	.633	.633	0	%100
123	M210	X	1.096	1.096	0	%100
124	M210	Z	.633	.633	0	%100
125	M211	X	2.3	2.3	0	%100
126	M211	Z	1.328	1.328	0	%100
127	M212	X	2.3	2.3	0	%100
128	M212	Z	1.328	1.328	0	%100
129	MP1C	X	2.907	2.907	0	%100
130	MP1C	Z	1.678	1.678	0	%100
131	M216	X	.000353	.000353	0	%100
132	M216	Z	.000204	.000204	0	%100
133	M217	X	1.364	1.364	0	%100
134	M217	Z	.788	.788	0	%100
135	M218	X	2.215	2.215	0	%100
136	M218	Z	1.279	1.279	0	%100
137	M219	X	2.81	2.81	0	%100
138	M219	Z	1.622	1.622	0	%100
139	M220	X	.441	.441	0	%100
140	M220	Z	.255	.255	0	%100
141	M221	X	2.81	2.81	0	%100
142	M221	Z	1.622	1.622	0	%100
143	M222	X	.441	.441	0	%100
144	M222	Z	.255	.255	0	%100
145	M223	X	2.223	2.223	0	%100
146	M223	Z	1.283	1.283	0	%100
147	M224	X	1.287	1.287	0	%100
148	M224	Z	.743	.743	0	%100
149	M225	X	2.3	2.3	0	%100
150	M225	Z	1.328	1.328	0	%100
151	M226	X	2.3	2.3	0	%100
152	M226	Z	1.328	1.328	0	%100
153	M227	X	2.3	2.3	0	%100
154	M227	Z	1.328	1.328	0	%100
155	M228	X	2.3	2.3	0	%100
156	M228	Z	1.328	1.328	0	%100
157	M229	X	2.3	2.3	0	%100
158	M229	Z	1.328	1.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
159	MP2C	X	2.907	2.907	0 %100
160	MP2C	Z	1.678	1.678	0 %100
161	MP3C	X	2.907	2.907	0 %100
162	MP3C	Z	1.678	1.678	0 %100
163	M121	X	1.573	1.573	0 %100
164	M121	Z	.908	.908	0 %100
165	M122A	X	2.655	2.655	0 %100
166	M122A	Z	1.533	1.533	0 %100
167	M123A	X	.1	.1	0 %100
168	M123A	Z	.058	.058	0 %100
169	M124A	X	1.573	1.573	0 %100
170	M124A	Z	.908	.908	0 %100
171	M125A	X	2.655	2.655	0 %100
172	M125A	Z	1.533	1.533	0 %100
173	M126A	X	.1	.1	0 %100
174	M126A	Z	.058	.058	0 %100
175	OVP1	X	2.907	2.907	0 %100
176	OVP1	Z	1.678	1.678	0 %100
177	OVP2	X	2.907	2.907	0 %100
178	OVP2	Z	1.678	1.678	0 %100
179	M133	X	.902	.902	0 %100
180	M133	Z	.521	.521	0 %100
181	M137	X	2.118	2.118	0 %100
182	M137	Z	1.223	1.223	0 %100
183	M141	X	2.118	2.118	0 %100
184	M141	Z	1.223	1.223	0 %100
185	M148	X	2.97	2.97	0 %100
186	M148	Z	1.715	1.715	0 %100
187	M149	X	1.312	1.312	0 %100
188	M149	Z	.757	.757	0 %100
189	M150	X	.532	.532	0 %100
190	M150	Z	.307	.307	0 %100
191	M151	X	.342	.342	0 %100
192	M151	Z	.197	.197	0 %100
193	M152	X	2.453	2.453	0 %100
194	M152	Z	1.416	1.416	0 %100
195	M153	X	1.575	1.575	0 %100
196	M153	Z	.909	.909	0 %100
197	M151A	X	1.111	1.111	0 %100
198	M151A	Z	.642	.642	0 %100
199	M152A	X	1.046	1.046	0 %100
200	M152A	Z	.604	.604	0 %100
201	M153A	X	1.994	1.994	0 %100
202	M153A	Z	1.151	1.151	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	1.394	1.394	0 %100
2	M109	Z	2.414	2.414	0 %100
3	M110	X	1.394	1.394	0 %100
4	M110	Z	2.414	2.414	0 %100
5	M116	X	1.159	1.159	0 %100
6	M116	Z	2.007	2.007	0 %100
7	M117	X	1.007	1.007	0 %100
8	M117	Z	1.744	1.744	0 %100
9	M118	X	.035	.035	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	.06	.06	0	%100
11	M124	X	1.558	1.558	0	%100
12	M124	Z	2.699	2.699	0	%100
13	M125	X	.766	.766	0	%100
14	M125	Z	1.326	1.326	0	%100
15	M126	X	.766	.766	0	%100
16	M126	Z	1.326	1.326	0	%100
17	M127	X	1.328	1.328	0	%100
18	M127	Z	2.3	2.3	0	%100
19	M128	X	1.328	1.328	0	%100
20	M128	Z	2.3	2.3	0	%100
21	MP1A	X	1.678	1.678	0	%100
22	MP1A	Z	2.907	2.907	0	%100
23	M18	X	1.159	1.159	0	%100
24	M18	Z	2.007	2.007	0	%100
25	M19	X	1.007	1.007	0	%100
26	M19	Z	1.744	1.744	0	%100
27	M20	X	.035	.035	0	%100
28	M20	Z	.06	.06	0	%100
29	M21	X	1.826	1.826	0	%100
30	M21	Z	3.163	3.163	0	%100
31	M22	X	.308	.308	0	%100
32	M22	Z	.534	.534	0	%100
33	M21A	X	1.826	1.826	0	%100
34	M21A	Z	3.163	3.163	0	%100
35	M23	X	.308	.308	0	%100
36	M23	Z	.534	.534	0	%100
37	M23A	X	1.283	1.283	0	%100
38	M23A	Z	2.223	2.223	0	%100
39	M24	X	.774	.774	0	%100
40	M24	Z	1.34	1.34	0	%100
41	M25	X	1.328	1.328	0	%100
42	M25	Z	2.3	2.3	0	%100
43	M26	X	1.328	1.328	0	%100
44	M26	Z	2.3	2.3	0	%100
45	M27	X	1.328	1.328	0	%100
46	M27	Z	2.3	2.3	0	%100
47	M28	X	1.328	1.328	0	%100
48	M28	Z	2.3	2.3	0	%100
49	M29	X	1.328	1.328	0	%100
50	M29	Z	2.3	2.3	0	%100
51	MP2A	X	1.678	1.678	0	%100
52	MP2A	Z	2.907	2.907	0	%100
53	MP3A	X	1.678	1.678	0	%100
54	MP3A	Z	2.907	2.907	0	%100
55	M161	X	1.802	1.802	0	%100
56	M161	Z	3.122	3.122	0	%100
57	M162	X	1.802	1.802	0	%100
58	M162	Z	3.122	3.122	0	%100
59	M163	X	.761	.761	0	%100
60	M163	Z	1.318	1.318	0	%100
61	M164	X	1.302	1.302	0	%100
62	M164	Z	2.255	2.255	0	%100
63	M165	X	.317	.317	0	%100
64	M165	Z	.549	.549	0	%100
65	M168	X	1.558	1.558	0	%100
66	M168	Z	2.699	2.699	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
67	M169	X	.016	.016	0	%100
68	M169	Z	.028	.028	0	%100
69	M170	X	.016	.016	0	%100
70	M170	Z	.028	.028	0	%100
71	M171	X	1.328	1.328	0	%100
72	M171	Z	2.3	2.3	0	%100
73	M172	X	1.328	1.328	0	%100
74	M172	Z	2.3	2.3	0	%100
75	MP1B	X	1.678	1.678	0	%100
76	MP1B	Z	2.907	2.907	0	%100
77	M176	X	.761	.761	0	%100
78	M176	Z	1.318	1.318	0	%100
79	M177	X	1.302	1.302	0	%100
80	M177	Z	2.255	2.255	0	%100
81	M178	X	.317	.317	0	%100
82	M178	Z	.549	.549	0	%100
83	M179	X	.669	.669	0	%100
84	M179	Z	1.159	1.159	0	%100
85	M180	X	.006	.006	0	%100
86	M180	Z	.011	.011	0	%100
87	M181	X	.669	.669	0	%100
88	M181	Z	1.159	1.159	0	%100
89	M182	X	.006	.006	0	%100
90	M182	Z	.011	.011	0	%100
91	M183	X	1.283	1.283	0	%100
92	M183	Z	2.223	2.223	0	%100
93	M184	X	.601	.601	0	%100
94	M184	Z	1.04	1.04	0	%100
95	M185	X	1.328	1.328	0	%100
96	M185	Z	2.3	2.3	0	%100
97	M186	X	1.328	1.328	0	%100
98	M186	Z	2.3	2.3	0	%100
99	M187	X	1.328	1.328	0	%100
100	M187	Z	2.3	2.3	0	%100
101	M188	X	1.328	1.328	0	%100
102	M188	Z	2.3	2.3	0	%100
103	M189	X	1.328	1.328	0	%100
104	M189	Z	2.3	2.3	0	%100
105	MP2B	X	1.678	1.678	0	%100
106	MP2B	Z	2.907	2.907	0	%100
107	MP3B	X	1.678	1.678	0	%100
108	MP3B	Z	2.907	2.907	0	%100
109	M201	X	.217	.217	0	%100
110	M201	Z	.377	.377	0	%100
111	M202	X	.217	.217	0	%100
112	M202	Z	.377	.377	0	%100
113	M203	X	.345	.345	0	%100
114	M203	Z	.598	.598	0	%100
115	M204	X	.157	.157	0	%100
116	M204	Z	.272	.272	0	%100
117	M205	X	1.18	1.18	0	%100
118	M205	Z	2.044	2.044	0	%100
119	M208	X	1.558	1.558	0	%100
120	M208	Z	2.699	2.699	0	%100
121	M209	X	1.352	1.352	0	%100
122	M209	Z	2.343	2.343	0	%100
123	M210	X	1.352	1.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	2.343	2.343	0	%100
125	M211	X	1.328	1.328	0	%100
126	M211	Z	2.3	2.3	0	%100
127	M212	X	1.328	1.328	0	%100
128	M212	Z	2.3	2.3	0	%100
129	MP1C	X	1.678	1.678	0	%100
130	MP1C	Z	2.907	2.907	0	%100
131	M216	X	.345	.345	0	%100
132	M216	Z	.598	.598	0	%100
133	M217	X	.157	.157	0	%100
134	M217	Z	.272	.272	0	%100
135	M218	X	1.18	1.18	0	%100
136	M218	Z	2.044	2.044	0	%100
137	M219	X	2.727	2.727	0	%100
138	M219	Z	4.723	4.723	0	%100
139	M220	X	.545	.545	0	%100
140	M220	Z	.944	.944	0	%100
141	M221	X	2.727	2.727	0	%100
142	M221	Z	4.723	4.723	0	%100
143	M222	X	.545	.545	0	%100
144	M222	Z	.944	.944	0	%100
145	M223	X	1.283	1.283	0	%100
146	M223	Z	2.223	2.223	0	%100
147	M224	X	.909	.909	0	%100
148	M224	Z	1.574	1.574	0	%100
149	M225	X	1.328	1.328	0	%100
150	M225	Z	2.3	2.3	0	%100
151	M226	X	1.328	1.328	0	%100
152	M226	Z	2.3	2.3	0	%100
153	M227	X	1.328	1.328	0	%100
154	M227	Z	2.3	2.3	0	%100
155	M228	X	1.328	1.328	0	%100
156	M228	Z	2.3	2.3	0	%100
157	M229	X	1.328	1.328	0	%100
158	M229	Z	2.3	2.3	0	%100
159	MP2C	X	1.678	1.678	0	%100
160	MP2C	Z	2.907	2.907	0	%100
161	MP3C	X	1.678	1.678	0	%100
162	MP3C	Z	2.907	2.907	0	%100
163	M121	X	.149	.149	0	%100
164	M121	Z	.259	.259	0	%100
165	M122A	X	1.595	1.595	0	%100
166	M122A	Z	2.762	2.762	0	%100
167	M123A	X	.714	.714	0	%100
168	M123A	Z	1.236	1.236	0	%100
169	M124A	X	.149	.149	0	%100
170	M124A	Z	.259	.259	0	%100
171	M125A	X	1.595	1.595	0	%100
172	M125A	Z	2.762	2.762	0	%100
173	M126A	X	.714	.714	0	%100
174	M126A	Z	1.236	1.236	0	%100
175	OVP1	X	1.678	1.678	0	%100
176	OVP1	Z	2.907	2.907	0	%100
177	OVP2	X	1.678	1.678	0	%100
178	OVP2	Z	2.907	2.907	0	%100
179	M133	X	1.563	1.563	0	%100
180	M133	Z	2.706	2.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
181	M137	X	2.021	2.021	0 %100
182	M137	Z	3.5	3.5	0 %100
183	M141	X	.244	.244	0 %100
184	M141	Z	.422	.422	0 %100
185	M148	X	.919	.919	0 %100
186	M148	Z	1.592	1.592	0 %100
187	M149	X	1.619	1.619	0 %100
188	M149	Z	2.804	2.804	0 %100
189	M150	X	.019	.019	0 %100
190	M150	Z	.033	.033	0 %100
191	M151	X	.986	.986	0 %100
192	M151	Z	1.708	1.708	0 %100
193	M152	X	1.655	1.655	0 %100
194	M152	Z	2.867	2.867	0 %100
195	M153	X	.15	.15	0 %100
196	M153	Z	.26	.26	0 %100
197	M151A	X	1.343	1.343	0 %100
198	M151A	Z	2.326	2.326	0 %100
199	M152A	X	1.318	1.318	0 %100
200	M152A	Z	2.284	2.284	0 %100
201	M153A	X	.398	.398	0 %100
202	M153A	Z	.69	.69	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	0	0	0 %100
2	M109	Z	3.717	3.717	0 %100
3	M110	X	0	0	0 %100
4	M110	Z	3.717	3.717	0 %100
5	M116	X	0	0	0 %100
6	M116	Z	1.062	1.062	0 %100
7	M117	X	0	0	0 %100
8	M117	Z	2.685	2.685	0 %100
9	M118	X	0	0	0 %100
10	M118	Z	1.062	1.062	0 %100
11	M124	X	0	0	0 %100
12	M124	Z	3.117	3.117	0 %100
13	M125	X	0	0	0 %100
14	M125	Z	.205	.205	0 %100
15	M126	X	0	0	0 %100
16	M126	Z	.205	.205	0 %100
17	M127	X	0	0	0 %100
18	M127	Z	2.656	2.656	0 %100
19	M128	X	0	0	0 %100
20	M128	Z	2.656	2.656	0 %100
21	MP1A	X	0	0	0 %100
22	MP1A	Z	3.356	3.356	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	1.062	1.062	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	2.685	2.685	0 %100
27	M20	X	0	0	0 %100
28	M20	Z	1.062	1.062	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	1.617	1.617	0 %100
31	M22	X	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	.083	.083	0	%100
33	M21A	X	0	0	0	%100
34	M21A	Z	1.617	1.617	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	.083	.083	0	%100
37	M23A	X	0	0	0	%100
38	M23A	Z	2.566	2.566	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	1.241	1.241	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	2.656	2.656	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	2.656	2.656	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	2.656	2.656	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	2.656	2.656	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	2.656	2.656	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	3.356	3.356	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	3.356	3.356	0	%100
55	M161	X	0	0	0	%100
56	M161	Z	3.282	3.282	0	%100
57	M162	X	0	0	0	%100
58	M162	Z	3.282	3.282	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	.289	.289	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	2.371	2.371	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	1.958	1.958	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	3.117	3.117	0	%100
67	M169	X	0	0	0	%100
68	M169	Z	1.052	1.052	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	1.052	1.052	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	2.656	2.656	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	2.656	2.656	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	3.356	3.356	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	.289	.289	0	%100
79	M177	X	0	0	0	%100
80	M177	Z	2.371	2.371	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	1.958	1.958	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	2.849	2.849	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	.424	.424	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	2.849	2.849	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	0	0	0	%100
90	M182	Z	.424	.424	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	2.566	2.566	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	1.437	1.437	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	2.656	2.656	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	2.656	2.656	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	2.656	2.656	0	%100
101	M188	X	0	0	0	%100
102	M188	Z	2.656	2.656	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	2.656	2.656	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	3.356	3.356	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	3.356	3.356	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	.112	.112	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	.112	.112	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	2.015	2.015	0	%100
115	M204	X	0	0	0	%100
116	M204	Z	.081	.081	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	1.127	1.127	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	3.117	3.117	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	2.971	2.971	0	%100
123	M210	X	0	0	0	%100
124	M210	Z	2.971	2.971	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	2.656	2.656	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	2.656	2.656	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	3.356	3.356	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	2.015	2.015	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	.081	.081	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	1.127	1.127	0	%100
137	M219	X	0	0	0	%100
138	M219	Z	5.861	5.861	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	1.197	1.197	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	5.861	5.861	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	1.197	1.197	0	%100
145	M223	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	2.566	2.566	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	1.879	1.879	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	2.656	2.656	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	2.656	2.656	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	2.656	2.656	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	2.656	2.656	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	2.656	2.656	0	%100
159	MP2C	X	0	0	0	%100
160	MP2C	Z	3.356	3.356	0	%100
161	MP3C	X	0	0	0	%100
162	MP3C	Z	3.356	3.356	0	%100
163	M121	X	0	0	0	%100
164	M121	Z	.161	.161	0	%100
165	M122A	X	0	0	0	%100
166	M122A	Z	1.802	1.802	0	%100
167	M123A	X	0	0	0	%100
168	M123A	Z	2.99	2.99	0	%100
169	M124A	X	0	0	0	%100
170	M124A	Z	.161	.161	0	%100
171	M125A	X	0	0	0	%100
172	M125A	Z	1.802	1.802	0	%100
173	M126A	X	0	0	0	%100
174	M126A	Z	2.99	2.99	0	%100
175	OVP1	X	0	0	0	%100
176	OVP1	Z	3.356	3.356	0	%100
177	OVP2	X	0	0	0	%100
178	OVP2	Z	3.356	3.356	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	4.167	4.167	0	%100
181	M137	X	0	0	0	%100
182	M137	Z	3.679	3.679	0	%100
183	M141	X	0	0	0	%100
184	M141	Z	.126	.126	0	%100
185	M148	X	0	0	0	%100
186	M148	Z	.246	.246	0	%100
187	M149	X	0	0	0	%100
188	M149	Z	3.556	3.556	0	%100
189	M150	X	0	0	0	%100
190	M150	Z	1.264	1.264	0	%100
191	M151	X	0	0	0	%100
192	M151	Z	3.256	3.256	0	%100
193	M152	X	0	0	0	%100
194	M152	Z	2.155	2.155	0	%100
195	M153	X	0	0	0	%100
196	M153	Z	.16	.16	0	%100
197	M151A	X	0	0	0	%100
198	M151A	Z	2.91	2.91	0	%100
199	M152A	X	0	0	0	%100
200	M152A	Z	2.936	2.936	0	%100
201	M153A	X	0	0	0	%100
202	M153A	Z	.000804	.000804	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-1.394	-1.394	0	%100
2	M109	Z	2.414	2.414	0	%100
3	M110	X	-1.394	-1.394	0	%100
4	M110	Z	2.414	2.414	0	%100
5	M116	X	-.035	-.035	0	%100
6	M116	Z	.06	.06	0	%100
7	M117	X	-1.007	-1.007	0	%100
8	M117	Z	1.744	1.744	0	%100
9	M118	X	-1.159	-1.159	0	%100
10	M118	Z	2.007	2.007	0	%100
11	M124	X	-1.558	-1.558	0	%100
12	M124	Z	2.699	2.699	0	%100
13	M125	X	-.103	-.103	0	%100
14	M125	Z	.178	.178	0	%100
15	M126	X	-.103	-.103	0	%100
16	M126	Z	.178	.178	0	%100
17	M127	X	-1.328	-1.328	0	%100
18	M127	Z	2.3	2.3	0	%100
19	M128	X	-1.328	-1.328	0	%100
20	M128	Z	2.3	2.3	0	%100
21	MP1A	X	-1.678	-1.678	0	%100
22	MP1A	Z	2.907	2.907	0	%100
23	M18	X	-.035	-.035	0	%100
24	M18	Z	.06	.06	0	%100
25	M19	X	-1.007	-1.007	0	%100
26	M19	Z	1.744	1.744	0	%100
27	M20	X	-1.159	-1.159	0	%100
28	M20	Z	2.007	2.007	0	%100
29	M21	X	-.809	-.809	0	%100
30	M21	Z	1.401	1.401	0	%100
31	M22	X	-.041	-.041	0	%100
32	M22	Z	.072	.072	0	%100
33	M21A	X	-.809	-.809	0	%100
34	M21A	Z	1.401	1.401	0	%100
35	M23	X	-.041	-.041	0	%100
36	M23	Z	.072	.072	0	%100
37	M23A	X	-1.283	-1.283	0	%100
38	M23A	Z	2.223	2.223	0	%100
39	M24	X	-.621	-.621	0	%100
40	M24	Z	1.075	1.075	0	%100
41	M25	X	-1.328	-1.328	0	%100
42	M25	Z	2.3	2.3	0	%100
43	M26	X	-1.328	-1.328	0	%100
44	M26	Z	2.3	2.3	0	%100
45	M27	X	-1.328	-1.328	0	%100
46	M27	Z	2.3	2.3	0	%100
47	M28	X	-1.328	-1.328	0	%100
48	M28	Z	2.3	2.3	0	%100
49	M29	X	-1.328	-1.328	0	%100
50	M29	Z	2.3	2.3	0	%100
51	MP2A	X	-1.678	-1.678	0	%100
52	MP2A	Z	2.907	2.907	0	%100
53	MP3A	X	-1.678	-1.678	0	%100
54	MP3A	Z	2.907	2.907	0	%100
55	M161	X	-.768	-.768	0	%100
56	M161	Z	1.33	1.33	0	%100
57	M162	X	-.768	-.768	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	1.33	1.33	0	%100
59	M163	X	-.046	-.046	0	%100
60	M163	Z	.079	.079	0	%100
61	M164	X	-.555	-.555	0	%100
62	M164	Z	.961	.961	0	%100
63	M165	X	-1.324	-1.324	0	%100
64	M165	Z	2.294	2.294	0	%100
65	M168	X	-1.558	-1.558	0	%100
66	M168	Z	2.699	2.699	0	%100
67	M169	X	-1.276	-1.276	0	%100
68	M169	Z	2.21	2.21	0	%100
69	M170	X	-1.276	-1.276	0	%100
70	M170	Z	2.21	2.21	0	%100
71	M171	X	-1.328	-1.328	0	%100
72	M171	Z	2.3	2.3	0	%100
73	M172	X	-1.328	-1.328	0	%100
74	M172	Z	2.3	2.3	0	%100
75	MP1B	X	-1.678	-1.678	0	%100
76	MP1B	Z	2.907	2.907	0	%100
77	M176	X	-.046	-.046	0	%100
78	M176	Z	.079	.079	0	%100
79	M177	X	-.555	-.555	0	%100
80	M177	Z	.961	.961	0	%100
81	M178	X	-1.324	-1.324	0	%100
82	M178	Z	2.294	2.294	0	%100
83	M179	X	-2.582	-2.582	0	%100
84	M179	Z	4.472	4.472	0	%100
85	M180	X	-.514	-.514	0	%100
86	M180	Z	.89	.89	0	%100
87	M181	X	-2.582	-2.582	0	%100
88	M181	Z	4.472	4.472	0	%100
89	M182	X	-.514	-.514	0	%100
90	M182	Z	.89	.89	0	%100
91	M183	X	-1.283	-1.283	0	%100
92	M183	Z	2.223	2.223	0	%100
93	M184	X	-.891	-.891	0	%100
94	M184	Z	1.544	1.544	0	%100
95	M185	X	-1.328	-1.328	0	%100
96	M185	Z	2.3	2.3	0	%100
97	M186	X	-1.328	-1.328	0	%100
98	M186	Z	2.3	2.3	0	%100
99	M187	X	-1.328	-1.328	0	%100
100	M187	Z	2.3	2.3	0	%100
101	M188	X	-1.328	-1.328	0	%100
102	M188	Z	2.3	2.3	0	%100
103	M189	X	-1.328	-1.328	0	%100
104	M189	Z	2.3	2.3	0	%100
105	MP2B	X	-1.678	-1.678	0	%100
106	MP2B	Z	2.907	2.907	0	%100
107	MP3B	X	-1.678	-1.678	0	%100
108	MP3B	Z	2.907	2.907	0	%100
109	M201	X	-.768	-.768	0	%100
110	M201	Z	1.33	1.33	0	%100
111	M202	X	-.768	-.768	0	%100
112	M202	Z	1.33	1.33	0	%100
113	M203	X	-1.324	-1.324	0	%100
114	M203	Z	2.294	2.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
115	M204	X	-.555	-.555	0	%100
116	M204	Z	.961	.961	0	%100
117	M205	X	-.046	-.046	0	%100
118	M205	Z	.079	.079	0	%100
119	M208	X	-1.558	-1.558	0	%100
120	M208	Z	2.699	2.699	0	%100
121	M209	X	-.899	-.899	0	%100
122	M209	Z	1.557	1.557	0	%100
123	M210	X	-.899	-.899	0	%100
124	M210	Z	1.557	1.557	0	%100
125	M211	X	-1.328	-1.328	0	%100
126	M211	Z	2.3	2.3	0	%100
127	M212	X	-1.328	-1.328	0	%100
128	M212	Z	2.3	2.3	0	%100
129	MP1C	X	-1.678	-1.678	0	%100
130	MP1C	Z	2.907	2.907	0	%100
131	M216	X	-1.324	-1.324	0	%100
132	M216	Z	2.294	2.294	0	%100
133	M217	X	-.555	-.555	0	%100
134	M217	Z	.961	.961	0	%100
135	M218	X	-.046	-.046	0	%100
136	M218	Z	.079	.079	0	%100
137	M219	X	-2.03	-2.03	0	%100
138	M219	Z	3.517	3.517	0	%100
139	M220	X	-.362	-.362	0	%100
140	M220	Z	.627	.627	0	%100
141	M221	X	-2.03	-2.03	0	%100
142	M221	Z	3.517	3.517	0	%100
143	M222	X	-.362	-.362	0	%100
144	M222	Z	.627	.627	0	%100
145	M223	X	-1.283	-1.283	0	%100
146	M223	Z	2.223	2.223	0	%100
147	M224	X	-.804	-.804	0	%100
148	M224	Z	1.393	1.393	0	%100
149	M225	X	-1.328	-1.328	0	%100
150	M225	Z	2.3	2.3	0	%100
151	M226	X	-1.328	-1.328	0	%100
152	M226	Z	2.3	2.3	0	%100
153	M227	X	-1.328	-1.328	0	%100
154	M227	Z	2.3	2.3	0	%100
155	M228	X	-1.328	-1.328	0	%100
156	M228	Z	2.3	2.3	0	%100
157	M229	X	-1.328	-1.328	0	%100
158	M229	Z	2.3	2.3	0	%100
159	MP2C	X	-1.678	-1.678	0	%100
160	MP2C	Z	2.907	2.907	0	%100
161	MP3C	X	-1.678	-1.678	0	%100
162	MP3C	Z	2.907	2.907	0	%100
163	M121	X	-.77	-.77	0	%100
164	M121	Z	1.334	1.334	0	%100
165	M122A	X	-.145	-.145	0	%100
166	M122A	Z	.252	.252	0	%100
167	M123A	X	-1.62	-1.62	0	%100
168	M123A	Z	2.806	2.806	0	%100
169	M124A	X	-.77	-.77	0	%100
170	M124A	Z	1.334	1.334	0	%100
171	M125A	X	-.145	-.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
172	M125A	Z	.252	.252	0 %100
173	M126A	X	-1.62	-1.62	0 %100
174	M126A	Z	2.806	2.806	0 %100
175	OVP1	X	-1.678	-1.678	0 %100
176	OVP1	Z	2.907	2.907	0 %100
177	OVP2	X	-1.678	-1.678	0 %100
178	OVP2	Z	2.907	2.907	0 %100
179	M133	X	-1.563	-1.563	0 %100
180	M133	Z	2.706	2.706	0 %100
181	M137	X	-.861	-.861	0 %100
182	M137	Z	1.491	1.491	0 %100
183	M141	X	-.861	-.861	0 %100
184	M141	Z	1.491	1.491	0 %100
185	M148	X	-.123	-.123	0 %100
186	M148	Z	.213	.213	0 %100
187	M149	X	-1.076	-1.076	0 %100
188	M149	Z	1.863	1.863	0 %100
189	M150	X	-1.532	-1.532	0 %100
190	M150	Z	2.653	2.653	0 %100
191	M151	X	-1.481	-1.481	0 %100
192	M151	Z	2.565	2.565	0 %100
193	M152	X	-.262	-.262	0 %100
194	M152	Z	.453	.453	0 %100
195	M153	X	-.769	-.769	0 %100
196	M153	Z	1.332	1.332	0 %100
197	M151A	X	-.865	-.865	0 %100
198	M151A	Z	1.499	1.499	0 %100
199	M152A	X	-.903	-.903	0 %100
200	M152A	Z	1.564	1.564	0 %100
201	M153A	X	-.356	-.356	0 %100
202	M153A	Z	.616	.616	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	-.805	-.805	0 %100
2	M109	Z	.465	.465	0 %100
3	M110	X	-.805	-.805	0 %100
4	M110	Z	.465	.465	0 %100
5	M116	X	-.287	-.287	0 %100
6	M116	Z	.166	.166	0 %100
7	M117	X	-.581	-.581	0 %100
8	M117	Z	.336	.336	0 %100
9	M118	X	-2.234	-2.234	0 %100
10	M118	Z	1.29	1.29	0 %100
11	M124	X	-2.699	-2.699	0 %100
12	M124	Z	1.558	1.558	0 %100
13	M125	X	-1.326	-1.326	0 %100
14	M125	Z	.766	.766	0 %100
15	M126	X	-1.326	-1.326	0 %100
16	M126	Z	.766	.766	0 %100
17	M127	X	-2.3	-2.3	0 %100
18	M127	Z	1.328	1.328	0 %100
19	M128	X	-2.3	-2.3	0 %100
20	M128	Z	1.328	1.328	0 %100
21	MP1A	X	-2.907	-2.907	0 %100
22	MP1A	Z	1.678	1.678	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
23	M18	X	-.287	-.287	0	%100
24	M18	Z	.166	.166	0	%100
25	M19	X	-.581	-.581	0	%100
26	M19	Z	.336	.336	0	%100
27	M20	X	-2.234	-2.234	0	%100
28	M20	Z	1.29	1.29	0	%100
29	M21	X	-3.163	-3.163	0	%100
30	M21	Z	1.826	1.826	0	%100
31	M22	X	-.534	-.534	0	%100
32	M22	Z	.308	.308	0	%100
33	M21A	X	-3.163	-3.163	0	%100
34	M21A	Z	1.826	1.826	0	%100
35	M23	X	-.534	-.534	0	%100
36	M23	Z	.308	.308	0	%100
37	M23A	X	-2.223	-2.223	0	%100
38	M23A	Z	1.283	1.283	0	%100
39	M24	X	-1.34	-1.34	0	%100
40	M24	Z	.774	.774	0	%100
41	M25	X	-2.3	-2.3	0	%100
42	M25	Z	1.328	1.328	0	%100
43	M26	X	-2.3	-2.3	0	%100
44	M26	Z	1.328	1.328	0	%100
45	M27	X	-2.3	-2.3	0	%100
46	M27	Z	1.328	1.328	0	%100
47	M28	X	-2.3	-2.3	0	%100
48	M28	Z	1.328	1.328	0	%100
49	M29	X	-2.3	-2.3	0	%100
50	M29	Z	1.328	1.328	0	%100
51	MP2A	X	-2.907	-2.907	0	%100
52	MP2A	Z	1.678	1.678	0	%100
53	MP3A	X	-2.907	-2.907	0	%100
54	MP3A	Z	1.678	1.678	0	%100
55	M161	X	-.097	-.097	0	%100
56	M161	Z	.056	.056	0	%100
57	M162	X	-.097	-.097	0	%100
58	M162	Z	.056	.056	0	%100
59	M163	X	-.976	-.976	0	%100
60	M163	Z	.563	.563	0	%100
61	M164	X	-.07	-.07	0	%100
62	M164	Z	.04	.04	0	%100
63	M165	X	-1.745	-1.745	0	%100
64	M165	Z	1.007	1.007	0	%100
65	M168	X	-2.699	-2.699	0	%100
66	M168	Z	1.558	1.558	0	%100
67	M169	X	-2.625	-2.625	0	%100
68	M169	Z	1.516	1.516	0	%100
69	M170	X	-2.625	-2.625	0	%100
70	M170	Z	1.516	1.516	0	%100
71	M171	X	-2.3	-2.3	0	%100
72	M171	Z	1.328	1.328	0	%100
73	M172	X	-2.3	-2.3	0	%100
74	M172	Z	1.328	1.328	0	%100
75	MP1B	X	-2.907	-2.907	0	%100
76	MP1B	Z	1.678	1.678	0	%100
77	M176	X	-.976	-.976	0	%100
78	M176	Z	.563	.563	0	%100
79	M177	X	-.07	-.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
80	M177	Z	.04	.04	0	%100
81	M178	X	-1.745	-1.745	0	%100
82	M178	Z	1.007	1.007	0	%100
83	M179	X	-5.168	-5.168	0	%100
84	M179	Z	2.984	2.984	0	%100
85	M180	X	-1.057	-1.057	0	%100
86	M180	Z	.61	.61	0	%100
87	M181	X	-5.168	-5.168	0	%100
88	M181	Z	2.984	2.984	0	%100
89	M182	X	-1.057	-1.057	0	%100
90	M182	Z	.61	.61	0	%100
91	M183	X	-2.223	-2.223	0	%100
92	M183	Z	1.283	1.283	0	%100
93	M184	X	-1.639	-1.639	0	%100
94	M184	Z	.946	.946	0	%100
95	M185	X	-2.3	-2.3	0	%100
96	M185	Z	1.328	1.328	0	%100
97	M186	X	-2.3	-2.3	0	%100
98	M186	Z	1.328	1.328	0	%100
99	M187	X	-2.3	-2.3	0	%100
100	M187	Z	1.328	1.328	0	%100
101	M188	X	-2.3	-2.3	0	%100
102	M188	Z	1.328	1.328	0	%100
103	M189	X	-2.3	-2.3	0	%100
104	M189	Z	1.328	1.328	0	%100
105	MP2B	X	-2.907	-2.907	0	%100
106	MP2B	Z	1.678	1.678	0	%100
107	MP3B	X	-2.907	-2.907	0	%100
108	MP3B	Z	1.678	1.678	0	%100
109	M201	X	-2.842	-2.842	0	%100
110	M201	Z	1.641	1.641	0	%100
111	M202	X	-2.842	-2.842	0	%100
112	M202	Z	1.641	1.641	0	%100
113	M203	X	-1.696	-1.696	0	%100
114	M203	Z	.979	.979	0	%100
115	M204	X	-2.053	-2.053	0	%100
116	M204	Z	1.185	1.185	0	%100
117	M205	X	-.25	-.25	0	%100
118	M205	Z	.145	.145	0	%100
119	M208	X	-2.699	-2.699	0	%100
120	M208	Z	1.558	1.558	0	%100
121	M209	X	-.31	-.31	0	%100
122	M209	Z	.179	.179	0	%100
123	M210	X	-.31	-.31	0	%100
124	M210	Z	.179	.179	0	%100
125	M211	X	-2.3	-2.3	0	%100
126	M211	Z	1.328	1.328	0	%100
127	M212	X	-2.3	-2.3	0	%100
128	M212	Z	1.328	1.328	0	%100
129	MP1C	X	-2.907	-2.907	0	%100
130	MP1C	Z	1.678	1.678	0	%100
131	M216	X	-1.696	-1.696	0	%100
132	M216	Z	.979	.979	0	%100
133	M217	X	-2.053	-2.053	0	%100
134	M217	Z	1.185	1.185	0	%100
135	M218	X	-.25	-.25	0	%100
136	M218	Z	.145	.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	-1.604	-1.604	0	%100
138	M219	Z	.926	.926	0	%100
139	M220	X	-.125	-.125	0	%100
140	M220	Z	.072	.072	0	%100
141	M221	X	-1.604	-1.604	0	%100
142	M221	Z	.926	.926	0	%100
143	M222	X	-.125	-.125	0	%100
144	M222	Z	.072	.072	0	%100
145	M223	X	-2.223	-2.223	0	%100
146	M223	Z	1.283	1.283	0	%100
147	M224	X	-1.105	-1.105	0	%100
148	M224	Z	.638	.638	0	%100
149	M225	X	-2.3	-2.3	0	%100
150	M225	Z	1.328	1.328	0	%100
151	M226	X	-2.3	-2.3	0	%100
152	M226	Z	1.328	1.328	0	%100
153	M227	X	-2.3	-2.3	0	%100
154	M227	Z	1.328	1.328	0	%100
155	M228	X	-2.3	-2.3	0	%100
156	M228	Z	1.328	1.328	0	%100
157	M229	X	-2.3	-2.3	0	%100
158	M229	Z	1.328	1.328	0	%100
159	MP2C	X	-2.907	-2.907	0	%100
160	MP2C	Z	1.678	1.678	0	%100
161	MP3C	X	-2.907	-2.907	0	%100
162	MP3C	Z	1.678	1.678	0	%100
163	M121	X	-2.648	-2.648	0	%100
164	M121	Z	1.529	1.529	0	%100
165	M122A	X	-.144	-.144	0	%100
166	M122A	Z	.083	.083	0	%100
167	M123A	X	-1.671	-1.671	0	%100
168	M123A	Z	.964	.964	0	%100
169	M124A	X	-2.648	-2.648	0	%100
170	M124A	Z	1.529	1.529	0	%100
171	M125A	X	-.144	-.144	0	%100
172	M125A	Z	.083	.083	0	%100
173	M126A	X	-1.671	-1.671	0	%100
174	M126A	Z	.964	.964	0	%100
175	OVP1	X	-2.907	-2.907	0	%100
176	OVP1	Z	1.678	1.678	0	%100
177	OVP2	X	-2.907	-2.907	0	%100
178	OVP2	Z	1.678	1.678	0	%100
179	M133	X	-.902	-.902	0	%100
180	M133	Z	.521	.521	0	%100
181	M137	X	-.109	-.109	0	%100
182	M137	Z	.063	.063	0	%100
183	M141	X	-3.186	-3.186	0	%100
184	M141	Z	1.84	1.84	0	%100
185	M148	X	-1.592	-1.592	0	%100
186	M148	Z	.919	.919	0	%100
187	M149	X	-.371	-.371	0	%100
188	M149	Z	.214	.214	0	%100
189	M150	X	-3.151	-3.151	0	%100
190	M150	Z	1.819	1.819	0	%100
191	M151	X	-1.198	-1.198	0	%100
192	M151	Z	.692	.692	0	%100
193	M152	X	-.04	-.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	.023	.023	0	%100
195	M153	X	-2.647	-2.647	0	%100
196	M153	Z	1.528	1.528	0	%100
197	M151A	X	-.284	-.284	0	%100
198	M151A	Z	.164	.164	0	%100
199	M152A	X	-.327	-.327	0	%100
200	M152A	Z	.189	.189	0	%100
201	M153A	X	-1.92	-1.92	0	%100
202	M153A	Z	1.109	1.109	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	M116	X	-1.587	-1.587	0	%100
6	M116	Z	0	0	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	0	0	0	%100
9	M118	X	-1.587	-1.587	0	%100
10	M118	Z	0	0	0	%100
11	M124	X	-3.117	-3.117	0	%100
12	M124	Z	0	0	0	%100
13	M125	X	-2.858	-2.858	0	%100
14	M125	Z	0	0	0	%100
15	M126	X	-2.858	-2.858	0	%100
16	M126	Z	0	0	0	%100
17	M127	X	-2.656	-2.656	0	%100
18	M127	Z	0	0	0	%100
19	M128	X	-2.656	-2.656	0	%100
20	M128	Z	0	0	0	%100
21	MP1A	X	-3.356	-3.356	0	%100
22	MP1A	Z	0	0	0	%100
23	M18	X	-1.587	-1.587	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20	X	-1.587	-1.587	0	%100
28	M20	Z	0	0	0	%100
29	M21	X	-5.688	-5.688	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	-1.151	-1.151	0	%100
32	M22	Z	0	0	0	%100
33	M21A	X	-5.688	-5.688	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	-1.151	-1.151	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	-2.566	-2.566	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	-1.853	-1.853	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-2.656	-2.656	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-2.656	-2.656	0	%100
44	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
45	M27	X	-2.656	-2.656	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-2.656	-2.656	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-2.656	-2.656	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	-3.356	-3.356	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-3.356	-3.356	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	-435	-435	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	-435	-435	0	%100
58	M162	Z	0	0	0	%100
59	M163	X	-2.36	-2.36	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	-.314	-.314	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	-.691	-.691	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	-3.117	-3.117	0	%100
66	M168	Z	0	0	0	%100
67	M169	X	-2.011	-2.011	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	-2.011	-2.011	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	-2.656	-2.656	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	-2.656	-2.656	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	-3.356	-3.356	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	-2.36	-2.36	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	-.314	-.314	0	%100
80	M177	Z	0	0	0	%100
81	M178	X	-.691	-.691	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	-4.457	-4.457	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	-.81	-.81	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	-4.457	-4.457	0	%100
88	M181	Z	0	0	0	%100
89	M182	X	-.81	-.81	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	-2.566	-2.566	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	-1.658	-1.658	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	-2.656	-2.656	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	-2.656	-2.656	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	-2.656	-2.656	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	-2.656	-2.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
102	M188	Z	0	0	0	%100
103	M189	X	-2.656	-2.656	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	-3.356	-3.356	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	-3.356	-3.356	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	-3.605	-3.605	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	-3.605	-3.605	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	-.634	-.634	0	%100
114	M203	Z	0	0	0	%100
115	M204	X	-2.604	-2.604	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	-1.522	-1.522	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	-3.117	-3.117	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	-.092	-.092	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	-.092	-.092	0	%100
124	M210	Z	0	0	0	%100
125	M211	X	-2.656	-2.656	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	-2.656	-2.656	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	-3.356	-3.356	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	-.634	-.634	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	-2.604	-2.604	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	-1.522	-1.522	0	%100
136	M218	Z	0	0	0	%100
137	M219	X	-1.444	-1.444	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	-.037	-.037	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	-1.444	-1.444	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	-.037	-.037	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	-2.566	-2.566	0	%100
146	M223	Z	0	0	0	%100
147	M224	X	-1.215	-1.215	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	-2.656	-2.656	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	-2.656	-2.656	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	-2.656	-2.656	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	-2.656	-2.656	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	-2.656	-2.656	0	%100
158	M229	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
159	MP2C	X	-3.356	-3.356	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	-3.356	-3.356	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	-3.196	-3.196	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	-1.554	-1.554	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	-.367	-.367	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	-3.196	-3.196	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	-1.554	-1.554	0	%100
172	M125A	Z	0	0	0	%100
173	M126A	X	-.367	-.367	0	%100
174	M126A	Z	0	0	0	%100
175	OVP1	X	-3.356	-3.356	0	%100
176	OVP1	Z	0	0	0	%100
177	OVP2	X	-3.356	-3.356	0	%100
178	OVP2	Z	0	0	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	0	0	0	%100
181	M137	X	-.487	-.487	0	%100
182	M137	Z	0	0	0	%100
183	M141	X	-4.041	-4.041	0	%100
184	M141	Z	0	0	0	%100
185	M148	X	-3.43	-3.43	0	%100
186	M148	Z	0	0	0	%100
187	M149	X	-.111	-.111	0	%100
188	M149	Z	0	0	0	%100
189	M150	X	-2.414	-2.414	0	%100
190	M150	Z	0	0	0	%100
191	M151	X	-.1	-.1	0	%100
192	M151	Z	0	0	0	%100
193	M152	X	-1.201	-1.201	0	%100
194	M152	Z	0	0	0	%100
195	M153	X	-3.197	-3.197	0	%100
196	M153	Z	0	0	0	%100
197	M151A	X	-.105	-.105	0	%100
198	M151A	Z	0	0	0	%100
199	M152A	X	-.078	-.078	0	%100
200	M152A	Z	0	0	0	%100
201	M153A	X	-3.013	-3.013	0	%100
202	M153A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-.805	-.805	0	%100
2	M109	Z	-.465	-.465	0	%100
3	M110	X	-.805	-.805	0	%100
4	M110	Z	-.465	-.465	0	%100
5	M116	X	-2.234	-2.234	0	%100
6	M116	Z	-1.29	-1.29	0	%100
7	M117	X	-.581	-.581	0	%100
8	M117	Z	-.336	-.336	0	%100
9	M118	X	-.287	-.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	-.166	-.166	0	%100
11	M124	X	-2.699	-2.699	0	%100
12	M124	Z	-1.558	-1.558	0	%100
13	M125	X	-2.475	-2.475	0	%100
14	M125	Z	-1.429	-1.429	0	%100
15	M126	X	-2.475	-2.475	0	%100
16	M126	Z	-1.429	-1.429	0	%100
17	M127	X	-2.3	-2.3	0	%100
18	M127	Z	-1.328	-1.328	0	%100
19	M128	X	-2.3	-2.3	0	%100
20	M128	Z	-1.328	-1.328	0	%100
21	MP1A	X	-2.907	-2.907	0	%100
22	MP1A	Z	-1.678	-1.678	0	%100
23	M18	X	-2.234	-2.234	0	%100
24	M18	Z	-1.29	-1.29	0	%100
25	M19	X	-.581	-.581	0	%100
26	M19	Z	-.336	-.336	0	%100
27	M20	X	-.287	-.287	0	%100
28	M20	Z	-.166	-.166	0	%100
29	M21	X	-4.926	-4.926	0	%100
30	M21	Z	-2.844	-2.844	0	%100
31	M22	X	-.997	-.997	0	%100
32	M22	Z	-.576	-.576	0	%100
33	M21A	X	-4.926	-4.926	0	%100
34	M21A	Z	-2.844	-2.844	0	%100
35	M23	X	-.997	-.997	0	%100
36	M23	Z	-.576	-.576	0	%100
37	M23A	X	-2.223	-2.223	0	%100
38	M23A	Z	-1.283	-1.283	0	%100
39	M24	X	-1.605	-1.605	0	%100
40	M24	Z	-.926	-.926	0	%100
41	M25	X	-2.3	-2.3	0	%100
42	M25	Z	-1.328	-1.328	0	%100
43	M26	X	-2.3	-2.3	0	%100
44	M26	Z	-1.328	-1.328	0	%100
45	M27	X	-2.3	-2.3	0	%100
46	M27	Z	-1.328	-1.328	0	%100
47	M28	X	-2.3	-2.3	0	%100
48	M28	Z	-1.328	-1.328	0	%100
49	M29	X	-2.3	-2.3	0	%100
50	M29	Z	-1.328	-1.328	0	%100
51	MP2A	X	-2.907	-2.907	0	%100
52	MP2A	Z	-1.678	-1.678	0	%100
53	MP3A	X	-2.907	-2.907	0	%100
54	MP3A	Z	-1.678	-1.678	0	%100
55	M161	X	-1.889	-1.889	0	%100
56	M161	Z	-1.09	-1.09	0	%100
57	M162	X	-1.889	-1.889	0	%100
58	M162	Z	-1.09	-1.09	0	%100
59	M163	X	-2.215	-2.215	0	%100
60	M163	Z	-1.279	-1.279	0	%100
61	M164	X	-1.364	-1.364	0	%100
62	M164	Z	-.788	-.788	0	%100
63	M165	X	-.000353	-.000353	0	%100
64	M165	Z	-.000204	-.000204	0	%100
65	M168	X	-2.699	-2.699	0	%100
66	M168	Z	-1.558	-1.558	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
67	M169	X	-.443	-.443	0	%100
68	M169	Z	-.256	-.256	0	%100
69	M170	X	-.443	-.443	0	%100
70	M170	Z	-.256	-.256	0	%100
71	M171	X	-2.3	-2.3	0	%100
72	M171	Z	-1.328	-1.328	0	%100
73	M172	X	-2.3	-2.3	0	%100
74	M172	Z	-1.328	-1.328	0	%100
75	MP1B	X	-2.907	-2.907	0	%100
76	MP1B	Z	-1.678	-1.678	0	%100
77	M176	X	-2.215	-2.215	0	%100
78	M176	Z	-1.279	-1.279	0	%100
79	M177	X	-1.364	-1.364	0	%100
80	M177	Z	-.788	-.788	0	%100
81	M178	X	-.000353	-.000353	0	%100
82	M178	Z	-.000204	-.000204	0	%100
83	M179	X	-1.855	-1.855	0	%100
84	M179	Z	-1.071	-1.071	0	%100
85	M180	X	-.178	-.178	0	%100
86	M180	Z	-.103	-.103	0	%100
87	M181	X	-1.855	-1.855	0	%100
88	M181	Z	-1.071	-1.071	0	%100
89	M182	X	-.178	-.178	0	%100
90	M182	Z	-.103	-.103	0	%100
91	M183	X	-2.223	-2.223	0	%100
92	M183	Z	-1.283	-1.283	0	%100
93	M184	X	-1.136	-1.136	0	%100
94	M184	Z	-.656	-.656	0	%100
95	M185	X	-2.3	-2.3	0	%100
96	M185	Z	-1.328	-1.328	0	%100
97	M186	X	-2.3	-2.3	0	%100
98	M186	Z	-1.328	-1.328	0	%100
99	M187	X	-2.3	-2.3	0	%100
100	M187	Z	-1.328	-1.328	0	%100
101	M188	X	-2.3	-2.3	0	%100
102	M188	Z	-1.328	-1.328	0	%100
103	M189	X	-2.3	-2.3	0	%100
104	M189	Z	-1.328	-1.328	0	%100
105	MP2B	X	-2.907	-2.907	0	%100
106	MP2B	Z	-1.678	-1.678	0	%100
107	MP3B	X	-2.907	-2.907	0	%100
108	MP3B	Z	-1.678	-1.678	0	%100
109	M201	X	-1.889	-1.889	0	%100
110	M201	Z	-1.09	-1.09	0	%100
111	M202	X	-1.889	-1.889	0	%100
112	M202	Z	-1.09	-1.09	0	%100
113	M203	X	-.000353	-.000353	0	%100
114	M203	Z	-.000204	-.000204	0	%100
115	M204	X	-1.364	-1.364	0	%100
116	M204	Z	-.788	-.788	0	%100
117	M205	X	-2.215	-2.215	0	%100
118	M205	Z	-1.279	-1.279	0	%100
119	M208	X	-2.699	-2.699	0	%100
120	M208	Z	-1.558	-1.558	0	%100
121	M209	X	-1.096	-1.096	0	%100
122	M209	Z	-.633	-.633	0	%100
123	M210	X	-1.096	-1.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	-.633	-.633	0	%100
125	M211	X	-2.3	-2.3	0	%100
126	M211	Z	-1.328	-1.328	0	%100
127	M212	X	-2.3	-2.3	0	%100
128	M212	Z	-1.328	-1.328	0	%100
129	MP1C	X	-2.907	-2.907	0	%100
130	MP1C	Z	-1.678	-1.678	0	%100
131	M216	X	-.000353	-.000353	0	%100
132	M216	Z	-.000204	-.000204	0	%100
133	M217	X	-1.364	-1.364	0	%100
134	M217	Z	-.788	-.788	0	%100
135	M218	X	-2.215	-2.215	0	%100
136	M218	Z	-1.279	-1.279	0	%100
137	M219	X	-2.81	-2.81	0	%100
138	M219	Z	-1.622	-1.622	0	%100
139	M220	X	-.441	-.441	0	%100
140	M220	Z	-.255	-.255	0	%100
141	M221	X	-2.81	-2.81	0	%100
142	M221	Z	-1.622	-1.622	0	%100
143	M222	X	-.441	-.441	0	%100
144	M222	Z	-.255	-.255	0	%100
145	M223	X	-2.223	-2.223	0	%100
146	M223	Z	-1.283	-1.283	0	%100
147	M224	X	-1.287	-1.287	0	%100
148	M224	Z	-.743	-.743	0	%100
149	M225	X	-2.3	-2.3	0	%100
150	M225	Z	-1.328	-1.328	0	%100
151	M226	X	-2.3	-2.3	0	%100
152	M226	Z	-1.328	-1.328	0	%100
153	M227	X	-2.3	-2.3	0	%100
154	M227	Z	-1.328	-1.328	0	%100
155	M228	X	-2.3	-2.3	0	%100
156	M228	Z	-1.328	-1.328	0	%100
157	M229	X	-2.3	-2.3	0	%100
158	M229	Z	-1.328	-1.328	0	%100
159	MP2C	X	-2.907	-2.907	0	%100
160	MP2C	Z	-1.678	-1.678	0	%100
161	MP3C	X	-2.907	-2.907	0	%100
162	MP3C	Z	-1.678	-1.678	0	%100
163	M121	X	-1.573	-1.573	0	%100
164	M121	Z	-.908	-.908	0	%100
165	M122A	X	-2.655	-2.655	0	%100
166	M122A	Z	-1.533	-1.533	0	%100
167	M123A	X	-.1	-.1	0	%100
168	M123A	Z	-.058	-.058	0	%100
169	M124A	X	-1.573	-1.573	0	%100
170	M124A	Z	-.908	-.908	0	%100
171	M125A	X	-2.655	-2.655	0	%100
172	M125A	Z	-1.533	-1.533	0	%100
173	M126A	X	-.1	-.1	0	%100
174	M126A	Z	-.058	-.058	0	%100
175	OVP1	X	-2.907	-2.907	0	%100
176	OVP1	Z	-1.678	-1.678	0	%100
177	OVP2	X	-2.907	-2.907	0	%100
178	OVP2	Z	-1.678	-1.678	0	%100
179	M133	X	-.902	-.902	0	%100
180	M133	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
181	M137	X	-2.118	-2.118	0	%100
182	M137	Z	-1.223	-1.223	0	%100
183	M141	X	-2.118	-2.118	0	%100
184	M141	Z	-1.223	-1.223	0	%100
185	M148	X	-2.97	-2.97	0	%100
186	M148	Z	-1.715	-1.715	0	%100
187	M149	X	-1.312	-1.312	0	%100
188	M149	Z	-.757	-.757	0	%100
189	M150	X	-.532	-.532	0	%100
190	M150	Z	-.307	-.307	0	%100
191	M151	X	-.342	-.342	0	%100
192	M151	Z	-.197	-.197	0	%100
193	M152	X	-2.453	-2.453	0	%100
194	M152	Z	-1.416	-1.416	0	%100
195	M153	X	-1.575	-1.575	0	%100
196	M153	Z	-.909	-.909	0	%100
197	M151A	X	-1.111	-1.111	0	%100
198	M151A	Z	-.642	-.642	0	%100
199	M152A	X	-1.046	-1.046	0	%100
200	M152A	Z	-.604	-.604	0	%100
201	M153A	X	-1.994	-1.994	0	%100
202	M153A	Z	-1.151	-1.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-1.394	-1.394	0	%100
2	M109	Z	-2.414	-2.414	0	%100
3	M110	X	-1.394	-1.394	0	%100
4	M110	Z	-2.414	-2.414	0	%100
5	M116	X	-1.159	-1.159	0	%100
6	M116	Z	-2.007	-2.007	0	%100
7	M117	X	-1.007	-1.007	0	%100
8	M117	Z	-1.744	-1.744	0	%100
9	M118	X	-.035	-.035	0	%100
10	M118	Z	-.06	-.06	0	%100
11	M124	X	-1.558	-1.558	0	%100
12	M124	Z	-2.699	-2.699	0	%100
13	M125	X	-.766	-.766	0	%100
14	M125	Z	-1.326	-1.326	0	%100
15	M126	X	-.766	-.766	0	%100
16	M126	Z	-1.326	-1.326	0	%100
17	M127	X	-1.328	-1.328	0	%100
18	M127	Z	-2.3	-2.3	0	%100
19	M128	X	-1.328	-1.328	0	%100
20	M128	Z	-2.3	-2.3	0	%100
21	MP1A	X	-1.678	-1.678	0	%100
22	MP1A	Z	-2.907	-2.907	0	%100
23	M18	X	-1.159	-1.159	0	%100
24	M18	Z	-2.007	-2.007	0	%100
25	M19	X	-1.007	-1.007	0	%100
26	M19	Z	-1.744	-1.744	0	%100
27	M20	X	-.035	-.035	0	%100
28	M20	Z	-.06	-.06	0	%100
29	M21	X	-1.826	-1.826	0	%100
30	M21	Z	-3.163	-3.163	0	%100
31	M22	X	-.308	-.308	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	-.534	-.534	0	%100
33	M21A	X	-1.826	-1.826	0	%100
34	M21A	Z	-3.163	-3.163	0	%100
35	M23	X	-.308	-.308	0	%100
36	M23	Z	-.534	-.534	0	%100
37	M23A	X	-1.283	-1.283	0	%100
38	M23A	Z	-2.223	-2.223	0	%100
39	M24	X	-.774	-.774	0	%100
40	M24	Z	-1.34	-1.34	0	%100
41	M25	X	-1.328	-1.328	0	%100
42	M25	Z	-2.3	-2.3	0	%100
43	M26	X	-1.328	-1.328	0	%100
44	M26	Z	-2.3	-2.3	0	%100
45	M27	X	-1.328	-1.328	0	%100
46	M27	Z	-2.3	-2.3	0	%100
47	M28	X	-1.328	-1.328	0	%100
48	M28	Z	-2.3	-2.3	0	%100
49	M29	X	-1.328	-1.328	0	%100
50	M29	Z	-2.3	-2.3	0	%100
51	MP2A	X	-1.678	-1.678	0	%100
52	MP2A	Z	-2.907	-2.907	0	%100
53	MP3A	X	-1.678	-1.678	0	%100
54	MP3A	Z	-2.907	-2.907	0	%100
55	M161	X	-1.802	-1.802	0	%100
56	M161	Z	-3.122	-3.122	0	%100
57	M162	X	-1.802	-1.802	0	%100
58	M162	Z	-3.122	-3.122	0	%100
59	M163	X	-.761	-.761	0	%100
60	M163	Z	-1.318	-1.318	0	%100
61	M164	X	-1.302	-1.302	0	%100
62	M164	Z	-2.255	-2.255	0	%100
63	M165	X	-.317	-.317	0	%100
64	M165	Z	-.549	-.549	0	%100
65	M168	X	-1.558	-1.558	0	%100
66	M168	Z	-2.699	-2.699	0	%100
67	M169	X	-.016	-.016	0	%100
68	M169	Z	-.028	-.028	0	%100
69	M170	X	-.016	-.016	0	%100
70	M170	Z	-.028	-.028	0	%100
71	M171	X	-1.328	-1.328	0	%100
72	M171	Z	-2.3	-2.3	0	%100
73	M172	X	-1.328	-1.328	0	%100
74	M172	Z	-2.3	-2.3	0	%100
75	MP1B	X	-1.678	-1.678	0	%100
76	MP1B	Z	-2.907	-2.907	0	%100
77	M176	X	-.761	-.761	0	%100
78	M176	Z	-1.318	-1.318	0	%100
79	M177	X	-1.302	-1.302	0	%100
80	M177	Z	-2.255	-2.255	0	%100
81	M178	X	-.317	-.317	0	%100
82	M178	Z	-.549	-.549	0	%100
83	M179	X	-.669	-.669	0	%100
84	M179	Z	-1.159	-1.159	0	%100
85	M180	X	-.006	-.006	0	%100
86	M180	Z	-.011	-.011	0	%100
87	M181	X	-.669	-.669	0	%100
88	M181	Z	-1.159	-1.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	-.006	-.006	0	%100
90	M182	Z	-.011	-.011	0	%100
91	M183	X	-1.283	-1.283	0	%100
92	M183	Z	-2.223	-2.223	0	%100
93	M184	X	-.601	-.601	0	%100
94	M184	Z	-1.04	-1.04	0	%100
95	M185	X	-1.328	-1.328	0	%100
96	M185	Z	-2.3	-2.3	0	%100
97	M186	X	-1.328	-1.328	0	%100
98	M186	Z	-2.3	-2.3	0	%100
99	M187	X	-1.328	-1.328	0	%100
100	M187	Z	-2.3	-2.3	0	%100
101	M188	X	-1.328	-1.328	0	%100
102	M188	Z	-2.3	-2.3	0	%100
103	M189	X	-1.328	-1.328	0	%100
104	M189	Z	-2.3	-2.3	0	%100
105	MP2B	X	-1.678	-1.678	0	%100
106	MP2B	Z	-2.907	-2.907	0	%100
107	MP3B	X	-1.678	-1.678	0	%100
108	MP3B	Z	-2.907	-2.907	0	%100
109	M201	X	-.217	-.217	0	%100
110	M201	Z	-.377	-.377	0	%100
111	M202	X	-.217	-.217	0	%100
112	M202	Z	-.377	-.377	0	%100
113	M203	X	-.345	-.345	0	%100
114	M203	Z	-.598	-.598	0	%100
115	M204	X	-.157	-.157	0	%100
116	M204	Z	-.272	-.272	0	%100
117	M205	X	-1.18	-1.18	0	%100
118	M205	Z	-2.044	-2.044	0	%100
119	M208	X	-1.558	-1.558	0	%100
120	M208	Z	-2.699	-2.699	0	%100
121	M209	X	-1.352	-1.352	0	%100
122	M209	Z	-2.343	-2.343	0	%100
123	M210	X	-1.352	-1.352	0	%100
124	M210	Z	-2.343	-2.343	0	%100
125	M211	X	-1.328	-1.328	0	%100
126	M211	Z	-2.3	-2.3	0	%100
127	M212	X	-1.328	-1.328	0	%100
128	M212	Z	-2.3	-2.3	0	%100
129	MP1C	X	-1.678	-1.678	0	%100
130	MP1C	Z	-2.907	-2.907	0	%100
131	M216	X	-.345	-.345	0	%100
132	M216	Z	-.598	-.598	0	%100
133	M217	X	-.157	-.157	0	%100
134	M217	Z	-.272	-.272	0	%100
135	M218	X	-1.18	-1.18	0	%100
136	M218	Z	-2.044	-2.044	0	%100
137	M219	X	-2.727	-2.727	0	%100
138	M219	Z	-4.723	-4.723	0	%100
139	M220	X	-.545	-.545	0	%100
140	M220	Z	-.944	-.944	0	%100
141	M221	X	-2.727	-2.727	0	%100
142	M221	Z	-4.723	-4.723	0	%100
143	M222	X	-.545	-.545	0	%100
144	M222	Z	-.944	-.944	0	%100
145	M223	X	-1.283	-1.283	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	-2.223	-2.223	0	%100
147	M224	X	-0.909	-0.909	0	%100
148	M224	Z	-1.574	-1.574	0	%100
149	M225	X	-1.328	-1.328	0	%100
150	M225	Z	-2.3	-2.3	0	%100
151	M226	X	-1.328	-1.328	0	%100
152	M226	Z	-2.3	-2.3	0	%100
153	M227	X	-1.328	-1.328	0	%100
154	M227	Z	-2.3	-2.3	0	%100
155	M228	X	-1.328	-1.328	0	%100
156	M228	Z	-2.3	-2.3	0	%100
157	M229	X	-1.328	-1.328	0	%100
158	M229	Z	-2.3	-2.3	0	%100
159	MP2C	X	-1.678	-1.678	0	%100
160	MP2C	Z	-2.907	-2.907	0	%100
161	MP3C	X	-1.678	-1.678	0	%100
162	MP3C	Z	-2.907	-2.907	0	%100
163	M121	X	-0.149	-0.149	0	%100
164	M121	Z	-0.259	-0.259	0	%100
165	M122A	X	-1.595	-1.595	0	%100
166	M122A	Z	-2.762	-2.762	0	%100
167	M123A	X	-0.714	-0.714	0	%100
168	M123A	Z	-1.236	-1.236	0	%100
169	M124A	X	-0.149	-0.149	0	%100
170	M124A	Z	-0.259	-0.259	0	%100
171	M125A	X	-1.595	-1.595	0	%100
172	M125A	Z	-2.762	-2.762	0	%100
173	M126A	X	-0.714	-0.714	0	%100
174	M126A	Z	-1.236	-1.236	0	%100
175	OVP1	X	-1.678	-1.678	0	%100
176	OVP1	Z	-2.907	-2.907	0	%100
177	OVP2	X	-1.678	-1.678	0	%100
178	OVP2	Z	-2.907	-2.907	0	%100
179	M133	X	-1.563	-1.563	0	%100
180	M133	Z	-2.706	-2.706	0	%100
181	M137	X	-2.021	-2.021	0	%100
182	M137	Z	-3.5	-3.5	0	%100
183	M141	X	-0.244	-0.244	0	%100
184	M141	Z	-0.422	-0.422	0	%100
185	M148	X	-0.919	-0.919	0	%100
186	M148	Z	-1.592	-1.592	0	%100
187	M149	X	-1.619	-1.619	0	%100
188	M149	Z	-2.804	-2.804	0	%100
189	M150	X	-0.019	-0.019	0	%100
190	M150	Z	-0.033	-0.033	0	%100
191	M151	X	-0.986	-0.986	0	%100
192	M151	Z	-1.708	-1.708	0	%100
193	M152	X	-1.655	-1.655	0	%100
194	M152	Z	-2.867	-2.867	0	%100
195	M153	X	-0.15	-0.15	0	%100
196	M153	Z	-0.26	-0.26	0	%100
197	M151A	X	-1.343	-1.343	0	%100
198	M151A	Z	-2.326	-2.326	0	%100
199	M152A	X	-1.318	-1.318	0	%100
200	M152A	Z	-2.284	-2.284	0	%100
201	M153A	X	-0.398	-0.398	0	%100
202	M153A	Z	-0.69	-0.69	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	0	0	0 %100
2	M109	Z	-.746	-.746	0 %100
3	M110	X	0	0	0 %100
4	M110	Z	-.746	-.746	0 %100
5	M116	X	0	0	0 %100
6	M116	Z	-.227	-.227	0 %100
7	M117	X	0	0	0 %100
8	M117	Z	-.572	-.572	0 %100
9	M118	X	0	0	0 %100
10	M118	Z	-.227	-.227	0 %100
11	M124	X	0	0	0 %100
12	M124	Z	-.602	-.602	0 %100
13	M125	X	0	0	0 %100
14	M125	Z	-.04	-.04	0 %100
15	M126	X	0	0	0 %100
16	M126	Z	-.04	-.04	0 %100
17	M127	X	0	0	0 %100
18	M127	Z	-.485	-.485	0 %100
19	M128	X	0	0	0 %100
20	M128	Z	-.485	-.485	0 %100
21	MP1A	X	0	0	0 %100
22	MP1A	Z	-.616	-.616	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	-.227	-.227	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	-.572	-.572	0 %100
27	M20	X	0	0	0 %100
28	M20	Z	-.227	-.227	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	-.237	-.237	0 %100
31	M22	X	0	0	0 %100
32	M22	Z	-.007	-.007	0 %100
33	M21A	X	0	0	0 %100
34	M21A	Z	-.237	-.237	0 %100
35	M23	X	0	0	0 %100
36	M23	Z	-.007	-.007	0 %100
37	M23A	X	0	0	0 %100
38	M23A	Z	-.419	-.419	0 %100
39	M24	X	0	0	0 %100
40	M24	Z	-.085	-.085	0 %100
41	M25	X	0	0	0 %100
42	M25	Z	-.485	-.485	0 %100
43	M26	X	0	0	0 %100
44	M26	Z	-.485	-.485	0 %100
45	M27	X	0	0	0 %100
46	M27	Z	-.485	-.485	0 %100
47	M28	X	0	0	0 %100
48	M28	Z	-.485	-.485	0 %100
49	M29	X	0	0	0 %100
50	M29	Z	-.485	-.485	0 %100
51	MP2A	X	0	0	0 %100
52	MP2A	Z	-.616	-.616	0 %100
53	MP3A	X	0	0	0 %100
54	MP3A	Z	-.616	-.616	0 %100
55	M161	X	0	0	0 %100
56	M161	Z	-.658	-.658	0 %100
57	M162	X	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	-.658	-.658	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	-.062	-.062	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	-.505	-.505	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	-.419	-.419	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	-.602	-.602	0	%100
67	M169	X	0	0	0	%100
68	M169	Z	-.204	-.204	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	-.204	-.204	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	-.485	-.485	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-.485	-.485	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-.616	-.616	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	-.062	-.062	0	%100
79	M177	X	0	0	0	%100
80	M177	Z	-.505	-.505	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	-.419	-.419	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	-.68	-.68	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	-.033	-.033	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	-.68	-.68	0	%100
89	M182	X	0	0	0	%100
90	M182	Z	-.033	-.033	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	-.419	-.419	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	-.098	-.098	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	-.485	-.485	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	-.485	-.485	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	-.485	-.485	0	%100
101	M188	X	0	0	0	%100
102	M188	Z	-.485	-.485	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	-.485	-.485	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	-.616	-.616	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	-.616	-.616	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	-.022	-.022	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	-.022	-.022	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	-.432	-.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
115	M204	X	0	0	0	%100
116	M204	Z	-.017	-.017	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	-.241	-.241	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	-.602	-.602	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	-.575	-.575	0	%100
123	M210	X	0	0	0	%100
124	M210	Z	-.575	-.575	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	-.485	-.485	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	-.485	-.485	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	-.616	-.616	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	-.432	-.432	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	-.017	-.017	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	-.241	-.241	0	%100
137	M219	X	0	0	0	%100
138	M219	Z	-1.765	-1.765	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	-.094	-.094	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	-1.765	-1.765	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	-.094	-.094	0	%100
145	M223	X	0	0	0	%100
146	M223	Z	-.419	-.419	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	-.128	-.128	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	-.485	-.485	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	-.485	-.485	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	-.485	-.485	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	-.485	-.485	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	-.485	-.485	0	%100
159	MP2C	X	0	0	0	%100
160	MP2C	Z	-.616	-.616	0	%100
161	MP3C	X	0	0	0	%100
162	MP3C	Z	-.616	-.616	0	%100
163	M121	X	0	0	0	%100
164	M121	Z	-.029	-.029	0	%100
165	M122A	X	0	0	0	%100
166	M122A	Z	-.331	-.331	0	%100
167	M123A	X	0	0	0	%100
168	M123A	Z	-.549	-.549	0	%100
169	M124A	X	0	0	0	%100
170	M124A	Z	-.029	-.029	0	%100
171	M125A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
172	M125A	Z	-.331	-.331	0 %100
173	M126A	X	0	0	0 %100
174	M126A	Z	-.549	-.549	0 %100
175	OVP1	X	0	0	0 %100
176	OVP1	Z	-.616	-.616	0 %100
177	OVP2	X	0	0	0 %100
178	OVP2	Z	-.616	-.616	0 %100
179	M133	X	0	0	0 %100
180	M133	Z	-.84	-.84	0 %100
181	M137	X	0	0	0 %100
182	M137	Z	-.741	-.741	0 %100
183	M141	X	0	0	0 %100
184	M141	Z	-.025	-.025	0 %100
185	M148	X	0	0	0 %100
186	M148	Z	-.049	-.049	0 %100
187	M149	X	0	0	0 %100
188	M149	Z	-.71	-.71	0 %100
189	M150	X	0	0	0 %100
190	M150	Z	-.252	-.252	0 %100
191	M151	X	0	0	0 %100
192	M151	Z	-.598	-.598	0 %100
193	M152	X	0	0	0 %100
194	M152	Z	-.396	-.396	0 %100
195	M153	X	0	0	0 %100
196	M153	Z	-.029	-.029	0 %100
197	M151A	X	0	0	0 %100
198	M151A	Z	-.476	-.476	0 %100
199	M152A	X	0	0	0 %100
200	M152A	Z	-.48	-.48	0 %100
201	M153A	X	0	0	0 %100
202	M153A	Z	-.000131	-.000131	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...End Location[ft...
1	M109	X	.28	.28	0 %100
2	M109	Z	-.484	-.484	0 %100
3	M110	X	.28	.28	0 %100
4	M110	Z	-.484	-.484	0 %100
5	M116	X	.007	.007	0 %100
6	M116	Z	-.013	-.013	0 %100
7	M117	X	.214	.214	0 %100
8	M117	Z	-.371	-.371	0 %100
9	M118	X	.248	.248	0 %100
10	M118	Z	-.43	-.43	0 %100
11	M124	X	.301	.301	0 %100
12	M124	Z	-.522	-.522	0 %100
13	M125	X	.02	.02	0 %100
14	M125	Z	-.034	-.034	0 %100
15	M126	X	.02	.02	0 %100
16	M126	Z	-.034	-.034	0 %100
17	M127	X	.242	.242	0 %100
18	M127	Z	-.42	-.42	0 %100
19	M128	X	.242	.242	0 %100
20	M128	Z	-.42	-.42	0 %100
21	MP1A	X	.308	.308	0 %100
22	MP1A	Z	-.533	-.533	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
23	M18	X	.007	.007	0	%100
24	M18	Z	-.013	-.013	0	%100
25	M19	X	.214	.214	0	%100
26	M19	Z	-.371	-.371	0	%100
27	M20	X	.248	.248	0	%100
28	M20	Z	-.43	-.43	0	%100
29	M21	X	.118	.118	0	%100
30	M21	Z	-.205	-.205	0	%100
31	M22	X	.003	.003	0	%100
32	M22	Z	-.006	-.006	0	%100
33	M21A	X	.118	.118	0	%100
34	M21A	Z	-.205	-.205	0	%100
35	M23	X	.003	.003	0	%100
36	M23	Z	-.006	-.006	0	%100
37	M23A	X	.209	.209	0	%100
38	M23A	Z	-.362	-.362	0	%100
39	M24	X	.042	.042	0	%100
40	M24	Z	-.073	-.073	0	%100
41	M25	X	.242	.242	0	%100
42	M25	Z	-.42	-.42	0	%100
43	M26	X	.242	.242	0	%100
44	M26	Z	-.42	-.42	0	%100
45	M27	X	.242	.242	0	%100
46	M27	Z	-.42	-.42	0	%100
47	M28	X	.242	.242	0	%100
48	M28	Z	-.42	-.42	0	%100
49	M29	X	.242	.242	0	%100
50	M29	Z	-.42	-.42	0	%100
51	MP2A	X	.308	.308	0	%100
52	MP2A	Z	-.533	-.533	0	%100
53	MP3A	X	.308	.308	0	%100
54	MP3A	Z	-.533	-.533	0	%100
55	M161	X	.154	.154	0	%100
56	M161	Z	-.267	-.267	0	%100
57	M162	X	.154	.154	0	%100
58	M162	Z	-.267	-.267	0	%100
59	M163	X	.01	.01	0	%100
60	M163	Z	-.017	-.017	0	%100
61	M164	X	.118	.118	0	%100
62	M164	Z	-.205	-.205	0	%100
63	M165	X	.284	.284	0	%100
64	M165	Z	-.491	-.491	0	%100
65	M168	X	.301	.301	0	%100
66	M168	Z	-.522	-.522	0	%100
67	M169	X	.247	.247	0	%100
68	M169	Z	-.428	-.428	0	%100
69	M170	X	.247	.247	0	%100
70	M170	Z	-.428	-.428	0	%100
71	M171	X	.242	.242	0	%100
72	M171	Z	-.42	-.42	0	%100
73	M172	X	.242	.242	0	%100
74	M172	Z	-.42	-.42	0	%100
75	MP1B	X	.308	.308	0	%100
76	MP1B	Z	-.533	-.533	0	%100
77	M176	X	.01	.01	0	%100
78	M176	Z	-.017	-.017	0	%100
79	M177	X	.118	.118	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
80	M177	Z	-.205	-.205	0	%100
81	M178	X	.284	.284	0	%100
82	M178	Z	-.491	-.491	0	%100
83	M179	X	.757	.757	0	%100
84	M179	Z	-1.311	-1.311	0	%100
85	M180	X	.041	.041	0	%100
86	M180	Z	-.07	-.07	0	%100
87	M181	X	.757	.757	0	%100
88	M181	Z	-1.311	-1.311	0	%100
89	M182	X	.041	.041	0	%100
90	M182	Z	-.07	-.07	0	%100
91	M183	X	.209	.209	0	%100
92	M183	Z	-.362	-.362	0	%100
93	M184	X	.061	.061	0	%100
94	M184	Z	-.105	-.105	0	%100
95	M185	X	.242	.242	0	%100
96	M185	Z	-.42	-.42	0	%100
97	M186	X	.242	.242	0	%100
98	M186	Z	-.42	-.42	0	%100
99	M187	X	.242	.242	0	%100
100	M187	Z	-.42	-.42	0	%100
101	M188	X	.242	.242	0	%100
102	M188	Z	-.42	-.42	0	%100
103	M189	X	.242	.242	0	%100
104	M189	Z	-.42	-.42	0	%100
105	MP2B	X	.308	.308	0	%100
106	MP2B	Z	-.533	-.533	0	%100
107	MP3B	X	.308	.308	0	%100
108	MP3B	Z	-.533	-.533	0	%100
109	M201	X	.154	.154	0	%100
110	M201	Z	-.267	-.267	0	%100
111	M202	X	.154	.154	0	%100
112	M202	Z	-.267	-.267	0	%100
113	M203	X	.284	.284	0	%100
114	M203	Z	-.491	-.491	0	%100
115	M204	X	.118	.118	0	%100
116	M204	Z	-.205	-.205	0	%100
117	M205	X	.01	.01	0	%100
118	M205	Z	-.017	-.017	0	%100
119	M208	X	.301	.301	0	%100
120	M208	Z	-.522	-.522	0	%100
121	M209	X	.174	.174	0	%100
122	M209	Z	-.301	-.301	0	%100
123	M210	X	.174	.174	0	%100
124	M210	Z	-.301	-.301	0	%100
125	M211	X	.242	.242	0	%100
126	M211	Z	-.42	-.42	0	%100
127	M212	X	.242	.242	0	%100
128	M212	Z	-.42	-.42	0	%100
129	MP1C	X	.308	.308	0	%100
130	MP1C	Z	-.533	-.533	0	%100
131	M216	X	.284	.284	0	%100
132	M216	Z	-.491	-.491	0	%100
133	M217	X	.118	.118	0	%100
134	M217	Z	-.205	-.205	0	%100
135	M218	X	.01	.01	0	%100
136	M218	Z	-.017	-.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	.558	.558	0	%100
138	M219	Z	-.967	-.967	0	%100
139	M220	X	.029	.029	0	%100
140	M220	Z	-.049	-.049	0	%100
141	M221	X	.558	.558	0	%100
142	M221	Z	-.967	-.967	0	%100
143	M222	X	.029	.029	0	%100
144	M222	Z	-.049	-.049	0	%100
145	M223	X	.209	.209	0	%100
146	M223	Z	-.362	-.362	0	%100
147	M224	X	.055	.055	0	%100
148	M224	Z	-.095	-.095	0	%100
149	M225	X	.242	.242	0	%100
150	M225	Z	-.42	-.42	0	%100
151	M226	X	.242	.242	0	%100
152	M226	Z	-.42	-.42	0	%100
153	M227	X	.242	.242	0	%100
154	M227	Z	-.42	-.42	0	%100
155	M228	X	.242	.242	0	%100
156	M228	Z	-.42	-.42	0	%100
157	M229	X	.242	.242	0	%100
158	M229	Z	-.42	-.42	0	%100
159	MP2C	X	.308	.308	0	%100
160	MP2C	Z	-.533	-.533	0	%100
161	MP3C	X	.308	.308	0	%100
162	MP3C	Z	-.533	-.533	0	%100
163	M121	X	.141	.141	0	%100
164	M121	Z	-.245	-.245	0	%100
165	M122A	X	.027	.027	0	%100
166	M122A	Z	-.046	-.046	0	%100
167	M123A	X	.297	.297	0	%100
168	M123A	Z	-.515	-.515	0	%100
169	M124A	X	.141	.141	0	%100
170	M124A	Z	-.245	-.245	0	%100
171	M125A	X	.027	.027	0	%100
172	M125A	Z	-.046	-.046	0	%100
173	M126A	X	.297	.297	0	%100
174	M126A	Z	-.515	-.515	0	%100
175	OVP1	X	.308	.308	0	%100
176	OVP1	Z	-.533	-.533	0	%100
177	OVP2	X	.308	.308	0	%100
178	OVP2	Z	-.533	-.533	0	%100
179	M133	X	.315	.315	0	%100
180	M133	Z	-.545	-.545	0	%100
181	M137	X	.173	.173	0	%100
182	M137	Z	-.3	-.3	0	%100
183	M141	X	.173	.173	0	%100
184	M141	Z	-.3	-.3	0	%100
185	M148	X	.025	.025	0	%100
186	M148	Z	-.043	-.043	0	%100
187	M149	X	.215	.215	0	%100
188	M149	Z	-.372	-.372	0	%100
189	M150	X	.306	.306	0	%100
190	M150	Z	-.529	-.529	0	%100
191	M151	X	.272	.272	0	%100
192	M151	Z	-.471	-.471	0	%100
193	M152	X	.048	.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
194	M152	Z	-.083	-.083	0	%100
195	M153	X	.141	.141	0	%100
196	M153	Z	-.244	-.244	0	%100
197	M151A	X	.141	.141	0	%100
198	M151A	Z	-.245	-.245	0	%100
199	M152A	X	.148	.148	0	%100
200	M152A	Z	-.256	-.256	0	%100
201	M153A	X	.058	.058	0	%100
202	M153A	Z	-.101	-.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft....]
1	M109	X	.161	.161	0	%100
2	M109	Z	-.093	-.093	0	%100
3	M110	X	.161	.161	0	%100
4	M110	Z	-.093	-.093	0	%100
5	M116	X	.061	.061	0	%100
6	M116	Z	-.035	-.035	0	%100
7	M117	X	.124	.124	0	%100
8	M117	Z	-.071	-.071	0	%100
9	M118	X	.478	.478	0	%100
10	M118	Z	-.276	-.276	0	%100
11	M124	X	.522	.522	0	%100
12	M124	Z	-.301	-.301	0	%100
13	M125	X	.257	.257	0	%100
14	M125	Z	-.148	-.148	0	%100
15	M126	X	.257	.257	0	%100
16	M126	Z	-.148	-.148	0	%100
17	M127	X	.42	.42	0	%100
18	M127	Z	-.242	-.242	0	%100
19	M128	X	.42	.42	0	%100
20	M128	Z	-.242	-.242	0	%100
21	MP1A	X	.533	.533	0	%100
22	MP1A	Z	-.308	-.308	0	%100
23	M18	X	.061	.061	0	%100
24	M18	Z	-.035	-.035	0	%100
25	M19	X	.124	.124	0	%100
26	M19	Z	-.071	-.071	0	%100
27	M20	X	.478	.478	0	%100
28	M20	Z	-.276	-.276	0	%100
29	M21	X	.84	.84	0	%100
30	M21	Z	-.485	-.485	0	%100
31	M22	X	.042	.042	0	%100
32	M22	Z	-.024	-.024	0	%100
33	M21A	X	.84	.84	0	%100
34	M21A	Z	-.485	-.485	0	%100
35	M23	X	.042	.042	0	%100
36	M23	Z	-.024	-.024	0	%100
37	M23A	X	.362	.362	0	%100
38	M23A	Z	-.209	-.209	0	%100
39	M24	X	.091	.091	0	%100
40	M24	Z	-.053	-.053	0	%100
41	M25	X	.42	.42	0	%100
42	M25	Z	-.242	-.242	0	%100
43	M26	X	.42	.42	0	%100
44	M26	Z	-.242	-.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
45	M27	X	.42	.42	0	%100
46	M27	Z	-.242	-.242	0	%100
47	M28	X	.42	.42	0	%100
48	M28	Z	-.242	-.242	0	%100
49	M29	X	.42	.42	0	%100
50	M29	Z	-.242	-.242	0	%100
51	MP2A	X	.533	.533	0	%100
52	MP2A	Z	-.308	-.308	0	%100
53	MP3A	X	.533	.533	0	%100
54	MP3A	Z	-.308	-.308	0	%100
55	M161	X	.019	.019	0	%100
56	M161	Z	-.011	-.011	0	%100
57	M162	X	.019	.019	0	%100
58	M162	Z	-.011	-.011	0	%100
59	M163	X	.209	.209	0	%100
60	M163	Z	-.121	-.121	0	%100
61	M164	X	.015	.015	0	%100
62	M164	Z	-.009	-.009	0	%100
63	M165	X	.374	.374	0	%100
64	M165	Z	-.216	-.216	0	%100
65	M168	X	.522	.522	0	%100
66	M168	Z	-.301	-.301	0	%100
67	M169	X	.508	.508	0	%100
68	M169	Z	-.293	-.293	0	%100
69	M170	X	.508	.508	0	%100
70	M170	Z	-.293	-.293	0	%100
71	M171	X	.42	.42	0	%100
72	M171	Z	-.242	-.242	0	%100
73	M172	X	.42	.42	0	%100
74	M172	Z	-.242	-.242	0	%100
75	MP1B	X	.533	.533	0	%100
76	MP1B	Z	-.308	-.308	0	%100
77	M176	X	.209	.209	0	%100
78	M176	Z	-.121	-.121	0	%100
79	M177	X	.015	.015	0	%100
80	M177	Z	-.009	-.009	0	%100
81	M178	X	.374	.374	0	%100
82	M178	Z	-.216	-.216	0	%100
83	M179	X	1.561	1.561	0	%100
84	M179	Z	-.901	-.901	0	%100
85	M180	X	.083	.083	0	%100
86	M180	Z	-.048	-.048	0	%100
87	M181	X	1.561	1.561	0	%100
88	M181	Z	-.901	-.901	0	%100
89	M182	X	.083	.083	0	%100
90	M182	Z	-.048	-.048	0	%100
91	M183	X	.362	.362	0	%100
92	M183	Z	-.209	-.209	0	%100
93	M184	X	.112	.112	0	%100
94	M184	Z	-.065	-.065	0	%100
95	M185	X	.42	.42	0	%100
96	M185	Z	-.242	-.242	0	%100
97	M186	X	.42	.42	0	%100
98	M186	Z	-.242	-.242	0	%100
99	M187	X	.42	.42	0	%100
100	M187	Z	-.242	-.242	0	%100
101	M188	X	.42	.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
102	M188	Z	-.242	-.242	0	%100
103	M189	X	.42	.42	0	%100
104	M189	Z	-.242	-.242	0	%100
105	MP2B	X	.533	.533	0	%100
106	MP2B	Z	-.308	-.308	0	%100
107	MP3B	X	.533	.533	0	%100
108	MP3B	Z	-.308	-.308	0	%100
109	M201	X	.57	.57	0	%100
110	M201	Z	-.329	-.329	0	%100
111	M202	X	.57	.57	0	%100
112	M202	Z	-.329	-.329	0	%100
113	M203	X	.363	.363	0	%100
114	M203	Z	-.21	-.21	0	%100
115	M204	X	.437	.437	0	%100
116	M204	Z	-.252	-.252	0	%100
117	M205	X	.054	.054	0	%100
118	M205	Z	-.031	-.031	0	%100
119	M208	X	.522	.522	0	%100
120	M208	Z	-.301	-.301	0	%100
121	M209	X	.06	.06	0	%100
122	M209	Z	-.035	-.035	0	%100
123	M210	X	.06	.06	0	%100
124	M210	Z	-.035	-.035	0	%100
125	M211	X	.42	.42	0	%100
126	M211	Z	-.242	-.242	0	%100
127	M212	X	.42	.42	0	%100
128	M212	Z	-.242	-.242	0	%100
129	MP1C	X	.533	.533	0	%100
130	MP1C	Z	-.308	-.308	0	%100
131	M216	X	.363	.363	0	%100
132	M216	Z	-.21	-.21	0	%100
133	M217	X	.437	.437	0	%100
134	M217	Z	-.252	-.252	0	%100
135	M218	X	.054	.054	0	%100
136	M218	Z	-.031	-.031	0	%100
137	M219	X	.278	.278	0	%100
138	M219	Z	-.161	-.161	0	%100
139	M220	X	.01	.01	0	%100
140	M220	Z	-.006	-.006	0	%100
141	M221	X	.278	.278	0	%100
142	M221	Z	-.161	-.161	0	%100
143	M222	X	.01	.01	0	%100
144	M222	Z	-.006	-.006	0	%100
145	M223	X	.362	.362	0	%100
146	M223	Z	-.209	-.209	0	%100
147	M224	X	.075	.075	0	%100
148	M224	Z	-.044	-.044	0	%100
149	M225	X	.42	.42	0	%100
150	M225	Z	-.242	-.242	0	%100
151	M226	X	.42	.42	0	%100
152	M226	Z	-.242	-.242	0	%100
153	M227	X	.42	.42	0	%100
154	M227	Z	-.242	-.242	0	%100
155	M228	X	.42	.42	0	%100
156	M228	Z	-.242	-.242	0	%100
157	M229	X	.42	.42	0	%100
158	M229	Z	-.242	-.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
159	MP2C	X	.533	.533	0	%100
160	MP2C	Z	-.308	-.308	0	%100
161	MP3C	X	.533	.533	0	%100
162	MP3C	Z	-.308	-.308	0	%100
163	M121	X	.486	.486	0	%100
164	M121	Z	-.281	-.281	0	%100
165	M122A	X	.027	.027	0	%100
166	M122A	Z	-.015	-.015	0	%100
167	M123A	X	.307	.307	0	%100
168	M123A	Z	-.177	-.177	0	%100
169	M124A	X	.486	.486	0	%100
170	M124A	Z	-.281	-.281	0	%100
171	M125A	X	.027	.027	0	%100
172	M125A	Z	-.015	-.015	0	%100
173	M126A	X	.307	.307	0	%100
174	M126A	Z	-.177	-.177	0	%100
175	OVP1	X	.533	.533	0	%100
176	OVP1	Z	-.308	-.308	0	%100
177	OVP2	X	.533	.533	0	%100
178	OVP2	Z	-.308	-.308	0	%100
179	M133	X	.182	.182	0	%100
180	M133	Z	-.105	-.105	0	%100
181	M137	X	.022	.022	0	%100
182	M137	Z	-.013	-.013	0	%100
183	M141	X	.642	.642	0	%100
184	M141	Z	-.371	-.371	0	%100
185	M148	X	.318	.318	0	%100
186	M148	Z	-.183	-.183	0	%100
187	M149	X	.074	.074	0	%100
188	M149	Z	-.043	-.043	0	%100
189	M150	X	.629	.629	0	%100
190	M150	Z	-.363	-.363	0	%100
191	M151	X	.22	.22	0	%100
192	M151	Z	-.127	-.127	0	%100
193	M152	X	.007	.007	0	%100
194	M152	Z	-.004	-.004	0	%100
195	M153	X	.486	.486	0	%100
196	M153	Z	-.28	-.28	0	%100
197	M151A	X	.046	.046	0	%100
198	M151A	Z	-.027	-.027	0	%100
199	M152A	X	.053	.053	0	%100
200	M152A	Z	-.031	-.031	0	%100
201	M153A	X	.314	.314	0	%100
202	M153A	Z	-.181	-.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	M116	X	.34	.34	0	%100
6	M116	Z	0	0	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	0	0	0	%100
9	M118	X	.34	.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	0	0	0	%100
11	M124	X	.602	.602	0	%100
12	M124	Z	0	0	0	%100
13	M125	X	.553	.553	0	%100
14	M125	Z	0	0	0	%100
15	M126	X	.553	.553	0	%100
16	M126	Z	0	0	0	%100
17	M127	X	.485	.485	0	%100
18	M127	Z	0	0	0	%100
19	M128	X	.485	.485	0	%100
20	M128	Z	0	0	0	%100
21	MP1A	X	.616	.616	0	%100
22	MP1A	Z	0	0	0	%100
23	M18	X	.34	.34	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20	X	.34	.34	0	%100
28	M20	Z	0	0	0	%100
29	M21	X	1.702	1.702	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	.091	.091	0	%100
32	M22	Z	0	0	0	%100
33	M21A	X	1.702	1.702	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	.091	.091	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	.419	.419	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	.126	.126	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	.485	.485	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	.485	.485	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	.485	.485	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	.485	.485	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	.485	.485	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	.616	.616	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	.616	.616	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	.087	.087	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	.087	.087	0	%100
58	M162	Z	0	0	0	%100
59	M163	X	.505	.505	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	.067	.067	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	.148	.148	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	.602	.602	0	%100
66	M168	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
67	M169	X	.389	.389	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	.389	.389	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	.485	.485	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	.485	.485	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	.616	.616	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	.505	.505	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	.067	.067	0	%100
80	M177	Z	0	0	0	%100
81	M178	X	.148	.148	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	1.259	1.259	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	.064	.064	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	1.259	1.259	0	%100
88	M181	Z	0	0	0	%100
89	M182	X	.064	.064	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	.419	.419	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	.113	.113	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	.485	.485	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	.485	.485	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	.485	.485	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	.485	.485	0	%100
102	M188	Z	0	0	0	%100
103	M189	X	.485	.485	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	.616	.616	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	.616	.616	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	.723	.723	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	.723	.723	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	.136	.136	0	%100
114	M203	Z	0	0	0	%100
115	M204	X	.554	.554	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	.326	.326	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	.602	.602	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	.018	.018	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	.018	.018	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
124	M210	Z	0	0	0	%100
125	M211	X	.485	.485	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	.485	.485	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	.616	.616	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	.136	.136	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	.554	.554	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	.326	.326	0	%100
136	M218	Z	0	0	0	%100
137	M219	X	.174	.174	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	.003	.003	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	.174	.174	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	.003	.003	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	.419	.419	0	%100
146	M223	Z	0	0	0	%100
147	M224	X	.083	.083	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	.485	.485	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	.485	.485	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	.485	.485	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	.485	.485	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	.485	.485	0	%100
158	M229	Z	0	0	0	%100
159	MP2C	X	.616	.616	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	.616	.616	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	.587	.587	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	.285	.285	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	.067	.067	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	.587	.587	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	.285	.285	0	%100
172	M125A	Z	0	0	0	%100
173	M126A	X	.067	.067	0	%100
174	M126A	Z	0	0	0	%100
175	OVP1	X	.616	.616	0	%100
176	OVP1	Z	0	0	0	%100
177	OVP2	X	.616	.616	0	%100
178	OVP2	Z	0	0	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
181	M137	X	.098	.098	0	%100
182	M137	Z	0	0	0	%100
183	M141	X	.814	.814	0	%100
184	M141	Z	0	0	0	%100
185	M148	X	.684	.684	0	%100
186	M148	Z	0	0	0	%100
187	M149	X	.022	.022	0	%100
188	M149	Z	0	0	0	%100
189	M150	X	.482	.482	0	%100
190	M150	Z	0	0	0	%100
191	M151	X	.018	.018	0	%100
192	M151	Z	0	0	0	%100
193	M152	X	.22	.22	0	%100
194	M152	Z	0	0	0	%100
195	M153	X	.587	.587	0	%100
196	M153	Z	0	0	0	%100
197	M151A	X	.017	.017	0	%100
198	M151A	Z	0	0	0	%100
199	M152A	X	.013	.013	0	%100
200	M152A	Z	0	0	0	%100
201	M153A	X	.493	.493	0	%100
202	M153A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	.161	.161	0	%100
2	M109	Z	.093	.093	0	%100
3	M110	X	.161	.161	0	%100
4	M110	Z	.093	.093	0	%100
5	M116	X	.478	.478	0	%100
6	M116	Z	.276	.276	0	%100
7	M117	X	.124	.124	0	%100
8	M117	Z	.071	.071	0	%100
9	M118	X	.061	.061	0	%100
10	M118	Z	.035	.035	0	%100
11	M124	X	.522	.522	0	%100
12	M124	Z	.301	.301	0	%100
13	M125	X	.479	.479	0	%100
14	M125	Z	.276	.276	0	%100
15	M126	X	.479	.479	0	%100
16	M126	Z	.276	.276	0	%100
17	M127	X	.42	.42	0	%100
18	M127	Z	.242	.242	0	%100
19	M128	X	.42	.42	0	%100
20	M128	Z	.242	.242	0	%100
21	MP1A	X	.533	.533	0	%100
22	MP1A	Z	.308	.308	0	%100
23	M18	X	.478	.478	0	%100
24	M18	Z	.276	.276	0	%100
25	M19	X	.124	.124	0	%100
26	M19	Z	.071	.071	0	%100
27	M20	X	.061	.061	0	%100
28	M20	Z	.035	.035	0	%100
29	M21	X	1.474	1.474	0	%100
30	M21	Z	.851	.851	0	%100
31	M22	X	.079	.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	.045	.045	0	%100
33	M21A	X	1.474	1.474	0	%100
34	M21A	Z	.851	.851	0	%100
35	M23	X	.079	.079	0	%100
36	M23	Z	.045	.045	0	%100
37	M23A	X	.362	.362	0	%100
38	M23A	Z	.209	.209	0	%100
39	M24	X	.11	.11	0	%100
40	M24	Z	.063	.063	0	%100
41	M25	X	.42	.42	0	%100
42	M25	Z	.242	.242	0	%100
43	M26	X	.42	.42	0	%100
44	M26	Z	.242	.242	0	%100
45	M27	X	.42	.42	0	%100
46	M27	Z	.242	.242	0	%100
47	M28	X	.42	.42	0	%100
48	M28	Z	.242	.242	0	%100
49	M29	X	.42	.42	0	%100
50	M29	Z	.242	.242	0	%100
51	MP2A	X	.533	.533	0	%100
52	MP2A	Z	.308	.308	0	%100
53	MP3A	X	.533	.533	0	%100
54	MP3A	Z	.308	.308	0	%100
55	M161	X	.379	.379	0	%100
56	M161	Z	.219	.219	0	%100
57	M162	X	.379	.379	0	%100
58	M162	Z	.219	.219	0	%100
59	M163	X	.474	.474	0	%100
60	M163	Z	.274	.274	0	%100
61	M164	X	.29	.29	0	%100
62	M164	Z	.168	.168	0	%100
63	M165	X	7.6e-5	7.6e-5	0	%100
64	M165	Z	4.4e-5	4.4e-5	0	%100
65	M168	X	.522	.522	0	%100
66	M168	Z	.301	.301	0	%100
67	M169	X	.086	.086	0	%100
68	M169	Z	.049	.049	0	%100
69	M170	X	.086	.086	0	%100
70	M170	Z	.049	.049	0	%100
71	M171	X	.42	.42	0	%100
72	M171	Z	.242	.242	0	%100
73	M172	X	.42	.42	0	%100
74	M172	Z	.242	.242	0	%100
75	MP1B	X	.533	.533	0	%100
76	MP1B	Z	.308	.308	0	%100
77	M176	X	.474	.474	0	%100
78	M176	Z	.274	.274	0	%100
79	M177	X	.29	.29	0	%100
80	M177	Z	.168	.168	0	%100
81	M178	X	7.6e-5	7.6e-5	0	%100
82	M178	Z	4.4e-5	4.4e-5	0	%100
83	M179	X	.369	.369	0	%100
84	M179	Z	.213	.213	0	%100
85	M180	X	.014	.014	0	%100
86	M180	Z	.008	.008	0	%100
87	M181	X	.369	.369	0	%100
88	M181	Z	.213	.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
89	M182	X	.014	.014	0	%100
90	M182	Z	.008	.008	0	%100
91	M183	X	.362	.362	0	%100
92	M183	Z	.209	.209	0	%100
93	M184	X	.078	.078	0	%100
94	M184	Z	.045	.045	0	%100
95	M185	X	.42	.42	0	%100
96	M185	Z	.242	.242	0	%100
97	M186	X	.42	.42	0	%100
98	M186	Z	.242	.242	0	%100
99	M187	X	.42	.42	0	%100
100	M187	Z	.242	.242	0	%100
101	M188	X	.42	.42	0	%100
102	M188	Z	.242	.242	0	%100
103	M189	X	.42	.42	0	%100
104	M189	Z	.242	.242	0	%100
105	MP2B	X	.533	.533	0	%100
106	MP2B	Z	.308	.308	0	%100
107	MP3B	X	.533	.533	0	%100
108	MP3B	Z	.308	.308	0	%100
109	M201	X	.379	.379	0	%100
110	M201	Z	.219	.219	0	%100
111	M202	X	.379	.379	0	%100
112	M202	Z	.219	.219	0	%100
113	M203	X	7.6e-5	7.6e-5	0	%100
114	M203	Z	4.4e-5	4.4e-5	0	%100
115	M204	X	.29	.29	0	%100
116	M204	Z	.168	.168	0	%100
117	M205	X	.474	.474	0	%100
118	M205	Z	.274	.274	0	%100
119	M208	X	.522	.522	0	%100
120	M208	Z	.301	.301	0	%100
121	M209	X	.212	.212	0	%100
122	M209	Z	.122	.122	0	%100
123	M210	X	.212	.212	0	%100
124	M210	Z	.122	.122	0	%100
125	M211	X	.42	.42	0	%100
126	M211	Z	.242	.242	0	%100
127	M212	X	.42	.42	0	%100
128	M212	Z	.242	.242	0	%100
129	MP1C	X	.533	.533	0	%100
130	MP1C	Z	.308	.308	0	%100
131	M216	X	7.6e-5	7.6e-5	0	%100
132	M216	Z	4.4e-5	4.4e-5	0	%100
133	M217	X	.29	.29	0	%100
134	M217	Z	.168	.168	0	%100
135	M218	X	.474	.474	0	%100
136	M218	Z	.274	.274	0	%100
137	M219	X	.712	.712	0	%100
138	M219	Z	.411	.411	0	%100
139	M220	X	.035	.035	0	%100
140	M220	Z	.02	.02	0	%100
141	M221	X	.712	.712	0	%100
142	M221	Z	.411	.411	0	%100
143	M222	X	.035	.035	0	%100
144	M222	Z	.02	.02	0	%100
145	M223	X	.362	.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	.209	.209	0	%100
147	M224	X	.088	.088	0	%100
148	M224	Z	.051	.051	0	%100
149	M225	X	.42	.42	0	%100
150	M225	Z	.242	.242	0	%100
151	M226	X	.42	.42	0	%100
152	M226	Z	.242	.242	0	%100
153	M227	X	.42	.42	0	%100
154	M227	Z	.242	.242	0	%100
155	M228	X	.42	.42	0	%100
156	M228	Z	.242	.242	0	%100
157	M229	X	.42	.42	0	%100
158	M229	Z	.242	.242	0	%100
159	MP2C	X	.533	.533	0	%100
160	MP2C	Z	.308	.308	0	%100
161	MP3C	X	.533	.533	0	%100
162	MP3C	Z	.308	.308	0	%100
163	M121	X	.289	.289	0	%100
164	M121	Z	.167	.167	0	%100
165	M122A	X	.487	.487	0	%100
166	M122A	Z	.281	.281	0	%100
167	M123A	X	.018	.018	0	%100
168	M123A	Z	.011	.011	0	%100
169	M124A	X	.289	.289	0	%100
170	M124A	Z	.167	.167	0	%100
171	M125A	X	.487	.487	0	%100
172	M125A	Z	.281	.281	0	%100
173	M126A	X	.018	.018	0	%100
174	M126A	Z	.011	.011	0	%100
175	OVP1	X	.533	.533	0	%100
176	OVP1	Z	.308	.308	0	%100
177	OVP2	X	.533	.533	0	%100
178	OVP2	Z	.308	.308	0	%100
179	M133	X	.182	.182	0	%100
180	M133	Z	.105	.105	0	%100
181	M137	X	.427	.427	0	%100
182	M137	Z	.246	.246	0	%100
183	M141	X	.427	.427	0	%100
184	M141	Z	.246	.246	0	%100
185	M148	X	.593	.593	0	%100
186	M148	Z	.342	.342	0	%100
187	M149	X	.262	.262	0	%100
188	M149	Z	.151	.151	0	%100
189	M150	X	.106	.106	0	%100
190	M150	Z	.061	.061	0	%100
191	M151	X	.063	.063	0	%100
192	M151	Z	.036	.036	0	%100
193	M152	X	.45	.45	0	%100
194	M152	Z	.26	.26	0	%100
195	M153	X	.289	.289	0	%100
196	M153	Z	.167	.167	0	%100
197	M151A	X	.182	.182	0	%100
198	M151A	Z	.105	.105	0	%100
199	M152A	X	.171	.171	0	%100
200	M152A	Z	.099	.099	0	%100
201	M153A	X	.326	.326	0	%100
202	M153A	Z	.188	.188	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
1	M109	X	.28	.28	0	%100
2	M109	Z	.484	.484	0	%100
3	M110	X	.28	.28	0	%100
4	M110	Z	.484	.484	0	%100
5	M116	X	.248	.248	0	%100
6	M116	Z	.43	.43	0	%100
7	M117	X	.214	.214	0	%100
8	M117	Z	.371	.371	0	%100
9	M118	X	.007	.007	0	%100
10	M118	Z	.013	.013	0	%100
11	M124	X	.301	.301	0	%100
12	M124	Z	.522	.522	0	%100
13	M125	X	.148	.148	0	%100
14	M125	Z	.257	.257	0	%100
15	M126	X	.148	.148	0	%100
16	M126	Z	.257	.257	0	%100
17	M127	X	.242	.242	0	%100
18	M127	Z	.42	.42	0	%100
19	M128	X	.242	.242	0	%100
20	M128	Z	.42	.42	0	%100
21	MP1A	X	.308	.308	0	%100
22	MP1A	Z	.533	.533	0	%100
23	M18	X	.248	.248	0	%100
24	M18	Z	.43	.43	0	%100
25	M19	X	.214	.214	0	%100
26	M19	Z	.371	.371	0	%100
27	M20	X	.007	.007	0	%100
28	M20	Z	.013	.013	0	%100
29	M21	X	.485	.485	0	%100
30	M21	Z	.84	.84	0	%100
31	M22	X	.024	.024	0	%100
32	M22	Z	.042	.042	0	%100
33	M21A	X	.485	.485	0	%100
34	M21A	Z	.84	.84	0	%100
35	M23	X	.024	.024	0	%100
36	M23	Z	.042	.042	0	%100
37	M23A	X	.209	.209	0	%100
38	M23A	Z	.362	.362	0	%100
39	M24	X	.053	.053	0	%100
40	M24	Z	.091	.091	0	%100
41	M25	X	.242	.242	0	%100
42	M25	Z	.42	.42	0	%100
43	M26	X	.242	.242	0	%100
44	M26	Z	.42	.42	0	%100
45	M27	X	.242	.242	0	%100
46	M27	Z	.42	.42	0	%100
47	M28	X	.242	.242	0	%100
48	M28	Z	.42	.42	0	%100
49	M29	X	.242	.242	0	%100
50	M29	Z	.42	.42	0	%100
51	MP2A	X	.308	.308	0	%100
52	MP2A	Z	.533	.533	0	%100
53	MP3A	X	.308	.308	0	%100
54	MP3A	Z	.533	.533	0	%100
55	M161	X	.362	.362	0	%100
56	M161	Z	.626	.626	0	%100
57	M162	X	.362	.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	.626	.626	0	%100
59	M163	X	.163	.163	0	%100
60	M163	Z	.282	.282	0	%100
61	M164	X	.277	.277	0	%100
62	M164	Z	.48	.48	0	%100
63	M165	X	.068	.068	0	%100
64	M165	Z	.118	.118	0	%100
65	M168	X	.301	.301	0	%100
66	M168	Z	.522	.522	0	%100
67	M169	X	.003	.003	0	%100
68	M169	Z	.005	.005	0	%100
69	M170	X	.003	.003	0	%100
70	M170	Z	.005	.005	0	%100
71	M171	X	.242	.242	0	%100
72	M171	Z	.42	.42	0	%100
73	M172	X	.242	.242	0	%100
74	M172	Z	.42	.42	0	%100
75	MP1B	X	.308	.308	0	%100
76	MP1B	Z	.533	.533	0	%100
77	M176	X	.163	.163	0	%100
78	M176	Z	.282	.282	0	%100
79	M177	X	.277	.277	0	%100
80	M177	Z	.48	.48	0	%100
81	M178	X	.068	.068	0	%100
82	M178	Z	.118	.118	0	%100
83	M179	X	.068	.068	0	%100
84	M179	Z	.118	.118	0	%100
85	M180	X	.000511	.000511	0	%100
86	M180	Z	.000886	.000886	0	%100
87	M181	X	.068	.068	0	%100
88	M181	Z	.118	.118	0	%100
89	M182	X	.000511	.000511	0	%100
90	M182	Z	.000886	.000886	0	%100
91	M183	X	.209	.209	0	%100
92	M183	Z	.362	.362	0	%100
93	M184	X	.041	.041	0	%100
94	M184	Z	.071	.071	0	%100
95	M185	X	.242	.242	0	%100
96	M185	Z	.42	.42	0	%100
97	M186	X	.242	.242	0	%100
98	M186	Z	.42	.42	0	%100
99	M187	X	.242	.242	0	%100
100	M187	Z	.42	.42	0	%100
101	M188	X	.242	.242	0	%100
102	M188	Z	.42	.42	0	%100
103	M189	X	.242	.242	0	%100
104	M189	Z	.42	.42	0	%100
105	MP2B	X	.308	.308	0	%100
106	MP2B	Z	.533	.533	0	%100
107	MP3B	X	.308	.308	0	%100
108	MP3B	Z	.533	.533	0	%100
109	M201	X	.044	.044	0	%100
110	M201	Z	.076	.076	0	%100
111	M202	X	.044	.044	0	%100
112	M202	Z	.076	.076	0	%100
113	M203	X	.074	.074	0	%100
114	M203	Z	.128	.128	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
115	M204	X	.033	.033	0	%100
116	M204	Z	.058	.058	0	%100
117	M205	X	.253	.253	0	%100
118	M205	Z	.438	.438	0	%100
119	M208	X	.301	.301	0	%100
120	M208	Z	.522	.522	0	%100
121	M209	X	.262	.262	0	%100
122	M209	Z	.453	.453	0	%100
123	M210	X	.262	.262	0	%100
124	M210	Z	.453	.453	0	%100
125	M211	X	.242	.242	0	%100
126	M211	Z	.42	.42	0	%100
127	M212	X	.242	.242	0	%100
128	M212	Z	.42	.42	0	%100
129	MP1C	X	.308	.308	0	%100
130	MP1C	Z	.533	.533	0	%100
131	M216	X	.074	.074	0	%100
132	M216	Z	.128	.128	0	%100
133	M217	X	.033	.033	0	%100
134	M217	Z	.058	.058	0	%100
135	M218	X	.253	.253	0	%100
136	M218	Z	.438	.438	0	%100
137	M219	X	.809	.809	0	%100
138	M219	Z	1.401	1.401	0	%100
139	M220	X	.043	.043	0	%100
140	M220	Z	.074	.074	0	%100
141	M221	X	.809	.809	0	%100
142	M221	Z	1.401	1.401	0	%100
143	M222	X	.043	.043	0	%100
144	M222	Z	.074	.074	0	%100
145	M223	X	.209	.209	0	%100
146	M223	Z	.362	.362	0	%100
147	M224	X	.062	.062	0	%100
148	M224	Z	.107	.107	0	%100
149	M225	X	.242	.242	0	%100
150	M225	Z	.42	.42	0	%100
151	M226	X	.242	.242	0	%100
152	M226	Z	.42	.42	0	%100
153	M227	X	.242	.242	0	%100
154	M227	Z	.42	.42	0	%100
155	M228	X	.242	.242	0	%100
156	M228	Z	.42	.42	0	%100
157	M229	X	.242	.242	0	%100
158	M229	Z	.42	.42	0	%100
159	MP2C	X	.308	.308	0	%100
160	MP2C	Z	.533	.533	0	%100
161	MP3C	X	.308	.308	0	%100
162	MP3C	Z	.533	.533	0	%100
163	M121	X	.027	.027	0	%100
164	M121	Z	.048	.048	0	%100
165	M122A	X	.293	.293	0	%100
166	M122A	Z	.507	.507	0	%100
167	M123A	X	.131	.131	0	%100
168	M123A	Z	.227	.227	0	%100
169	M124A	X	.027	.027	0	%100
170	M124A	Z	.048	.048	0	%100
171	M125A	X	.293	.293	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
172	M125A	Z	.507	.507	0	%100
173	M126A	X	.131	.131	0	%100
174	M126A	Z	.227	.227	0	%100
175	OVP1	X	.308	.308	0	%100
176	OVP1	Z	.533	.533	0	%100
177	OVP2	X	.308	.308	0	%100
178	OVP2	Z	.533	.533	0	%100
179	M133	X	.315	.315	0	%100
180	M133	Z	.545	.545	0	%100
181	M137	X	.407	.407	0	%100
182	M137	Z	.705	.705	0	%100
183	M141	X	.049	.049	0	%100
184	M141	Z	.085	.085	0	%100
185	M148	X	.183	.183	0	%100
186	M148	Z	.318	.318	0	%100
187	M149	X	.323	.323	0	%100
188	M149	Z	.56	.56	0	%100
189	M150	X	.004	.004	0	%100
190	M150	Z	.007	.007	0	%100
191	M151	X	.181	.181	0	%100
192	M151	Z	.314	.314	0	%100
193	M152	X	.304	.304	0	%100
194	M152	Z	.526	.526	0	%100
195	M153	X	.028	.028	0	%100
196	M153	Z	.048	.048	0	%100
197	M151A	X	.22	.22	0	%100
198	M151A	Z	.38	.38	0	%100
199	M152A	X	.216	.216	0	%100
200	M152A	Z	.373	.373	0	%100
201	M153A	X	.065	.065	0	%100
202	M153A	Z	.113	.113	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
1	M109	X	0	0	0	%100
2	M109	Z	.746	.746	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	.746	.746	0	%100
5	M116	X	0	0	0	%100
6	M116	Z	.227	.227	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	.572	.572	0	%100
9	M118	X	0	0	0	%100
10	M118	Z	.227	.227	0	%100
11	M124	X	0	0	0	%100
12	M124	Z	.602	.602	0	%100
13	M125	X	0	0	0	%100
14	M125	Z	.04	.04	0	%100
15	M126	X	0	0	0	%100
16	M126	Z	.04	.04	0	%100
17	M127	X	0	0	0	%100
18	M127	Z	.485	.485	0	%100
19	M128	X	0	0	0	%100
20	M128	Z	.485	.485	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	.616	.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
23	M18	X	0	0	0	%100
24	M18	Z	.227	.227	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	.572	.572	0	%100
27	M20	X	0	0	0	%100
28	M20	Z	.227	.227	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	.237	.237	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	.007	.007	0	%100
33	M21A	X	0	0	0	%100
34	M21A	Z	.237	.237	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	.007	.007	0	%100
37	M23A	X	0	0	0	%100
38	M23A	Z	.419	.419	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	.085	.085	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.485	.485	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	.485	.485	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	.485	.485	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	.485	.485	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	.485	.485	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.616	.616	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	.616	.616	0	%100
55	M161	X	0	0	0	%100
56	M161	Z	.658	.658	0	%100
57	M162	X	0	0	0	%100
58	M162	Z	.658	.658	0	%100
59	M163	X	0	0	0	%100
60	M163	Z	.062	.062	0	%100
61	M164	X	0	0	0	%100
62	M164	Z	.505	.505	0	%100
63	M165	X	0	0	0	%100
64	M165	Z	.419	.419	0	%100
65	M168	X	0	0	0	%100
66	M168	Z	.602	.602	0	%100
67	M169	X	0	0	0	%100
68	M169	Z	.204	.204	0	%100
69	M170	X	0	0	0	%100
70	M170	Z	.204	.204	0	%100
71	M171	X	0	0	0	%100
72	M171	Z	.485	.485	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	.485	.485	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	.616	.616	0	%100
77	M176	X	0	0	0	%100
78	M176	Z	.062	.062	0	%100
79	M177	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
80	M177	Z	.505	.505	0	%100
81	M178	X	0	0	0	%100
82	M178	Z	.419	.419	0	%100
83	M179	X	0	0	0	%100
84	M179	Z	.68	.68	0	%100
85	M180	X	0	0	0	%100
86	M180	Z	.033	.033	0	%100
87	M181	X	0	0	0	%100
88	M181	Z	.68	.68	0	%100
89	M182	X	0	0	0	%100
90	M182	Z	.033	.033	0	%100
91	M183	X	0	0	0	%100
92	M183	Z	.419	.419	0	%100
93	M184	X	0	0	0	%100
94	M184	Z	.098	.098	0	%100
95	M185	X	0	0	0	%100
96	M185	Z	.485	.485	0	%100
97	M186	X	0	0	0	%100
98	M186	Z	.485	.485	0	%100
99	M187	X	0	0	0	%100
100	M187	Z	.485	.485	0	%100
101	M188	X	0	0	0	%100
102	M188	Z	.485	.485	0	%100
103	M189	X	0	0	0	%100
104	M189	Z	.485	.485	0	%100
105	MP2B	X	0	0	0	%100
106	MP2B	Z	.616	.616	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	.616	.616	0	%100
109	M201	X	0	0	0	%100
110	M201	Z	.022	.022	0	%100
111	M202	X	0	0	0	%100
112	M202	Z	.022	.022	0	%100
113	M203	X	0	0	0	%100
114	M203	Z	.432	.432	0	%100
115	M204	X	0	0	0	%100
116	M204	Z	.017	.017	0	%100
117	M205	X	0	0	0	%100
118	M205	Z	.241	.241	0	%100
119	M208	X	0	0	0	%100
120	M208	Z	.602	.602	0	%100
121	M209	X	0	0	0	%100
122	M209	Z	.575	.575	0	%100
123	M210	X	0	0	0	%100
124	M210	Z	.575	.575	0	%100
125	M211	X	0	0	0	%100
126	M211	Z	.485	.485	0	%100
127	M212	X	0	0	0	%100
128	M212	Z	.485	.485	0	%100
129	MP1C	X	0	0	0	%100
130	MP1C	Z	.616	.616	0	%100
131	M216	X	0	0	0	%100
132	M216	Z	.432	.432	0	%100
133	M217	X	0	0	0	%100
134	M217	Z	.017	.017	0	%100
135	M218	X	0	0	0	%100
136	M218	Z	.241	.241	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	0	0	0	%100
138	M219	Z	1.765	1.765	0	%100
139	M220	X	0	0	0	%100
140	M220	Z	.094	.094	0	%100
141	M221	X	0	0	0	%100
142	M221	Z	1.765	1.765	0	%100
143	M222	X	0	0	0	%100
144	M222	Z	.094	.094	0	%100
145	M223	X	0	0	0	%100
146	M223	Z	.419	.419	0	%100
147	M224	X	0	0	0	%100
148	M224	Z	.128	.128	0	%100
149	M225	X	0	0	0	%100
150	M225	Z	.485	.485	0	%100
151	M226	X	0	0	0	%100
152	M226	Z	.485	.485	0	%100
153	M227	X	0	0	0	%100
154	M227	Z	.485	.485	0	%100
155	M228	X	0	0	0	%100
156	M228	Z	.485	.485	0	%100
157	M229	X	0	0	0	%100
158	M229	Z	.485	.485	0	%100
159	MP2C	X	0	0	0	%100
160	MP2C	Z	.616	.616	0	%100
161	MP3C	X	0	0	0	%100
162	MP3C	Z	.616	.616	0	%100
163	M121	X	0	0	0	%100
164	M121	Z	.029	.029	0	%100
165	M122A	X	0	0	0	%100
166	M122A	Z	.331	.331	0	%100
167	M123A	X	0	0	0	%100
168	M123A	Z	.549	.549	0	%100
169	M124A	X	0	0	0	%100
170	M124A	Z	.029	.029	0	%100
171	M125A	X	0	0	0	%100
172	M125A	Z	.331	.331	0	%100
173	M126A	X	0	0	0	%100
174	M126A	Z	.549	.549	0	%100
175	OVP1	X	0	0	0	%100
176	OVP1	Z	.616	.616	0	%100
177	OVP2	X	0	0	0	%100
178	OVP2	Z	.616	.616	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	.84	.84	0	%100
181	M137	X	0	0	0	%100
182	M137	Z	.741	.741	0	%100
183	M141	X	0	0	0	%100
184	M141	Z	.025	.025	0	%100
185	M148	X	0	0	0	%100
186	M148	Z	.049	.049	0	%100
187	M149	X	0	0	0	%100
188	M149	Z	.71	.71	0	%100
189	M150	X	0	0	0	%100
190	M150	Z	.252	.252	0	%100
191	M151	X	0	0	0	%100
192	M151	Z	.598	.598	0	%100
193	M152	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
194	M152	Z	.396	.396	0	%100
195	M153	X	0	0	0	%100
196	M153	Z	.029	.029	0	%100
197	M151A	X	0	0	0	%100
198	M151A	Z	.476	.476	0	%100
199	M152A	X	0	0	0	%100
200	M152A	Z	.48	.48	0	%100
201	M153A	X	0	0	0	%100
202	M153A	Z	.000131	.000131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-.28	-.28	0	%100
2	M109	Z	.484	.484	0	%100
3	M110	X	-.28	-.28	0	%100
4	M110	Z	.484	.484	0	%100
5	M116	X	-.007	-.007	0	%100
6	M116	Z	.013	.013	0	%100
7	M117	X	-.214	-.214	0	%100
8	M117	Z	.371	.371	0	%100
9	M118	X	-.248	-.248	0	%100
10	M118	Z	.43	.43	0	%100
11	M124	X	-.301	-.301	0	%100
12	M124	Z	.522	.522	0	%100
13	M125	X	-.02	-.02	0	%100
14	M125	Z	.034	.034	0	%100
15	M126	X	-.02	-.02	0	%100
16	M126	Z	.034	.034	0	%100
17	M127	X	-.242	-.242	0	%100
18	M127	Z	.42	.42	0	%100
19	M128	X	-.242	-.242	0	%100
20	M128	Z	.42	.42	0	%100
21	MP1A	X	-.308	-.308	0	%100
22	MP1A	Z	.533	.533	0	%100
23	M18	X	-.007	-.007	0	%100
24	M18	Z	.013	.013	0	%100
25	M19	X	-.214	-.214	0	%100
26	M19	Z	.371	.371	0	%100
27	M20	X	-.248	-.248	0	%100
28	M20	Z	.43	.43	0	%100
29	M21	X	-.118	-.118	0	%100
30	M21	Z	.205	.205	0	%100
31	M22	X	-.003	-.003	0	%100
32	M22	Z	.006	.006	0	%100
33	M21A	X	-.118	-.118	0	%100
34	M21A	Z	.205	.205	0	%100
35	M23	X	-.003	-.003	0	%100
36	M23	Z	.006	.006	0	%100
37	M23A	X	-.209	-.209	0	%100
38	M23A	Z	.362	.362	0	%100
39	M24	X	-.042	-.042	0	%100
40	M24	Z	.073	.073	0	%100
41	M25	X	-.242	-.242	0	%100
42	M25	Z	.42	.42	0	%100
43	M26	X	-.242	-.242	0	%100
44	M26	Z	.42	.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
45	M27	X	-.242	-.242	0	%100
46	M27	Z	.42	.42	0	%100
47	M28	X	-.242	-.242	0	%100
48	M28	Z	.42	.42	0	%100
49	M29	X	-.242	-.242	0	%100
50	M29	Z	.42	.42	0	%100
51	MP2A	X	-.308	-.308	0	%100
52	MP2A	Z	.533	.533	0	%100
53	MP3A	X	-.308	-.308	0	%100
54	MP3A	Z	.533	.533	0	%100
55	M161	X	-.154	-.154	0	%100
56	M161	Z	.267	.267	0	%100
57	M162	X	-.154	-.154	0	%100
58	M162	Z	.267	.267	0	%100
59	M163	X	-.01	-.01	0	%100
60	M163	Z	.017	.017	0	%100
61	M164	X	-.118	-.118	0	%100
62	M164	Z	.205	.205	0	%100
63	M165	X	-.284	-.284	0	%100
64	M165	Z	.491	.491	0	%100
65	M168	X	-.301	-.301	0	%100
66	M168	Z	.522	.522	0	%100
67	M169	X	-.247	-.247	0	%100
68	M169	Z	.428	.428	0	%100
69	M170	X	-.247	-.247	0	%100
70	M170	Z	.428	.428	0	%100
71	M171	X	-.242	-.242	0	%100
72	M171	Z	.42	.42	0	%100
73	M172	X	-.242	-.242	0	%100
74	M172	Z	.42	.42	0	%100
75	MP1B	X	-.308	-.308	0	%100
76	MP1B	Z	.533	.533	0	%100
77	M176	X	-.01	-.01	0	%100
78	M176	Z	.017	.017	0	%100
79	M177	X	-.118	-.118	0	%100
80	M177	Z	.205	.205	0	%100
81	M178	X	-.284	-.284	0	%100
82	M178	Z	.491	.491	0	%100
83	M179	X	-.757	-.757	0	%100
84	M179	Z	1.311	1.311	0	%100
85	M180	X	-.041	-.041	0	%100
86	M180	Z	.07	.07	0	%100
87	M181	X	-.757	-.757	0	%100
88	M181	Z	1.311	1.311	0	%100
89	M182	X	-.041	-.041	0	%100
90	M182	Z	.07	.07	0	%100
91	M183	X	-.209	-.209	0	%100
92	M183	Z	.362	.362	0	%100
93	M184	X	-.061	-.061	0	%100
94	M184	Z	.105	.105	0	%100
95	M185	X	-.242	-.242	0	%100
96	M185	Z	.42	.42	0	%100
97	M186	X	-.242	-.242	0	%100
98	M186	Z	.42	.42	0	%100
99	M187	X	-.242	-.242	0	%100
100	M187	Z	.42	.42	0	%100
101	M188	X	-.242	-.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
102	M188	Z	.42	.42	0	%100
103	M189	X	-.242	-.242	0	%100
104	M189	Z	.42	.42	0	%100
105	MP2B	X	-.308	-.308	0	%100
106	MP2B	Z	.533	.533	0	%100
107	MP3B	X	-.308	-.308	0	%100
108	MP3B	Z	.533	.533	0	%100
109	M201	X	-.154	-.154	0	%100
110	M201	Z	.267	.267	0	%100
111	M202	X	-.154	-.154	0	%100
112	M202	Z	.267	.267	0	%100
113	M203	X	-.284	-.284	0	%100
114	M203	Z	.491	.491	0	%100
115	M204	X	-.118	-.118	0	%100
116	M204	Z	.205	.205	0	%100
117	M205	X	-.01	-.01	0	%100
118	M205	Z	.017	.017	0	%100
119	M208	X	-.301	-.301	0	%100
120	M208	Z	.522	.522	0	%100
121	M209	X	-.174	-.174	0	%100
122	M209	Z	.301	.301	0	%100
123	M210	X	-.174	-.174	0	%100
124	M210	Z	.301	.301	0	%100
125	M211	X	-.242	-.242	0	%100
126	M211	Z	.42	.42	0	%100
127	M212	X	-.242	-.242	0	%100
128	M212	Z	.42	.42	0	%100
129	MP1C	X	-.308	-.308	0	%100
130	MP1C	Z	.533	.533	0	%100
131	M216	X	-.284	-.284	0	%100
132	M216	Z	.491	.491	0	%100
133	M217	X	-.118	-.118	0	%100
134	M217	Z	.205	.205	0	%100
135	M218	X	-.01	-.01	0	%100
136	M218	Z	.017	.017	0	%100
137	M219	X	-.558	-.558	0	%100
138	M219	Z	.967	.967	0	%100
139	M220	X	-.029	-.029	0	%100
140	M220	Z	.049	.049	0	%100
141	M221	X	-.558	-.558	0	%100
142	M221	Z	.967	.967	0	%100
143	M222	X	-.029	-.029	0	%100
144	M222	Z	.049	.049	0	%100
145	M223	X	-.209	-.209	0	%100
146	M223	Z	.362	.362	0	%100
147	M224	X	-.055	-.055	0	%100
148	M224	Z	.095	.095	0	%100
149	M225	X	-.242	-.242	0	%100
150	M225	Z	.42	.42	0	%100
151	M226	X	-.242	-.242	0	%100
152	M226	Z	.42	.42	0	%100
153	M227	X	-.242	-.242	0	%100
154	M227	Z	.42	.42	0	%100
155	M228	X	-.242	-.242	0	%100
156	M228	Z	.42	.42	0	%100
157	M229	X	-.242	-.242	0	%100
158	M229	Z	.42	.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
159	MP2C	X	-.308	-.308	0	%100
160	MP2C	Z	.533	.533	0	%100
161	MP3C	X	-.308	-.308	0	%100
162	MP3C	Z	.533	.533	0	%100
163	M121	X	-.141	-.141	0	%100
164	M121	Z	.245	.245	0	%100
165	M122A	X	-.027	-.027	0	%100
166	M122A	Z	.046	.046	0	%100
167	M123A	X	-.297	-.297	0	%100
168	M123A	Z	.515	.515	0	%100
169	M124A	X	-.141	-.141	0	%100
170	M124A	Z	.245	.245	0	%100
171	M125A	X	-.027	-.027	0	%100
172	M125A	Z	.046	.046	0	%100
173	M126A	X	-.297	-.297	0	%100
174	M126A	Z	.515	.515	0	%100
175	OVP1	X	-.308	-.308	0	%100
176	OVP1	Z	.533	.533	0	%100
177	OVP2	X	-.308	-.308	0	%100
178	OVP2	Z	.533	.533	0	%100
179	M133	X	-.315	-.315	0	%100
180	M133	Z	.545	.545	0	%100
181	M137	X	-.173	-.173	0	%100
182	M137	Z	.3	.3	0	%100
183	M141	X	-.173	-.173	0	%100
184	M141	Z	.3	.3	0	%100
185	M148	X	-.025	-.025	0	%100
186	M148	Z	.043	.043	0	%100
187	M149	X	-.215	-.215	0	%100
188	M149	Z	.372	.372	0	%100
189	M150	X	-.306	-.306	0	%100
190	M150	Z	.529	.529	0	%100
191	M151	X	-.272	-.272	0	%100
192	M151	Z	.471	.471	0	%100
193	M152	X	-.048	-.048	0	%100
194	M152	Z	.083	.083	0	%100
195	M153	X	-.141	-.141	0	%100
196	M153	Z	.244	.244	0	%100
197	M151A	X	-.141	-.141	0	%100
198	M151A	Z	.245	.245	0	%100
199	M152A	X	-.148	-.148	0	%100
200	M152A	Z	.256	.256	0	%100
201	M153A	X	-.058	-.058	0	%100
202	M153A	Z	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-.161	-.161	0	%100
2	M109	Z	.093	.093	0	%100
3	M110	X	-.161	-.161	0	%100
4	M110	Z	.093	.093	0	%100
5	M116	X	-.061	-.061	0	%100
6	M116	Z	.035	.035	0	%100
7	M117	X	-.124	-.124	0	%100
8	M117	Z	.071	.071	0	%100
9	M118	X	-.478	-.478	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M118	Z	.276	.276	0	%100
11	M124	X	-.522	-.522	0	%100
12	M124	Z	.301	.301	0	%100
13	M125	X	-.257	-.257	0	%100
14	M125	Z	.148	.148	0	%100
15	M126	X	-.257	-.257	0	%100
16	M126	Z	.148	.148	0	%100
17	M127	X	-.42	-.42	0	%100
18	M127	Z	.242	.242	0	%100
19	M128	X	-.42	-.42	0	%100
20	M128	Z	.242	.242	0	%100
21	MP1A	X	-.533	-.533	0	%100
22	MP1A	Z	.308	.308	0	%100
23	M18	X	-.061	-.061	0	%100
24	M18	Z	.035	.035	0	%100
25	M19	X	-.124	-.124	0	%100
26	M19	Z	.071	.071	0	%100
27	M20	X	-.478	-.478	0	%100
28	M20	Z	.276	.276	0	%100
29	M21	X	-.84	-.84	0	%100
30	M21	Z	.485	.485	0	%100
31	M22	X	-.042	-.042	0	%100
32	M22	Z	.024	.024	0	%100
33	M21A	X	-.84	-.84	0	%100
34	M21A	Z	.485	.485	0	%100
35	M23	X	-.042	-.042	0	%100
36	M23	Z	.024	.024	0	%100
37	M23A	X	-.362	-.362	0	%100
38	M23A	Z	.209	.209	0	%100
39	M24	X	-.091	-.091	0	%100
40	M24	Z	.053	.053	0	%100
41	M25	X	-.42	-.42	0	%100
42	M25	Z	.242	.242	0	%100
43	M26	X	-.42	-.42	0	%100
44	M26	Z	.242	.242	0	%100
45	M27	X	-.42	-.42	0	%100
46	M27	Z	.242	.242	0	%100
47	M28	X	-.42	-.42	0	%100
48	M28	Z	.242	.242	0	%100
49	M29	X	-.42	-.42	0	%100
50	M29	Z	.242	.242	0	%100
51	MP2A	X	-.533	-.533	0	%100
52	MP2A	Z	.308	.308	0	%100
53	MP3A	X	-.533	-.533	0	%100
54	MP3A	Z	.308	.308	0	%100
55	M161	X	-.019	-.019	0	%100
56	M161	Z	.011	.011	0	%100
57	M162	X	-.019	-.019	0	%100
58	M162	Z	.011	.011	0	%100
59	M163	X	-.209	-.209	0	%100
60	M163	Z	.121	.121	0	%100
61	M164	X	-.015	-.015	0	%100
62	M164	Z	.009	.009	0	%100
63	M165	X	-.374	-.374	0	%100
64	M165	Z	.216	.216	0	%100
65	M168	X	-.522	-.522	0	%100
66	M168	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
67	M169	X	-.508	-.508	0	%100
68	M169	Z	.293	.293	0	%100
69	M170	X	-.508	-.508	0	%100
70	M170	Z	.293	.293	0	%100
71	M171	X	-.42	-.42	0	%100
72	M171	Z	.242	.242	0	%100
73	M172	X	-.42	-.42	0	%100
74	M172	Z	.242	.242	0	%100
75	MP1B	X	-.533	-.533	0	%100
76	MP1B	Z	.308	.308	0	%100
77	M176	X	-.209	-.209	0	%100
78	M176	Z	.121	.121	0	%100
79	M177	X	-.015	-.015	0	%100
80	M177	Z	.009	.009	0	%100
81	M178	X	-.374	-.374	0	%100
82	M178	Z	.216	.216	0	%100
83	M179	X	-1.561	-1.561	0	%100
84	M179	Z	.901	.901	0	%100
85	M180	X	-.083	-.083	0	%100
86	M180	Z	.048	.048	0	%100
87	M181	X	-1.561	-1.561	0	%100
88	M181	Z	.901	.901	0	%100
89	M182	X	-.083	-.083	0	%100
90	M182	Z	.048	.048	0	%100
91	M183	X	-.362	-.362	0	%100
92	M183	Z	.209	.209	0	%100
93	M184	X	-.112	-.112	0	%100
94	M184	Z	.065	.065	0	%100
95	M185	X	-.42	-.42	0	%100
96	M185	Z	.242	.242	0	%100
97	M186	X	-.42	-.42	0	%100
98	M186	Z	.242	.242	0	%100
99	M187	X	-.42	-.42	0	%100
100	M187	Z	.242	.242	0	%100
101	M188	X	-.42	-.42	0	%100
102	M188	Z	.242	.242	0	%100
103	M189	X	-.42	-.42	0	%100
104	M189	Z	.242	.242	0	%100
105	MP2B	X	-.533	-.533	0	%100
106	MP2B	Z	.308	.308	0	%100
107	MP3B	X	-.533	-.533	0	%100
108	MP3B	Z	.308	.308	0	%100
109	M201	X	-.57	-.57	0	%100
110	M201	Z	.329	.329	0	%100
111	M202	X	-.57	-.57	0	%100
112	M202	Z	.329	.329	0	%100
113	M203	X	-.363	-.363	0	%100
114	M203	Z	.21	.21	0	%100
115	M204	X	-.437	-.437	0	%100
116	M204	Z	.252	.252	0	%100
117	M205	X	-.054	-.054	0	%100
118	M205	Z	.031	.031	0	%100
119	M208	X	-.522	-.522	0	%100
120	M208	Z	.301	.301	0	%100
121	M209	X	-.06	-.06	0	%100
122	M209	Z	.035	.035	0	%100
123	M210	X	-.06	-.06	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
124	M210	Z	.035	.035	0	%100
125	M211	X	-.42	-.42	0	%100
126	M211	Z	.242	.242	0	%100
127	M212	X	-.42	-.42	0	%100
128	M212	Z	.242	.242	0	%100
129	MP1C	X	-.533	-.533	0	%100
130	MP1C	Z	.308	.308	0	%100
131	M216	X	-.363	-.363	0	%100
132	M216	Z	.21	.21	0	%100
133	M217	X	-.437	-.437	0	%100
134	M217	Z	.252	.252	0	%100
135	M218	X	-.054	-.054	0	%100
136	M218	Z	.031	.031	0	%100
137	M219	X	-.278	-.278	0	%100
138	M219	Z	.161	.161	0	%100
139	M220	X	-.01	-.01	0	%100
140	M220	Z	.006	.006	0	%100
141	M221	X	-.278	-.278	0	%100
142	M221	Z	.161	.161	0	%100
143	M222	X	-.01	-.01	0	%100
144	M222	Z	.006	.006	0	%100
145	M223	X	-.362	-.362	0	%100
146	M223	Z	.209	.209	0	%100
147	M224	X	-.075	-.075	0	%100
148	M224	Z	.044	.044	0	%100
149	M225	X	-.42	-.42	0	%100
150	M225	Z	.242	.242	0	%100
151	M226	X	-.42	-.42	0	%100
152	M226	Z	.242	.242	0	%100
153	M227	X	-.42	-.42	0	%100
154	M227	Z	.242	.242	0	%100
155	M228	X	-.42	-.42	0	%100
156	M228	Z	.242	.242	0	%100
157	M229	X	-.42	-.42	0	%100
158	M229	Z	.242	.242	0	%100
159	MP2C	X	-.533	-.533	0	%100
160	MP2C	Z	.308	.308	0	%100
161	MP3C	X	-.533	-.533	0	%100
162	MP3C	Z	.308	.308	0	%100
163	M121	X	-.486	-.486	0	%100
164	M121	Z	.281	.281	0	%100
165	M122A	X	-.027	-.027	0	%100
166	M122A	Z	.015	.015	0	%100
167	M123A	X	-.307	-.307	0	%100
168	M123A	Z	.177	.177	0	%100
169	M124A	X	-.486	-.486	0	%100
170	M124A	Z	.281	.281	0	%100
171	M125A	X	-.027	-.027	0	%100
172	M125A	Z	.015	.015	0	%100
173	M126A	X	-.307	-.307	0	%100
174	M126A	Z	.177	.177	0	%100
175	OVP1	X	-.533	-.533	0	%100
176	OVP1	Z	.308	.308	0	%100
177	OVP2	X	-.533	-.533	0	%100
178	OVP2	Z	.308	.308	0	%100
179	M133	X	-.182	-.182	0	%100
180	M133	Z	.105	.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
181	M137	X	-.022	-.022	0	%100
182	M137	Z	.013	.013	0	%100
183	M141	X	-.642	-.642	0	%100
184	M141	Z	.371	.371	0	%100
185	M148	X	-.318	-.318	0	%100
186	M148	Z	.183	.183	0	%100
187	M149	X	-.074	-.074	0	%100
188	M149	Z	.043	.043	0	%100
189	M150	X	-.629	-.629	0	%100
190	M150	Z	.363	.363	0	%100
191	M151	X	-.22	-.22	0	%100
192	M151	Z	.127	.127	0	%100
193	M152	X	-.007	-.007	0	%100
194	M152	Z	.004	.004	0	%100
195	M153	X	-.486	-.486	0	%100
196	M153	Z	.28	.28	0	%100
197	M151A	X	-.046	-.046	0	%100
198	M151A	Z	.027	.027	0	%100
199	M152A	X	-.053	-.053	0	%100
200	M152A	Z	.031	.031	0	%100
201	M153A	X	-.314	-.314	0	%100
202	M153A	Z	.181	.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	M116	X	-.34	-.34	0	%100
6	M116	Z	0	0	0	%100
7	M117	X	0	0	0	%100
8	M117	Z	0	0	0	%100
9	M118	X	-.34	-.34	0	%100
10	M118	Z	0	0	0	%100
11	M124	X	-.602	-.602	0	%100
12	M124	Z	0	0	0	%100
13	M125	X	-.553	-.553	0	%100
14	M125	Z	0	0	0	%100
15	M126	X	-.553	-.553	0	%100
16	M126	Z	0	0	0	%100
17	M127	X	-.485	-.485	0	%100
18	M127	Z	0	0	0	%100
19	M128	X	-.485	-.485	0	%100
20	M128	Z	0	0	0	%100
21	MP1A	X	-.616	-.616	0	%100
22	MP1A	Z	0	0	0	%100
23	M18	X	-.34	-.34	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20	X	-.34	-.34	0	%100
28	M20	Z	0	0	0	%100
29	M21	X	-1.702	-1.702	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	-.091	-.091	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
32	M22	Z	0	0	0	%100
33	M21A	X	-1.702	-1.702	0	%100
34	M21A	Z	0	0	0	%100
35	M23	X	-.091	-.091	0	%100
36	M23	Z	0	0	0	%100
37	M23A	X	-.419	-.419	0	%100
38	M23A	Z	0	0	0	%100
39	M24	X	-.126	-.126	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.485	-.485	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-.485	-.485	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-.485	-.485	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-.485	-.485	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-.485	-.485	0	%100
50	M29	Z	0	0	0	%100
51	MP2A	X	-.616	-.616	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-.616	-.616	0	%100
54	MP3A	Z	0	0	0	%100
55	M161	X	-.087	-.087	0	%100
56	M161	Z	0	0	0	%100
57	M162	X	-.087	-.087	0	%100
58	M162	Z	0	0	0	%100
59	M163	X	-.505	-.505	0	%100
60	M163	Z	0	0	0	%100
61	M164	X	-.067	-.067	0	%100
62	M164	Z	0	0	0	%100
63	M165	X	-.148	-.148	0	%100
64	M165	Z	0	0	0	%100
65	M168	X	-.602	-.602	0	%100
66	M168	Z	0	0	0	%100
67	M169	X	-.389	-.389	0	%100
68	M169	Z	0	0	0	%100
69	M170	X	-.389	-.389	0	%100
70	M170	Z	0	0	0	%100
71	M171	X	-.485	-.485	0	%100
72	M171	Z	0	0	0	%100
73	M172	X	-.485	-.485	0	%100
74	M172	Z	0	0	0	%100
75	MP1B	X	-.616	-.616	0	%100
76	MP1B	Z	0	0	0	%100
77	M176	X	-.505	-.505	0	%100
78	M176	Z	0	0	0	%100
79	M177	X	-.067	-.067	0	%100
80	M177	Z	0	0	0	%100
81	M178	X	-.148	-.148	0	%100
82	M178	Z	0	0	0	%100
83	M179	X	-1.259	-1.259	0	%100
84	M179	Z	0	0	0	%100
85	M180	X	-.064	-.064	0	%100
86	M180	Z	0	0	0	%100
87	M181	X	-1.259	-1.259	0	%100
88	M181	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
89	M182	X	-.064	-.064	0	%100
90	M182	Z	0	0	0	%100
91	M183	X	-.419	-.419	0	%100
92	M183	Z	0	0	0	%100
93	M184	X	-.113	-.113	0	%100
94	M184	Z	0	0	0	%100
95	M185	X	-.485	-.485	0	%100
96	M185	Z	0	0	0	%100
97	M186	X	-.485	-.485	0	%100
98	M186	Z	0	0	0	%100
99	M187	X	-.485	-.485	0	%100
100	M187	Z	0	0	0	%100
101	M188	X	-.485	-.485	0	%100
102	M188	Z	0	0	0	%100
103	M189	X	-.485	-.485	0	%100
104	M189	Z	0	0	0	%100
105	MP2B	X	-.616	-.616	0	%100
106	MP2B	Z	0	0	0	%100
107	MP3B	X	-.616	-.616	0	%100
108	MP3B	Z	0	0	0	%100
109	M201	X	-.723	-.723	0	%100
110	M201	Z	0	0	0	%100
111	M202	X	-.723	-.723	0	%100
112	M202	Z	0	0	0	%100
113	M203	X	-.136	-.136	0	%100
114	M203	Z	0	0	0	%100
115	M204	X	-.554	-.554	0	%100
116	M204	Z	0	0	0	%100
117	M205	X	-.326	-.326	0	%100
118	M205	Z	0	0	0	%100
119	M208	X	-.602	-.602	0	%100
120	M208	Z	0	0	0	%100
121	M209	X	-.018	-.018	0	%100
122	M209	Z	0	0	0	%100
123	M210	X	-.018	-.018	0	%100
124	M210	Z	0	0	0	%100
125	M211	X	-.485	-.485	0	%100
126	M211	Z	0	0	0	%100
127	M212	X	-.485	-.485	0	%100
128	M212	Z	0	0	0	%100
129	MP1C	X	-.616	-.616	0	%100
130	MP1C	Z	0	0	0	%100
131	M216	X	-.136	-.136	0	%100
132	M216	Z	0	0	0	%100
133	M217	X	-.554	-.554	0	%100
134	M217	Z	0	0	0	%100
135	M218	X	-.326	-.326	0	%100
136	M218	Z	0	0	0	%100
137	M219	X	-.174	-.174	0	%100
138	M219	Z	0	0	0	%100
139	M220	X	-.003	-.003	0	%100
140	M220	Z	0	0	0	%100
141	M221	X	-.174	-.174	0	%100
142	M221	Z	0	0	0	%100
143	M222	X	-.003	-.003	0	%100
144	M222	Z	0	0	0	%100
145	M223	X	-.419	-.419	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
146	M223	Z	0	0	0	%100
147	M224	X	-.083	-.083	0	%100
148	M224	Z	0	0	0	%100
149	M225	X	-.485	-.485	0	%100
150	M225	Z	0	0	0	%100
151	M226	X	-.485	-.485	0	%100
152	M226	Z	0	0	0	%100
153	M227	X	-.485	-.485	0	%100
154	M227	Z	0	0	0	%100
155	M228	X	-.485	-.485	0	%100
156	M228	Z	0	0	0	%100
157	M229	X	-.485	-.485	0	%100
158	M229	Z	0	0	0	%100
159	MP2C	X	-.616	-.616	0	%100
160	MP2C	Z	0	0	0	%100
161	MP3C	X	-.616	-.616	0	%100
162	MP3C	Z	0	0	0	%100
163	M121	X	-.587	-.587	0	%100
164	M121	Z	0	0	0	%100
165	M122A	X	-.285	-.285	0	%100
166	M122A	Z	0	0	0	%100
167	M123A	X	-.067	-.067	0	%100
168	M123A	Z	0	0	0	%100
169	M124A	X	-.587	-.587	0	%100
170	M124A	Z	0	0	0	%100
171	M125A	X	-.285	-.285	0	%100
172	M125A	Z	0	0	0	%100
173	M126A	X	-.067	-.067	0	%100
174	M126A	Z	0	0	0	%100
175	OVP1	X	-.616	-.616	0	%100
176	OVP1	Z	0	0	0	%100
177	OVP2	X	-.616	-.616	0	%100
178	OVP2	Z	0	0	0	%100
179	M133	X	0	0	0	%100
180	M133	Z	0	0	0	%100
181	M137	X	-.098	-.098	0	%100
182	M137	Z	0	0	0	%100
183	M141	X	-.814	-.814	0	%100
184	M141	Z	0	0	0	%100
185	M148	X	-.684	-.684	0	%100
186	M148	Z	0	0	0	%100
187	M149	X	-.022	-.022	0	%100
188	M149	Z	0	0	0	%100
189	M150	X	-.482	-.482	0	%100
190	M150	Z	0	0	0	%100
191	M151	X	-.018	-.018	0	%100
192	M151	Z	0	0	0	%100
193	M152	X	-.22	-.22	0	%100
194	M152	Z	0	0	0	%100
195	M153	X	-.587	-.587	0	%100
196	M153	Z	0	0	0	%100
197	M151A	X	-.017	-.017	0	%100
198	M151A	Z	0	0	0	%100
199	M152A	X	-.013	-.013	0	%100
200	M152A	Z	0	0	0	%100
201	M153A	X	-.493	-.493	0	%100
202	M153A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
1	M109	X	-.161	-.161	0	%100
2	M109	Z	-.093	-.093	0	%100
3	M110	X	-.161	-.161	0	%100
4	M110	Z	-.093	-.093	0	%100
5	M116	X	-.478	-.478	0	%100
6	M116	Z	-.276	-.276	0	%100
7	M117	X	-.124	-.124	0	%100
8	M117	Z	-.071	-.071	0	%100
9	M118	X	-.061	-.061	0	%100
10	M118	Z	-.035	-.035	0	%100
11	M124	X	-.522	-.522	0	%100
12	M124	Z	-.301	-.301	0	%100
13	M125	X	-.479	-.479	0	%100
14	M125	Z	-.276	-.276	0	%100
15	M126	X	-.479	-.479	0	%100
16	M126	Z	-.276	-.276	0	%100
17	M127	X	-.42	-.42	0	%100
18	M127	Z	-.242	-.242	0	%100
19	M128	X	-.42	-.42	0	%100
20	M128	Z	-.242	-.242	0	%100
21	MP1A	X	-.533	-.533	0	%100
22	MP1A	Z	-.308	-.308	0	%100
23	M18	X	-.478	-.478	0	%100
24	M18	Z	-.276	-.276	0	%100
25	M19	X	-.124	-.124	0	%100
26	M19	Z	-.071	-.071	0	%100
27	M20	X	-.061	-.061	0	%100
28	M20	Z	-.035	-.035	0	%100
29	M21	X	-1.474	-1.474	0	%100
30	M21	Z	-.851	-.851	0	%100
31	M22	X	-.079	-.079	0	%100
32	M22	Z	-.045	-.045	0	%100
33	M21A	X	-1.474	-1.474	0	%100
34	M21A	Z	-.851	-.851	0	%100
35	M23	X	-.079	-.079	0	%100
36	M23	Z	-.045	-.045	0	%100
37	M23A	X	-.362	-.362	0	%100
38	M23A	Z	-.209	-.209	0	%100
39	M24	X	-.11	-.11	0	%100
40	M24	Z	-.063	-.063	0	%100
41	M25	X	-.42	-.42	0	%100
42	M25	Z	-.242	-.242	0	%100
43	M26	X	-.42	-.42	0	%100
44	M26	Z	-.242	-.242	0	%100
45	M27	X	-.42	-.42	0	%100
46	M27	Z	-.242	-.242	0	%100
47	M28	X	-.42	-.42	0	%100
48	M28	Z	-.242	-.242	0	%100
49	M29	X	-.42	-.42	0	%100
50	M29	Z	-.242	-.242	0	%100
51	MP2A	X	-.533	-.533	0	%100
52	MP2A	Z	-.308	-.308	0	%100
53	MP3A	X	-.533	-.533	0	%100
54	MP3A	Z	-.308	-.308	0	%100
55	M161	X	-.379	-.379	0	%100
56	M161	Z	-.219	-.219	0	%100
57	M162	X	-.379	-.379	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
58	M162	Z	-.219	-.219	0	%100
59	M163	X	-.474	-.474	0	%100
60	M163	Z	-.274	-.274	0	%100
61	M164	X	-.29	-.29	0	%100
62	M164	Z	-.168	-.168	0	%100
63	M165	X	-7.6e-5	-7.6e-5	0	%100
64	M165	Z	-4.4e-5	-4.4e-5	0	%100
65	M168	X	-.522	-.522	0	%100
66	M168	Z	-.301	-.301	0	%100
67	M169	X	-.086	-.086	0	%100
68	M169	Z	-.049	-.049	0	%100
69	M170	X	-.086	-.086	0	%100
70	M170	Z	-.049	-.049	0	%100
71	M171	X	-.42	-.42	0	%100
72	M171	Z	-.242	-.242	0	%100
73	M172	X	-.42	-.42	0	%100
74	M172	Z	-.242	-.242	0	%100
75	MP1B	X	-.533	-.533	0	%100
76	MP1B	Z	-.308	-.308	0	%100
77	M176	X	-.474	-.474	0	%100
78	M176	Z	-.274	-.274	0	%100
79	M177	X	-.29	-.29	0	%100
80	M177	Z	-.168	-.168	0	%100
81	M178	X	-7.6e-5	-7.6e-5	0	%100
82	M178	Z	-4.4e-5	-4.4e-5	0	%100
83	M179	X	-.369	-.369	0	%100
84	M179	Z	-.213	-.213	0	%100
85	M180	X	-.014	-.014	0	%100
86	M180	Z	-.008	-.008	0	%100
87	M181	X	-.369	-.369	0	%100
88	M181	Z	-.213	-.213	0	%100
89	M182	X	-.014	-.014	0	%100
90	M182	Z	-.008	-.008	0	%100
91	M183	X	-.362	-.362	0	%100
92	M183	Z	-.209	-.209	0	%100
93	M184	X	-.078	-.078	0	%100
94	M184	Z	-.045	-.045	0	%100
95	M185	X	-.42	-.42	0	%100
96	M185	Z	-.242	-.242	0	%100
97	M186	X	-.42	-.42	0	%100
98	M186	Z	-.242	-.242	0	%100
99	M187	X	-.42	-.42	0	%100
100	M187	Z	-.242	-.242	0	%100
101	M188	X	-.42	-.42	0	%100
102	M188	Z	-.242	-.242	0	%100
103	M189	X	-.42	-.42	0	%100
104	M189	Z	-.242	-.242	0	%100
105	MP2B	X	-.533	-.533	0	%100
106	MP2B	Z	-.308	-.308	0	%100
107	MP3B	X	-.533	-.533	0	%100
108	MP3B	Z	-.308	-.308	0	%100
109	M201	X	-.379	-.379	0	%100
110	M201	Z	-.219	-.219	0	%100
111	M202	X	-.379	-.379	0	%100
112	M202	Z	-.219	-.219	0	%100
113	M203	X	-7.6e-5	-7.6e-5	0	%100
114	M203	Z	-4.4e-5	-4.4e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
115	M204	X	-.29	-.29	0	%100
116	M204	Z	-.168	-.168	0	%100
117	M205	X	-.474	-.474	0	%100
118	M205	Z	-.274	-.274	0	%100
119	M208	X	-.522	-.522	0	%100
120	M208	Z	-.301	-.301	0	%100
121	M209	X	-.212	-.212	0	%100
122	M209	Z	-.122	-.122	0	%100
123	M210	X	-.212	-.212	0	%100
124	M210	Z	-.122	-.122	0	%100
125	M211	X	-.42	-.42	0	%100
126	M211	Z	-.242	-.242	0	%100
127	M212	X	-.42	-.42	0	%100
128	M212	Z	-.242	-.242	0	%100
129	MP1C	X	-.533	-.533	0	%100
130	MP1C	Z	-.308	-.308	0	%100
131	M216	X	-7.6e-5	-7.6e-5	0	%100
132	M216	Z	-4.4e-5	-4.4e-5	0	%100
133	M217	X	-.29	-.29	0	%100
134	M217	Z	-.168	-.168	0	%100
135	M218	X	-.474	-.474	0	%100
136	M218	Z	-.274	-.274	0	%100
137	M219	X	-.712	-.712	0	%100
138	M219	Z	-.411	-.411	0	%100
139	M220	X	-.035	-.035	0	%100
140	M220	Z	-.02	-.02	0	%100
141	M221	X	-.712	-.712	0	%100
142	M221	Z	-.411	-.411	0	%100
143	M222	X	-.035	-.035	0	%100
144	M222	Z	-.02	-.02	0	%100
145	M223	X	-.362	-.362	0	%100
146	M223	Z	-.209	-.209	0	%100
147	M224	X	-.088	-.088	0	%100
148	M224	Z	-.051	-.051	0	%100
149	M225	X	-.42	-.42	0	%100
150	M225	Z	-.242	-.242	0	%100
151	M226	X	-.42	-.42	0	%100
152	M226	Z	-.242	-.242	0	%100
153	M227	X	-.42	-.42	0	%100
154	M227	Z	-.242	-.242	0	%100
155	M228	X	-.42	-.42	0	%100
156	M228	Z	-.242	-.242	0	%100
157	M229	X	-.42	-.42	0	%100
158	M229	Z	-.242	-.242	0	%100
159	MP2C	X	-.533	-.533	0	%100
160	MP2C	Z	-.308	-.308	0	%100
161	MP3C	X	-.533	-.533	0	%100
162	MP3C	Z	-.308	-.308	0	%100
163	M121	X	-.289	-.289	0	%100
164	M121	Z	-.167	-.167	0	%100
165	M122A	X	-.487	-.487	0	%100
166	M122A	Z	-.281	-.281	0	%100
167	M123A	X	-.018	-.018	0	%100
168	M123A	Z	-.011	-.011	0	%100
169	M124A	X	-.289	-.289	0	%100
170	M124A	Z	-.167	-.167	0	%100
171	M125A	X	-.487	-.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
172	M125A	Z	-.281	-.281	0	%100
173	M126A	X	-.018	-.018	0	%100
174	M126A	Z	-.011	-.011	0	%100
175	OVP1	X	-.533	-.533	0	%100
176	OVP1	Z	-.308	-.308	0	%100
177	OVP2	X	-.533	-.533	0	%100
178	OVP2	Z	-.308	-.308	0	%100
179	M133	X	-.182	-.182	0	%100
180	M133	Z	-.105	-.105	0	%100
181	M137	X	-.427	-.427	0	%100
182	M137	Z	-.246	-.246	0	%100
183	M141	X	-.427	-.427	0	%100
184	M141	Z	-.246	-.246	0	%100
185	M148	X	-.593	-.593	0	%100
186	M148	Z	-.342	-.342	0	%100
187	M149	X	-.262	-.262	0	%100
188	M149	Z	-.151	-.151	0	%100
189	M150	X	-.106	-.106	0	%100
190	M150	Z	-.061	-.061	0	%100
191	M151	X	-.063	-.063	0	%100
192	M151	Z	-.036	-.036	0	%100
193	M152	X	-.45	-.45	0	%100
194	M152	Z	-.26	-.26	0	%100
195	M153	X	-.289	-.289	0	%100
196	M153	Z	-.167	-.167	0	%100
197	M151A	X	-.182	-.182	0	%100
198	M151A	Z	-.105	-.105	0	%100
199	M152A	X	-.171	-.171	0	%100
200	M152A	Z	-.099	-.099	0	%100
201	M153A	X	-.326	-.326	0	%100
202	M153A	Z	-.188	-.188	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M109	X	-.28	-.28	0	%100
2	M109	Z	-.484	-.484	0	%100
3	M110	X	-.28	-.28	0	%100
4	M110	Z	-.484	-.484	0	%100
5	M116	X	-.248	-.248	0	%100
6	M116	Z	-.43	-.43	0	%100
7	M117	X	-.214	-.214	0	%100
8	M117	Z	-.371	-.371	0	%100
9	M118	X	-.007	-.007	0	%100
10	M118	Z	-.013	-.013	0	%100
11	M124	X	-.301	-.301	0	%100
12	M124	Z	-.522	-.522	0	%100
13	M125	X	-.148	-.148	0	%100
14	M125	Z	-.257	-.257	0	%100
15	M126	X	-.148	-.148	0	%100
16	M126	Z	-.257	-.257	0	%100
17	M127	X	-.242	-.242	0	%100
18	M127	Z	-.42	-.42	0	%100
19	M128	X	-.242	-.242	0	%100
20	M128	Z	-.42	-.42	0	%100
21	MP1A	X	-.308	-.308	0	%100
22	MP1A	Z	-.533	-.533	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
23	M18	X	-.248	-.248	0	%100
24	M18	Z	-.43	-.43	0	%100
25	M19	X	-.214	-.214	0	%100
26	M19	Z	-.371	-.371	0	%100
27	M20	X	-.007	-.007	0	%100
28	M20	Z	-.013	-.013	0	%100
29	M21	X	-.485	-.485	0	%100
30	M21	Z	-.84	-.84	0	%100
31	M22	X	-.024	-.024	0	%100
32	M22	Z	-.042	-.042	0	%100
33	M21A	X	-.485	-.485	0	%100
34	M21A	Z	-.84	-.84	0	%100
35	M23	X	-.024	-.024	0	%100
36	M23	Z	-.042	-.042	0	%100
37	M23A	X	-.209	-.209	0	%100
38	M23A	Z	-.362	-.362	0	%100
39	M24	X	-.053	-.053	0	%100
40	M24	Z	-.091	-.091	0	%100
41	M25	X	-.242	-.242	0	%100
42	M25	Z	-.42	-.42	0	%100
43	M26	X	-.242	-.242	0	%100
44	M26	Z	-.42	-.42	0	%100
45	M27	X	-.242	-.242	0	%100
46	M27	Z	-.42	-.42	0	%100
47	M28	X	-.242	-.242	0	%100
48	M28	Z	-.42	-.42	0	%100
49	M29	X	-.242	-.242	0	%100
50	M29	Z	-.42	-.42	0	%100
51	MP2A	X	-.308	-.308	0	%100
52	MP2A	Z	-.533	-.533	0	%100
53	MP3A	X	-.308	-.308	0	%100
54	MP3A	Z	-.533	-.533	0	%100
55	M161	X	-.362	-.362	0	%100
56	M161	Z	-.626	-.626	0	%100
57	M162	X	-.362	-.362	0	%100
58	M162	Z	-.626	-.626	0	%100
59	M163	X	-.163	-.163	0	%100
60	M163	Z	-.282	-.282	0	%100
61	M164	X	-.277	-.277	0	%100
62	M164	Z	-.48	-.48	0	%100
63	M165	X	-.068	-.068	0	%100
64	M165	Z	-.118	-.118	0	%100
65	M168	X	-.301	-.301	0	%100
66	M168	Z	-.522	-.522	0	%100
67	M169	X	-.003	-.003	0	%100
68	M169	Z	-.005	-.005	0	%100
69	M170	X	-.003	-.003	0	%100
70	M170	Z	-.005	-.005	0	%100
71	M171	X	-.242	-.242	0	%100
72	M171	Z	-.42	-.42	0	%100
73	M172	X	-.242	-.242	0	%100
74	M172	Z	-.42	-.42	0	%100
75	MP1B	X	-.308	-.308	0	%100
76	MP1B	Z	-.533	-.533	0	%100
77	M176	X	-.163	-.163	0	%100
78	M176	Z	-.282	-.282	0	%100
79	M177	X	-.277	-.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
80	M177	Z	-.48	-.48	0	%100
81	M178	X	-.068	-.068	0	%100
82	M178	Z	-.118	-.118	0	%100
83	M179	X	-.068	-.068	0	%100
84	M179	Z	-.118	-.118	0	%100
85	M180	X	-.000511	-.000511	0	%100
86	M180	Z	-.000886	-.000886	0	%100
87	M181	X	-.068	-.068	0	%100
88	M181	Z	-.118	-.118	0	%100
89	M182	X	-.000511	-.000511	0	%100
90	M182	Z	-.000886	-.000886	0	%100
91	M183	X	-.209	-.209	0	%100
92	M183	Z	-.362	-.362	0	%100
93	M184	X	-.041	-.041	0	%100
94	M184	Z	-.071	-.071	0	%100
95	M185	X	-.242	-.242	0	%100
96	M185	Z	-.42	-.42	0	%100
97	M186	X	-.242	-.242	0	%100
98	M186	Z	-.42	-.42	0	%100
99	M187	X	-.242	-.242	0	%100
100	M187	Z	-.42	-.42	0	%100
101	M188	X	-.242	-.242	0	%100
102	M188	Z	-.42	-.42	0	%100
103	M189	X	-.242	-.242	0	%100
104	M189	Z	-.42	-.42	0	%100
105	MP2B	X	-.308	-.308	0	%100
106	MP2B	Z	-.533	-.533	0	%100
107	MP3B	X	-.308	-.308	0	%100
108	MP3B	Z	-.533	-.533	0	%100
109	M201	X	-.044	-.044	0	%100
110	M201	Z	-.076	-.076	0	%100
111	M202	X	-.044	-.044	0	%100
112	M202	Z	-.076	-.076	0	%100
113	M203	X	-.074	-.074	0	%100
114	M203	Z	-.128	-.128	0	%100
115	M204	X	-.033	-.033	0	%100
116	M204	Z	-.058	-.058	0	%100
117	M205	X	-.253	-.253	0	%100
118	M205	Z	-.438	-.438	0	%100
119	M208	X	-.301	-.301	0	%100
120	M208	Z	-.522	-.522	0	%100
121	M209	X	-.262	-.262	0	%100
122	M209	Z	-.453	-.453	0	%100
123	M210	X	-.262	-.262	0	%100
124	M210	Z	-.453	-.453	0	%100
125	M211	X	-.242	-.242	0	%100
126	M211	Z	-.42	-.42	0	%100
127	M212	X	-.242	-.242	0	%100
128	M212	Z	-.42	-.42	0	%100
129	MP1C	X	-.308	-.308	0	%100
130	MP1C	Z	-.533	-.533	0	%100
131	M216	X	-.074	-.074	0	%100
132	M216	Z	-.128	-.128	0	%100
133	M217	X	-.033	-.033	0	%100
134	M217	Z	-.058	-.058	0	%100
135	M218	X	-.253	-.253	0	%100
136	M218	Z	-.438	-.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
137	M219	X	- .809	- .809	0	%100
138	M219	Z	-1.401	-1.401	0	%100
139	M220	X	- .043	- .043	0	%100
140	M220	Z	- .074	- .074	0	%100
141	M221	X	- .809	- .809	0	%100
142	M221	Z	-1.401	-1.401	0	%100
143	M222	X	- .043	- .043	0	%100
144	M222	Z	- .074	- .074	0	%100
145	M223	X	- .209	- .209	0	%100
146	M223	Z	- .362	- .362	0	%100
147	M224	X	- .062	- .062	0	%100
148	M224	Z	- .107	- .107	0	%100
149	M225	X	- .242	- .242	0	%100
150	M225	Z	- .42	- .42	0	%100
151	M226	X	- .242	- .242	0	%100
152	M226	Z	- .42	- .42	0	%100
153	M227	X	- .242	- .242	0	%100
154	M227	Z	- .42	- .42	0	%100
155	M228	X	- .242	- .242	0	%100
156	M228	Z	- .42	- .42	0	%100
157	M229	X	- .242	- .242	0	%100
158	M229	Z	- .42	- .42	0	%100
159	MP2C	X	- .308	- .308	0	%100
160	MP2C	Z	- .533	- .533	0	%100
161	MP3C	X	- .308	- .308	0	%100
162	MP3C	Z	- .533	- .533	0	%100
163	M121	X	- .027	- .027	0	%100
164	M121	Z	- .048	- .048	0	%100
165	M122A	X	- .293	- .293	0	%100
166	M122A	Z	- .507	- .507	0	%100
167	M123A	X	- .131	- .131	0	%100
168	M123A	Z	- .227	- .227	0	%100
169	M124A	X	- .027	- .027	0	%100
170	M124A	Z	- .048	- .048	0	%100
171	M125A	X	- .293	- .293	0	%100
172	M125A	Z	- .507	- .507	0	%100
173	M126A	X	- .131	- .131	0	%100
174	M126A	Z	- .227	- .227	0	%100
175	OVP1	X	- .308	- .308	0	%100
176	OVP1	Z	- .533	- .533	0	%100
177	OVP2	X	- .308	- .308	0	%100
178	OVP2	Z	- .533	- .533	0	%100
179	M133	X	- .315	- .315	0	%100
180	M133	Z	- .545	- .545	0	%100
181	M137	X	- .407	- .407	0	%100
182	M137	Z	- .705	- .705	0	%100
183	M141	X	- .049	- .049	0	%100
184	M141	Z	- .085	- .085	0	%100
185	M148	X	- .183	- .183	0	%100
186	M148	Z	- .318	- .318	0	%100
187	M149	X	- .323	- .323	0	%100
188	M149	Z	- .56	- .56	0	%100
189	M150	X	- .004	- .004	0	%100
190	M150	Z	- .007	- .007	0	%100
191	M151	X	- .181	- .181	0	%100
192	M151	Z	- .314	- .314	0	%100
193	M152	X	- .304	- .304	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
194 M152	Z	-.526	-.526	0	%100
195 M153	X	-.028	-.028	0	%100
196 M153	Z	-.048	-.048	0	%100
197 M151A	X	-.22	-.22	0	%100
198 M151A	Z	-.38	-.38	0	%100
199 M152A	X	-.216	-.216	0	%100
200 M152A	Z	-.373	-.373	0	%100
201 M153A	X	-.065	-.065	0	%100
202 M153A	Z	-.113	-.113	0	%100

Member Area Loads

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N34A	max	-151.401	5	828.767	14	4654.436	23	0	43	.334	5	.018	13
2		min	-1160.266	14	289.009	5	919.593	5	-.005	13	-.197	11	-.003	43
3	N36	max	1510.386	20	1129.581	20	-330.187	2	.001	39	.259	5	.017	21
4		min	-16.047	2	290.858	2	-5700.764	20	-.005	21	-.253	11	-.004	39
5	N293A	max	1022.06	10	1018.937	16	1043.113	16	.031	13	.229	4	0	43
6		min	-5479.132	4	80.986	10	-158.813	10	0	43	-.256	10	-.005	13
7	N331	max	3788.016	13	1288.645	13	4973.942	13	0	43	.27	4	0	43
8		min	26.025	7	267.559	7	-15.02	7	-.013	13	-.367	10	-.017	13
9	N336	max	-431.798	1	933.856	19	-460.14	1	0	42	.364	5	-.001	42
10		min	-3234.67	19	292.68	1	-4156.502	19	-.013	24	-.153	11	-.018	24
11	N402	max	4728.745	22	734.036	22	-21.278	4	.029	13	.314	17	0	7
12		min	-94.857	4	147.253	4	-995.449	22	-.003	7	-.111	11	-.005	13
13	N214A	max	291.752	12	719.284	24	910.344	1	-1.06	5	1.052	1	-.112	30
14		min	-264.543	6	317.011	6	-1321.883	7	-2.28	23	-1.362	7	-.537	48
15	N215A	max	419.825	9	894.749	22	367.557	3	.763	13	1.968	5	2.873	22
16		min	-917.371	3	392.943	4	-207.085	9	.226	7	-2.248	11	1.385	4
17	N253C	max	848.738	11	770.801	20	767.051	12	1.975	19	2.323	4	-.636	3
18		min	-590.178	5	308.955	2	-445.845	6	.889	1	-2.486	10	-1.634	21
19	Totals:	max	6765.763	10	7998.141	19	8151.262	1						
20		min	-6765.785	4	3856.712	1	-8151.276	7						

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

Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc...	Dir	LC	phi*P...	phi*Pnt [...]	phi*Mn ...	phi*Mn z...	Cb	Eqn
1	M182	PL3/8x7	.879	0	13	.050	.5	z	13	72350...	85050	.664	12.403	1.72 H1...
2	M221	PL3/8x7	.878	.167	4	.478	0	y	10	79151...	85050	.664	12.403	1.3...H1...
3	M180	PL3/8x7	.858	0	19	.049	.5	z	22	72350...	85050	.664	12.403	1.1...H1...
4	M181	PL3/8x7	.851	0	13	.548	0	y	10	79151...	85050	.664	12.403	1.4...H1...
5	M179	PL3/8x7	.814	.333	19	.607	.333	y	5	79151...	85050	.664	12.403	1.5...H1...
6	M23	PL3/8x7	.784	0	20	.042	.5	z	21	72350...	85050	.664	12.403	1.2...H1...
7	M21A	PL3/8x7	.756	0	20	.464	.167	y	5	79151...	85050	.664	12.403	1.3...H1...
8	M223	PIPE 1.25	.753	0	16	.112	0		13	17606...	19687.5	.801	.801	2.2...H1...
9	M22	PL3/8x7	.751	0	14	.042	.5	z	14	72350...	85050	.664	12.403	1.0...H1...
10	M21	PL3/8x7	.709	.333	14	.564	.167	y	5	79151...	85050	.664	12.403	1.41 H1...
11	M222	PL3/8x7	.699	0	16	.064	.5	y	13	72350...	85050	.664	12.403	1.4...H1...
12	M220	PL3/8x7	.685	0	22	.062	0	y	13	72350...	85050	.664	12.403	1.1...H1...
13	M219	PL3/8x7	.646	.333	22	.565	.333	y	5	79151...	85050	.664	12.403	1.43 H1...

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

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...]	Dir	LC	phi*P...	phi*Pnt [...]	phi*Mn ...	phi*Mn z...	Cb	Egn
14	OVP2	PIPE 2.0	.574	4.219	17	.153	1.042		13	23808...	32130	1.872	1.872	1.6...	H1...
15	M110	PIPE 2.5	.557	7.682	1	.179	4.818		1	14558...	50715	3.596	3.596	2.7...	H1...
16	M133	PIPE 3.0	.552	6.12	7	.217	5.99		20	28250...	65205	5.749	5.749	1.8...	H1...
17	M109	PIPE 2.5	.518	7.682	1	.123	4.818		1	14558...	50715	3.596	3.596	2.2...	H1...
18	OVP1	PIPE 2.0	.491	1.042	19	.118	4.219		13	23808...	32130	1.872	1.872	1.66	H1...
19	MP2C	PIPE 2.0	.481	1	16	.115	3.917		10	14916...	32130	1.872	1.872	2.8...	H1...
20	M210	PIPE 2.5	.471	0	22	.103	.556		13	46307...	50715	3.596	3.596	2.1...	H1...
21	M208	PIPE 2.5	.449	3.354	21	.210	3.354		10	45877...	50715	3.596	3.596	2.09	H1...
22	M209	PIPE 2.5	.447	0	16	.102	.556		18	46307...	50715	3.596	3.596	2.1...	H1...
23	M150	HSS3X3X4	.443	4.724	10	.053	4.724	y	21	84828...	101016	8.556	8.556	2.1...	H1...
24	M228	PIPE 2.0	.439	1.333	10	.142	1.333		10	30993...	32130	1.872	1.872	2.3...	H1...
25	M183	PIPE 1.25	.434	0	13	.094	0		13	17606...	19687.5	.801	.801	2.2...	H1...
26	M149	HSS3X3X4	.433	4.688	23	.068	4.688	y	13	85056...	101016	8.556	8.556	2.1...	H1...
27	M170	PIPE 2.5	.428	0	18	.129	.556		13	46307...	50715	3.596	3.596	1.9...	H1...
28	M168	PIPE 2.5	.410	3.354	18	.176	.146		1	45877...	50715	3.596	3.596	1.8...	H1...
29	M169	PIPE 2.5	.402	0	24	.135	.556		13	46307...	50715	3.596	3.596	2.0...	H1...
30	MP1B	PIPE 2.0	.398	2.417	1	.171	.917		12	14916...	32130	1.872	1.872	1.5...	H1...
31	MP1C	PIPE 2.0	.398	2.417	4	.163	.917		2	14916...	32130	1.872	1.872	1.7...	H1...
32	MP2A	PIPE 2.0	.395	1	20	.080	1		7	14916...	32130	1.872	1.872	1.4...	H1...
33	MP3A	PIPE 2.0	.392	2.417	8	.154	3.917		8	14916...	32130	1.872	1.872	1.4...	H1...
34	MP2B	PIPE 2.0	.389	1	22	.080	3.917		2	14916...	32130	1.872	1.872	3.1...	H1...
35	M151	PIPE 2.0	.379	0	24	.071	0		24	22322...	32130	1.872	1.872	2.2...	H1...
36	M141	PIPE 3.0	.368	6.25	3	.275	6.25		13	28250...	65205	5.749	5.749	1.79	H1...
37	M26	PIPE 2.0	.367	1.333	7	.135	1.333		7	30993...	32130	1.872	1.872	1.7...	H1...
38	M23A	PIPE 1.25	.367	0	19	.071	3.25		13	17606...	19687.5	.801	.801	2.2...	H1...
39	M126	PIPE 2.5	.358	0	14	.117	.556		13	46307...	50715	3.596	3.596	1.9...	H1...
40	M137	PIPE 3.0	.356	6.51	11	.219	6.51		22	28250...	65205	5.749	5.749	1.7...	H1...
41	M125	PIPE 2.5	.349	0	19	.120	.556		18	46307...	50715	3.596	3.596	1.99	H1...
42	M124	PIPE 2.5	.348	3.354	13	.229	.146		7	45877...	50715	3.596	3.596	2.3...	H1...
43	M148	HSS3X3X4	.341	4.72	19	.073	4.72	y	17	84854...	101016	8.556	8.556	2.1...	H1...
44	MP3B	PIPE 2.0	.323	2.417	11	.093	3.917		11	14916...	32130	1.872	1.872	3.5...	H1...
45	M201	PIPE 2.5	.314	4.818	10	.127	7.682		4	14558...	50715	3.596	3.596	2.9...	H1...
46	M162	PIPE 2.5	.311	4.818	1	.120	7.682		1	14558...	50715	3.596	3.596	2.4...	H1...
47	M202	PIPE 2.5	.303	4.818	10	.122	8.464		1	14558...	50715	3.596	3.596	2.8...	H1...
48	M161	PIPE 2.5	.299	4.818	7	.128	7.682		1	14558...	50715	3.596	3.596	2.0...	H1...
49	M118	HSS3X3X3	.294	0	7	.098	0	z	7	77433...	78246	6.796	6.796	2.2...	H1...
50	M188	PIPE 2.0	.284	1.333	6	.106	0		7	30993...	32130	1.872	1.872	1.7...	H1...
51	M152	PIPE 2.0	.278	0	28	.091	0		13	23117...	32130	1.872	1.872	2.2...	H1...
52	M27	PIPE 2.0	.266	0	44	.097	0		7	30993...	32130	1.872	1.872	2.2...	H1...
53	M189	PIPE 2.0	.260	0	20	.089	0		8	30993...	32130	1.872	1.872	2.2...	H1...
54	MP1A	PIPE 2.0	.255	1	23	.163	.917		5	14916...	32130	1.872	1.872	1.7...	H1...
55	M29	PIPE 2.0	.252	0	30	.055	0		1	30993...	32130	1.872	1.872	2.2...	H1...
56	M20	HSS3X3X3	.250	0	1	.080	0	z	7	77433...	78246	6.796	6.796	1.5...	H1...
57	M122A	PIPE 2.0	.248	4.183	5	.028	8.366		24	13883...	32130	1.872	1.872	1.1...	H1...
58	MP3C	PIPE 2.0	.246	1	13	.069	3.917		4	14916...	32130	1.872	1.872	2.3...	H1...
59	M123A	PIPE 2.0	.233	4.174	3	.034	0		13	13442...	32130	1.872	1.872	1.1...	H1...
60	M116	HSS3X3X3	.224	1.184	1	.084	1.184	z	1	77433...	78246	6.796	6.796	2.1...	H1...
61	M229	PIPE 2.0	.202	0	14	.085	0		10	30993...	32130	1.872	1.872	2.2...	H1...
62	M153	PIPE 2.0	.201	0	8	.028	0		21	8058....	32130	1.872	1.872	2.52	H1...
63	M121	PIPE 2.0	.199	8.805	24	.034	0		13	12682...	32130	1.872	1.872	1.1...	H1...
64	M153A	PIPE 1.5	.190	0	10	.060	0		10	11277...	23593.5	1.105	1.105	1.1...	H1...
65	M187	PIPE 2.0	.178	2.667	13	.071	0		1	30993...	32130	1.872	1.872	2.2...	H1...
66	M18	HSS3X3X3	.175	1.184	1	.065	1.184	z	1	77433...	78246	6.796	6.796	1.8...	H1...
67	M216	HSS3X3X3	.172	1.184	10	.067	1.184	z	10	77433...	78246	6.796	6.796	2.1...	H1...
68	M227	PIPE 2.0	.172	2.667	17	.068	0		4	30993...	32130	1.872	1.872	2.2...	H1...
69	M176	HSS3X3X3	.166	1.184	7	.060	1.184	z	7	77433...	78246	6.796	6.796	2.1...	H1...
70	M203	HSS3X3X3	.160	1.184	10	.062	1.184	z	10	77433...	78246	6.796	6.796	2.2...	H1...

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

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...]	Dir	LC	phi*P...	phi*Pnt [...]	phi*Mn ...	phi*Mn z...	Cb	Eqn
71	M163	HSS3X3X3	.159	1.184	7	.056	1.184	z	7	77433...	78246	6.796	6.796	2.2...	H1...
72	M165	HSS3X3X3	.155	0	11	.061	1.184	z	11	77433...	78246	6.796	6.796	2.1...	H1...
73	M127	PIPE 2.0	.152	2.667	37	.061	2.667		1	29504...	32130	1.872	1.872	2.2...	H1...
74	M204	HSS3X3X3	.141	.667	3	.062	.667	y	4	77217...	78246	6.796	6.796	1.5...	H1...
75	M151A	PIPE 1.5	.140	6.327	1	.071	0		7	11099...	23593.5	1.105	1.105	1.1...	H1...
76	M172	PIPE 2.0	.139	2.667	13	.056	0		1	29504...	32130	1.872	1.872	2.2...	H1...
77	M205	HSS3X3X3	.136	0	2	.056	1.184	z	7	77433...	78246	6.796	6.796	1.7...	H1...
78	M164	HSS3X3X3	.127	.667	12	.065	.667	y	1	77217...	78246	6.796	6.796	1.4...	H1...
79	M177	HSS3X3X3	.126	.667	18	.053	.667	y	6	77217...	78246	6.796	6.796	1.2...	H1...
80	M171	PIPE 2.0	.125	2.667	19	.053	2.667		7	29504...	32130	1.872	1.872	2.2...	H1...
81	M19	HSS3X3X3	.125	.667	1	.079	.667	y	2	77217...	78246	6.796	6.796	1.4...	H1...
82	M152A	PIPE 1.5	.124	6.33	6	.059	0		8	11089...	23593.5	1.105	1.105	1.1...	H1...
83	M178	HSS3X3X3	.124	0	1	.051	1.184	y	13	77433...	78246	6.796	6.796	2.2...	H1...
84	M128	PIPE 2.0	.124	0	7	.058	0		7	29504...	32130	1.872	1.872	2.2...	H1...
85	M211	PIPE 2.0	.116	2.667	22	.063	2.667		10	29504...	32130	1.872	1.872	2.2...	H1...
86	M217	HSS3X3X3	.115	.667	9	.054	.667	y	10	77217...	78246	6.796	6.796	1.5...	H1...
87	M212	PIPE 2.0	.115	0	4	.056	0		4	29504...	32130	1.872	1.872	2.21	H1...
88	M117	HSS3X3X3	.113	.667	7	.059	.667	z	1	77217...	78246	6.796	6.796	1.3...	H1...
89	M218	HSS3X3X3	.107	0	10	.043	1.184	y	4	77433...	78246	6.796	6.796	1.28	H1...
90	M28	PIPE 2.0	.102	0	30	.030	0		2	30993...	32130	1.872	1.872	2.2...	H1...
91	M125A	PIPE 2.0	.081	4.183	11	.028	8.366		13	13883...	32130	1.872	1.872	1.1...	H1...
92	M126A	PIPE 2.0	.080	4.263	8	.034	0		13	13442...	32130	1.872	1.872	1.1...	H1...
93	M124A	PIPE 2.0	.074	4.403	15	.034	0		13	12682...	32130	1.872	1.872	1.1...	H1...
94	M186	PIPE 2.0	.073	0	4	.035	2.667		1	30993...	32130	1.872	1.872	2.1...	H1...
95	M185	PIPE 2.0	.073	2.667	7	.048	0		7	30993...	32130	1.872	1.872	2.2...	H1...
96	M226	PIPE 2.0	.068	0	19	.031	2.667		4	30993...	32130	1.872	1.872	2.2...	H1...
97	M25	PIPE 2.0	.066	0	8	.052	0		1	30993...	32130	1.872	1.872	2.3...	H1...
98	M225	PIPE 2.0	.065	2.667	10	.054	0		10	30993...	32130	1.872	1.872	3.1...	H1...
99	M24	SR 0.5	.000	0	51	.000	0		51	571.3...	6350.4	.052	.052	1	H1...
100	M184	SR 0.5	.000	0	51	.000	0		51	571.3...	6350.4	.052	.052	1	H1...
101	M224	SR 0.5	.000	0	51	.000	0		51	571.3...	6350.4	.052	.052	1	H1...



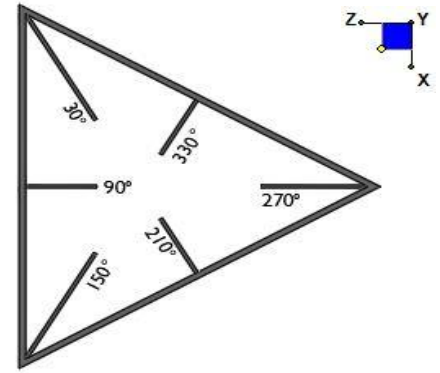
Client:	Verizon Wireless	Date:	4/22/2021
Site Name:	LEDYARD NORTH CT - A		
Project No.	21777102A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check - Proposed Standoff

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N214A	120
N253C	300
N215A	210



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

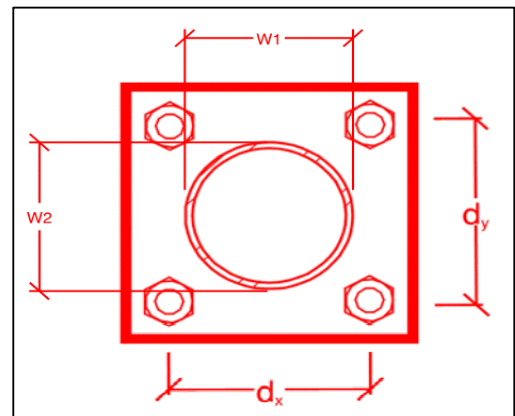
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
12.3
6.2
20.7
12.4
14.9%*
12.6%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

ΦR_n (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
8.25
8.25
3
3
50
0.75
5
6.96
3.05
22.7%
43.9%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in) :	4.0
$\Phi M_{n_{xx}}$ (kip-in) :	52.2
$M_{u_{yy}}$ (kip-in) :	7.9
$\Phi M_{n_{yy}}$ (kip-in) :	52.2



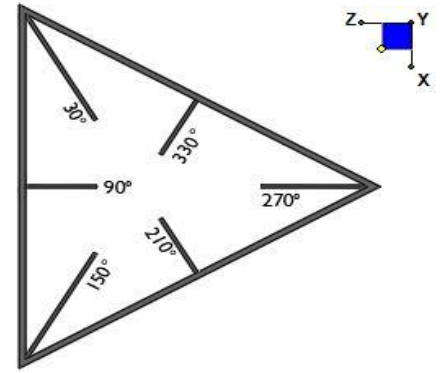
Client:	Verizon Wireless	Date:	4/22/2021
Site Name:	LEDYARD NORTH CT - A		
Project No.	21777102A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N36	120
N34A	120
N331	300
N336	300
N293A	210
N402	210



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

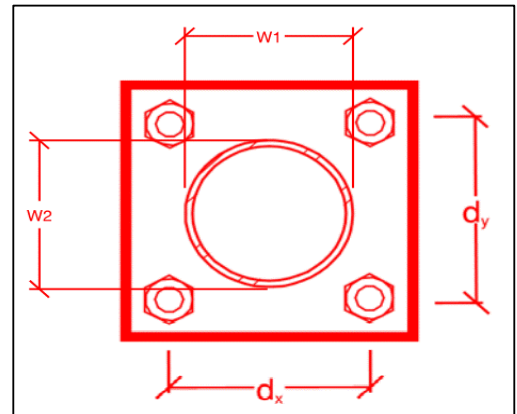
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
2
4
0.1
A325N
0.75
4.2
7.1
29.8
17.9
7.0%*
19.8%



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

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:

Response:

Schedule A – Photo & Document File Structure



VzW Site Number / Name



Base & “During Installation” Photos



Pre-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Post-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Photos of climbing facility and safety climb – If Present



Certifications – Submission of this document including certifications



Specific Required Additional Photos

Sector: A

4/22/2021

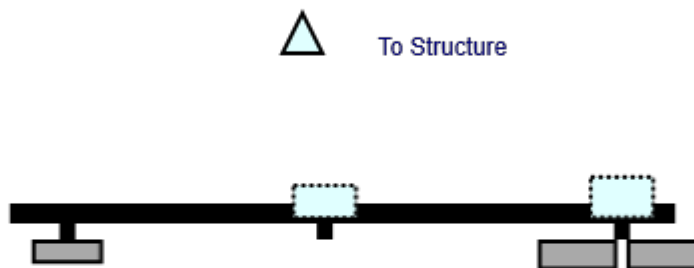
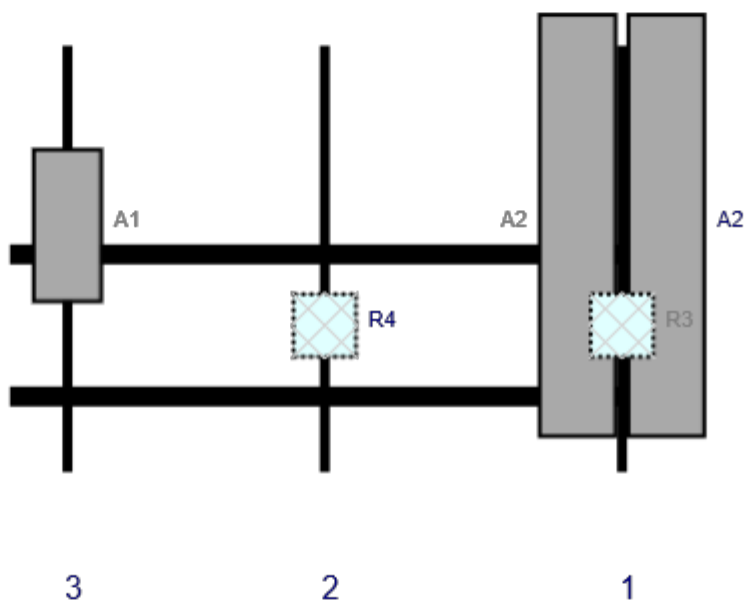
Structure Type: Monopole

Mount Elev: 124.30

Page: 1



Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	SBNHH-1D45C	95.9	18	138	1	a	Front	40.5	10	Retained	02/09/2021
A2	SBNHH-1D45C	95.9	18	138	1	b	Front	40.5	-10	Retained	02/09/2021
R3	B2/B66A RRH-BR049	15	15	138	1	a	Behind	63	0	Added	
R4	B5/B13 RRH-BR04C	15	15	71	2	a	Behind	63	0	Added	
A1	VZS01	35.1	16.1	13	3	a	Front	40.5	0	Added	

Sector: **B**

4/22/2021

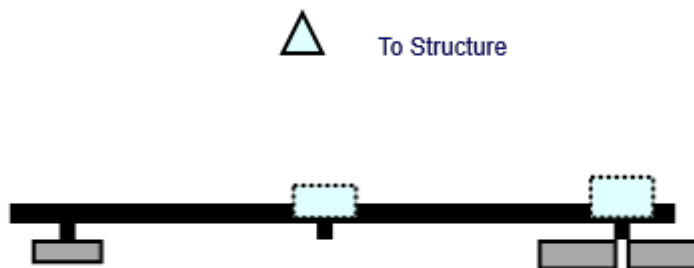
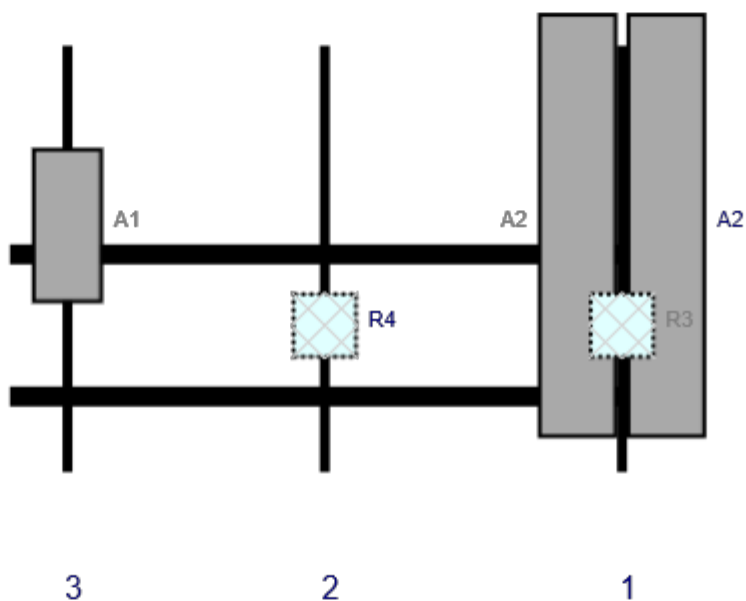
Structure Type: Monopole

Mount Elev: 124.30

Page: 2



Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	SBNHH-1D45C	95.9	18	138	1	a	Front	40.5	10	Retained	02/09/2021
A2	SBNHH-1D45C	95.9	18	138	1	b	Front	40.5	-10	Retained	02/09/2021
R3	B2/B66A RRH-BR049	15	15	138	1	a	Behind	63	0	Added	
R4	B5/B13 RRH-BR04C	15	15	71	2	a	Behind	63	0	Added	
A1	VZS01	35.1	16.1	13	3	a	Front	40.5	0	Added	

Sector: C

4/22/2021

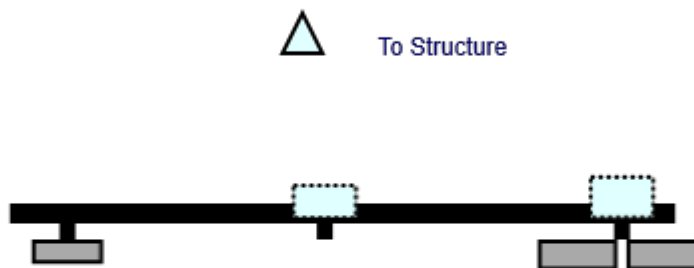
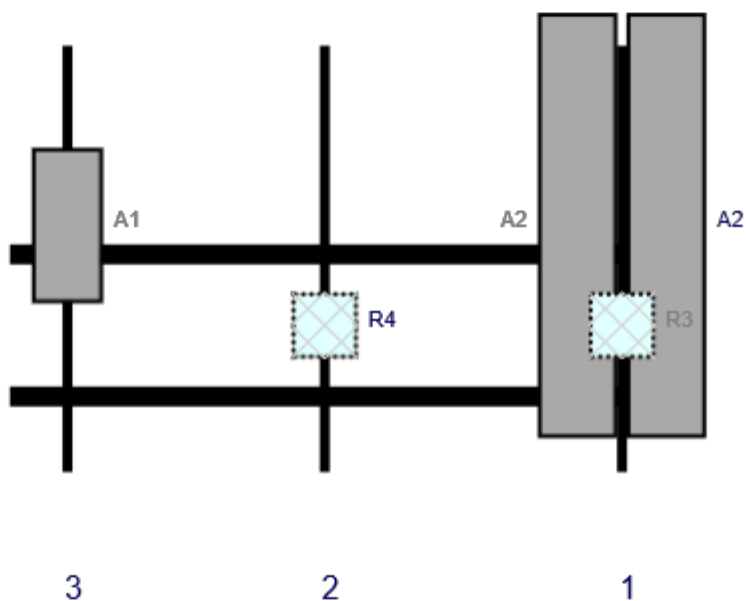
Structure Type: Monopole

Mount Elev: 124.30

Page: 3



Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	SBNHH-1D45C	95.9	18	138	1	a	Front	40.5	10	Retained	02/09/2021
A2	SBNHH-1D45C	95.9	18	138	1	b	Front	40.5	-10	Retained	02/09/2021
R3	B2/B66A RRH-BR049	15	15	138	1	a	Behind	63	0	Added	
R4	B5/B13 RRH-BR04C	15	15	71	2	a	Behind	63	0	Added	
A1	VZS01	35.1	16.1	13	3	a	Front	40.5	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H-Usage

Site Information

Site ID: 468220-VZW / LEDYARD NORTH CT - A
Site Name: LEDYARD NORTH CT - A
Carrier Name: Verizon Wireless
Address: 12 Orchard Drive
Ledyard, Connecticut 06335
New London County
Latitude: 41.46827777°
Longitude: -72.05447222°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 12.50-Ft Combined Sector Frame

To Whom It May Concern,

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

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The 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,

Alec S. Norris, P.E.
Senior Project Manager

March 29, 2021

Mr. Andrew Leone
Verizon Wireless
20 Alexander Dr.
Wallingford, CT 06492

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

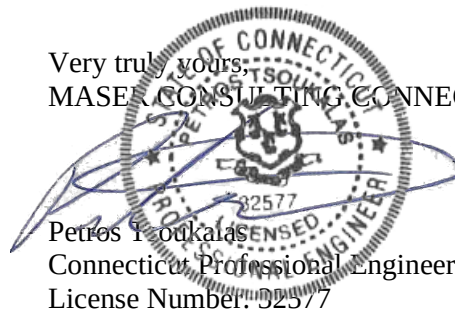
Dear Mr. Leone,

This letter is intended to clarify and confirm the antenna naming convention used by Verizon Wireless as a part of an antenna upgrade project on numerous wireless facilities.

The antenna naming convention “Licensed Sub-6, L-Sub6, nL-Sub6, VZS01” and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the “Antenna Mount Analysis”.

If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,
MASER CONSULTING CONNECTICUT



Petros I. Ioukalas
Connecticut Professional Engineer
License Number: 32577

\\mch\hda\178\46232\LEDYARD NORTH CT - A_HoanhsuDrawing_210103.dwg\$C1 By: JFASER

BILL OF MATERIALS				
VZWSMART KITS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-SFK4	T-ARM KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
9		VZWSMART-MSK2	CROSSOVER PLATE	
6		VZWSMART-MSK1	CROSSOVER PLATE	
OTHER REQUIRED PARTS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	156" LONG, P2.0 STD. PIPE	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3	-	-	150" LONG, P3.0 STD. PIPE	GALVANIZED

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



WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty through Client Satisfaction
www.maserconsulting.com
Office Locations:

■ NEW JERSEY

■ NEW YORK

■ PENNSYLVANIA

■ VIRGINIA

■ FLORIDA

■ NORTH CAROLINA

■ SOUTH CAROLINA

■ NEW MEXICO

■ MARYLAND

■ GEORGIA

■ TEXAS

■ TENNESSEE

■ COLORADO

Copyright © 2021, Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Maser Consulting.





PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF
EXCAVATORS, DESIGNERS, OR ANY PERSON
PREPARING TO DISTURB THE EARTH'S
SURFACE ANYWHERE IN ANY STATE

Know what's below.
Call before you dig.

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

SCALE : AS SHOWN JOB NUMBER: 21777102A

0	04/28/2021	ISSUED FOR CONSTRUCTION	JRF	ASN
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

ALEC S. NORRIS

CONNECTICUT PROFESSIONAL ENGINEER

LICENSE NUMBER: PE32588

MASER CONSULTING

C.T. C.O.A #: JPC.0000131

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:

LEDYARD NORTH CT - A
468220

12 ORCHARD DRIVE
LEDYARD, CT 06335
NEW LONDON COUNTY



MT. LAUREL OFFICE
2000 Pridmore Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:

BILL OF MATERIALS

SHEET NUMBER:

S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\\mch\share\14788\46323\270\ LEDYARD NORTH CT - A.dwg 3/10/2013 10:03:11 By: JFASER

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 = 126 MPH
- b. EXPOSURE CATEGORY C
- c. TOPOGRAPHIC CATEGORY I
- d. MEAN BASE ELEVATION (AMSL) = 173.63'

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 = .192
- c. LONG TERM MCER GROUND MOTION, S₁ = .053

STRUCTURAL STEEL

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

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
 - b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. 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.



WILL BE KNOWN AS COLLIER ENGINEERING & DESIGN IN 2021
Customer Loyalty through Client Satisfaction
www.maserconsulting.com
Office Locations:

- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA

- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

Copyright © 2021, Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Maser Consulting.



PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

Know what's below.
Call before you dig.

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

SCALE: AS SHOWN JOB NUMBER: 21777102A

0	04/28/2021	ISSUED FOR CONSTRUCTION	JRF	ASN	
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	

ALEC S. NORRIS
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: PE32588
MASER CONSULTING
C.T. C.O.A.#: JPC.0000131

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:

LEDYARD NORTH CT - A
468220
12 ORCHARD DRIVE
LEDYARD, CT 06335
NEW LONDON COUNTY



MT. LAUREL OFFICE
2000 Middanc Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1130

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:

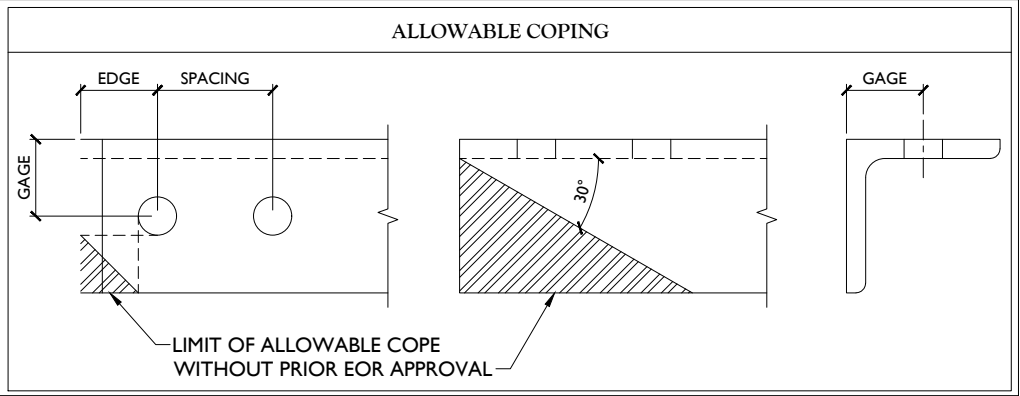
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

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:

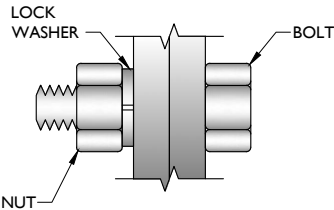
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - BOLT INSTALLATION
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR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

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



BOLT SCHEDULE (IN.)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 7/16	1 7/16 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:

- 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.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
- MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

WILL BE KNOWN AS COLLIER ENGINEERING & DESIGN IN 2021
Customer Loyalty through Client Satisfaction
www.maserconsulting.com
Office Locations:

- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA

- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

Copyright © 2021, Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Maser Consulting.



PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

Know what's below.
Call before you dig.

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

SCALE: AS SHOWN		JOB NUMBER: 21777102A	
0	04/28/2021	ISSUED FOR CONSTRUCTION	JRF ASN
REV	DATE	DESCRIPTION	DRAWN BY CHECKED BY

ALEC S. NORRIS

CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: PE32588
MASER CONSULTING
C.T. C.O.A.#: JPC0000131

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:

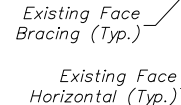
Ledyard North CT - A
468220
12 Orchard Drive
Ledyard, CT 06335
New London County

MT. LAUREL OFFICE
2000 Piedmont Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

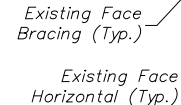


1

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 2/9/2002, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (124.3') 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.



2

SCALE : N.T.S.

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. CONNECT NEW TIE BACK TO EXISTING MOUNT PIPES WITH CROSSOVER PLATES (PART#: VZWSMART-MSK1).
4. CONNECT OTHER END OF T-ARM KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).



MASER
CONSULTING CONNECTICUT

WILL BE KNOWN AS COLLIER ENGINEERING & DESIGN IN 2021

Customer Loyalty through Client Satisfaction

www.maserconsulting.com

Office Locations:

■ NEW JERSEY	■ NEW MEXICO
■ NEW YORK	■ MARYLAND
■ PENNSYLVANIA	■ GEORGIA
■ VIRGINIA	■ TEXAS
■ FLORIDA	■ TENNESSEE
■ NORTH CAROLINA	■ COLORADO
■ SOUTH CAROLINA	

Copyright © 2021 Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted to whom it is certified. This drawing may not be copied, revised, displayed, distributed or relied upon for other purposes without the express written consent of Maser Consulting.



SCALE: AS SHOWN		JOB NUMBER: 21777102A	
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100
101	102	103	104
105	106	107	108
109	110	111	112
113	114	115	116
117	118	119	120
121	122	123	124
125	126	127	128
129	130	131	132
133	134	135	136
137	138	139	140
141	142	143	144
145	146	147	148
149	150	151	152
153	154	155	156
157	158	159	160
161	162	163	164
165	166	167	168
169	170	171	172
173	174	175	176
177	178	179	180
181	182	183	184
185	186	187	188
189	190	191	192
193	194	195	196
197	198	199	200
201	202	203	204
205	206	207	208
209	210	211	212
213	214	215	216
217	218	219	220
221	222	223	224
225	226	227	228
229	230	231	232
233	234	235	236
237	238	239	240
241	242	243	244
245	246	247	248
249	250	251	252
253	254	255	256
257	258	259	260
261	262	263	264
265	266	267	268
269	270	271	272
273	274	275	276
277	278	279	280
281	282	283	284
285	286	287	288
289	290	291	292
293	294	295	296
297	298	299	300
301	302	303	304
305	306	307	308
309	310	311	312
313	314	315	316
317	318	319	320
321	322	323	324
325	326	327	328
329	330	331	332
333	334	335	336
337	338	339	340
341	342	343	344
345	346	347	348
349	350	351	352
353	354	355	356
357	358	359	360
361	362	363	364
365	366	367	368
369	370	371	372
373	374	375	376
377	378	379	380
381	382	383	384
385	386	387	388
389	390	391	392
393	394	395	396
397	398	399	400
401	402	403	404
405	406	407	408
409	410	411	412
413	414	415	416
417	418	419	420
421	422	423	424
425	426	427	428
429	430	431	432
433	434	435	436
437	438	439	440
441	442	443	444
445	446	447	448
449	450	451	452
453	454	455	456
457	458	459	460
461	462	463	464
465	466	467	468
469	470	471	472
473	474	475	476
477	478	479	480
481	482	483	484
485	486	487	488
489	490	491	492
493	494	495	496
497	498	499	500
501	502	503	504
505	506	507	508
509	510	511	512
513	514	515	516
517	518	519	520
521	522	523	524
525	526	527	528
529	530	531	532
533	534	535	536
537	538	539	540
541	542	543	544
545	546	547	548
549	550	551	552
553	554	555	556
557	558	559	560
561	562	563	564
565	566	567	568
569	570	571	572
573	574	575	576
577	578	579	580
581	582	583	584
585	586	587	588
589	590	591	592
593	594	595	596
597	598	599	600
601	602	603	604
605	606	607	608
609	610	611	612
613	614	615	616
617	618	619	620
621	622	623	624
625	626	627	628
629	630	631	632
633	634	635	636
637	638	639	640
641	642	643	644
645	646	647	648
649	650	651	652
653	654	655	656
657	658	659	660
661	662	663	664
665	666	667	668
669	670	671	672
673	674	675	676
677	678	679	680
681	682	683	684
685	686	687	688
689	690	691	692
693	694	695	696
697	698	699	700
701	702	703	704
705	706	707	708
709	710	711	712
713	714	715	716
717	718	719	720
721	722	723	724
725	726	727	728
729	730	731	732
733	734	735	736
737	738	739	740
741	742	743	744
745	746	747	748
749	750	751	752
753	754	755	756
757	758	759	760
761	762	763	764
765	766	767	768
769	770	771	772
773	774	775	776
777	778	779	780
781	782	783	784
785	786	787	788
789	790	791	792
793	794	795	796
797	798	799	800
801	802	803	804
805	806	807	808
809	810	811	812
813	814	815	816
817	818	819	820
821	822	823	824
825	826	827	828
829	830	831	832
833	834	835	836
837	838	839	840
841	842	843	844
845	846	847	848
849	850	851	852
853	854	855	856
857	858	859	860
861	862	863	864
865	866	867	868
869	870	871	872
873	874	875	876
877	878	879	880
881	882	883	884
885	886	887	888
889	890	891	892
893	894	895	896
897	898	899	900
901	902	903	904
905	906	907	908
909	910	911	912
913	914	915	916
917	918	919	920
921	922	923	924
925	926	927	928
929	930	931	932
933	934	935	936
937	938	939	940
941	942	943	944
945	946	947	948
949	950	951	952
953	954	955	956
957	958	959	960
961	962	963	964
965	966	967	968
969	970	971	972
973	974	975	976
977	978	979	980
981	982	983	984
985	986	987	988
989	990	991	992
993	994	995	996
997	998	999	1000
1001	1002	1003	1004
1005	1006	1007	1008
1009	1010	1011	1012
1013	1014	1015	1016
1017	1018	1019	1020
1021	1022	1023	1024
1025	1026	1027	1028
1029	1030	1031	1032
1033	1034	1035	1036
1037	1038	1039	1040
1041	1042	1043	1044
1045	1046	1047	1048
1049	1050	1051	1052
1053	1054	1055	1056
1057	1058	1059	1060
1061	1062	1063	1064
1065	1066	1067	1068
1069	1070	1071	1072
1073	1074	1075	1076
1077	1078	1079	1080
1081	1082	1083	1084
1085	1086	1087	1088
1089	1090	1091	1092
1093	1094	1095	1096
1097	1098	1099	1100
1101	1102	1103	1104
1105	1106	1107	1108
1109	1110	1111	1112
1113	1114	1115	1116
1117	1118	1119	1120
1121	1122	1123	1124
1125	1126	1127	1128
1129	1130	1131	1132
1133	1134	1135	1136
1137	1138	1139	1140
1141	1142	1143	1144
1145	1146	1147	1148
1149	1150	1151	1152
1153	1154	1155	1156
1157	1158	1159	1160
1161	1162	1163	1164
1165	1166	1167	1168
1169	1170	1171	1172
1173	1174	1175	1176
1177	1178	1179	1180
1181	1182	1183	1184
1185	1186	1187	1188
1189	1190	1191	1192
1193	1194	1195	1196
1197	1198	1199	1200
1201	1202	1203	1204
1205	1206	1207	1208
1209	1210	1211	1212
1213	1214	1215	1216
1217	1218	1219	1220
1221	1222	1223	1224
1225	1226	1227	1228
1229	1230	1231	1232
1233	1234	1235	1236
1237	1238	1239	1240
1241	1242	1243	1244
1245	1246	1247	1248
1249	1250	1251	1252
1253	1254	1255	1256
1257	1258	1259	1260
1261	1262	1263	1264
1265	1266	1267	1268
1269	1270	1271	1272
1273	1274	1275	1276
1277	1278	1279	1280
1281	1282	1283	1284
1285	1286	1287	1288
1289	1290	1291	1292
1293	1294	1295	1296
1297	1298	1299	1300
1301	1302	1303	1304
1305	1306	1307	1308
1309	1310	1311	1312
1313	1314	1315	1316
1317	1318	1319	1320
1321	1322	1323	1324
1325	1326	1327	1328
1329	1330	1331	1332
1333	1334	1335	1336
1337	1338	1339	1340
1341	1342	1343	1344
1345			

ALEC S. NORRIS
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: PE32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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.

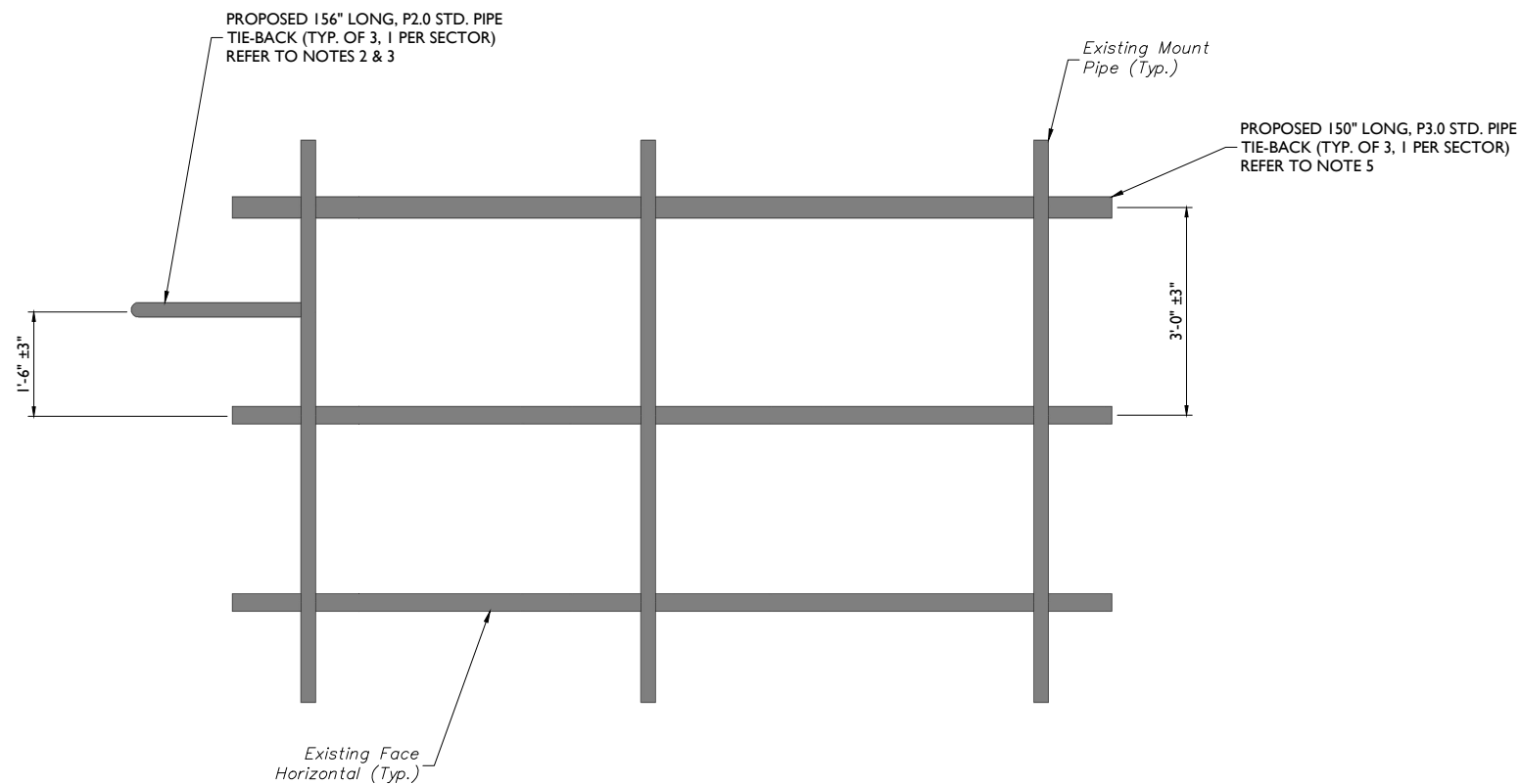
SITE NAME:

LEDYARD NORTH CT - A
468220
12 ORCHARD DRIVE
LEDYARD, CT 06335
NEW LONDON COUNTY

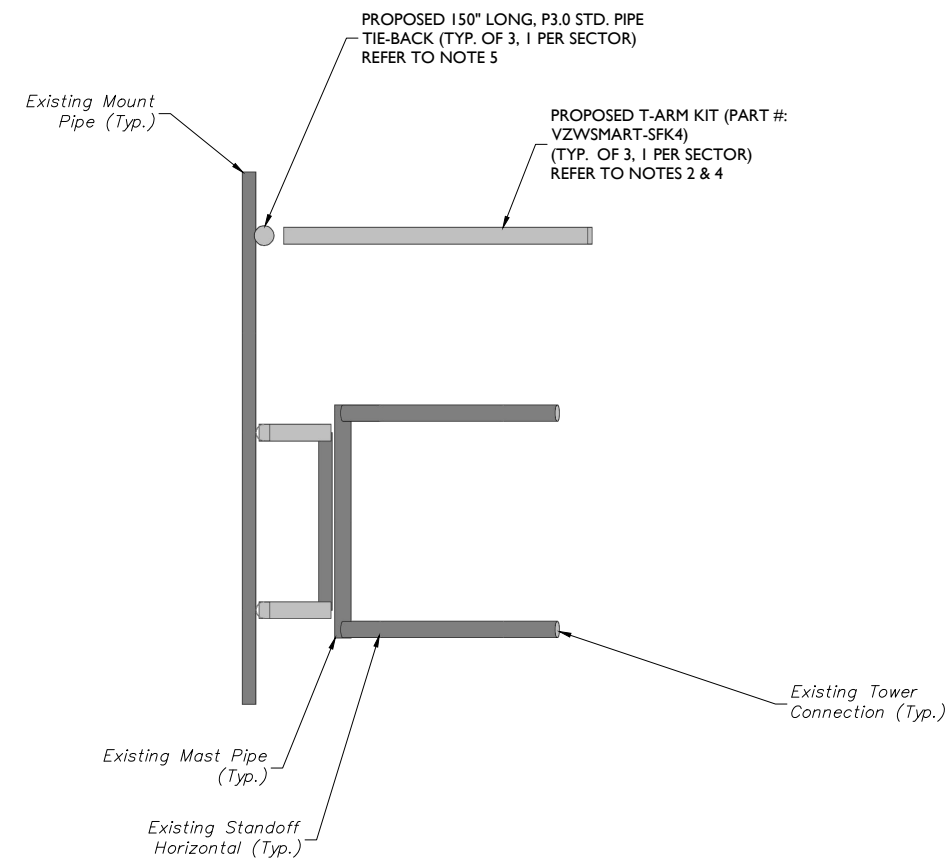


SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER : S-4



1 PROPOSED FRONT ELEVATION (TYP. EACH SECTOR)
SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. EACH SECTOR)
SCALE : N.T.S.

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. CONNECT NEW TIE BACK TO EXISTING MOUNT PIPES WITH CROSSOVER PLATES (PART#: VZWSMART-MSK1).
4. CONNECT OTHER END OF T-ARM KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).



WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:

- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

Copyright © 2021, Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Maser Consulting.



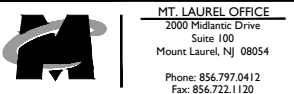
SCALE: AS SHOWN		JOB NUMBER: 21777102A	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	04/28/2021	ISSUED FOR CONSTRUCTION	ASB
REV	DATE	DESCRIPTION	CHECKED BY

ALEC S. NORRIS
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: PE32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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:

LEDYARD NORTH CT - A
468220
12 ORCHARD DRIVE
LEDYARD, CT 06335
NEW LONDON COUNTY



SHEET TITLE :

MODIFICATION DETAILS

SHEET NUMBER : S-5



MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4



WILL BE KNOWN AS COLLIER ENGINEERING & DESIGN IN 2021
Customer Loyalty through Client Satisfaction
www.maserconsulting.com

Office Locations:

- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA

- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

Copyright © 2021, Maser Consulting All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Maser Consulting.





PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

Know what's below.
Call before you dig.

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

SCALE: AS SHOWNJOB NUMBER: 21777102A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	04/28/2021	ISSUED FOR CONSTRUCTION	JRF	ASN

ALEC S. NORRIS

CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: PE32588
MASER CONSULTING
C.T. C.O.A.#: JPC.0000131

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:

LEDYARD NORTH CT - A
468220

12 ORCHARD DRIVE
LEDYARD, CT 06335
NEW LONDON COUNTY



MT. LAUREL OFFICE
2000 Midland Drive
Suite 100
Mount Laurel, NJ 08054

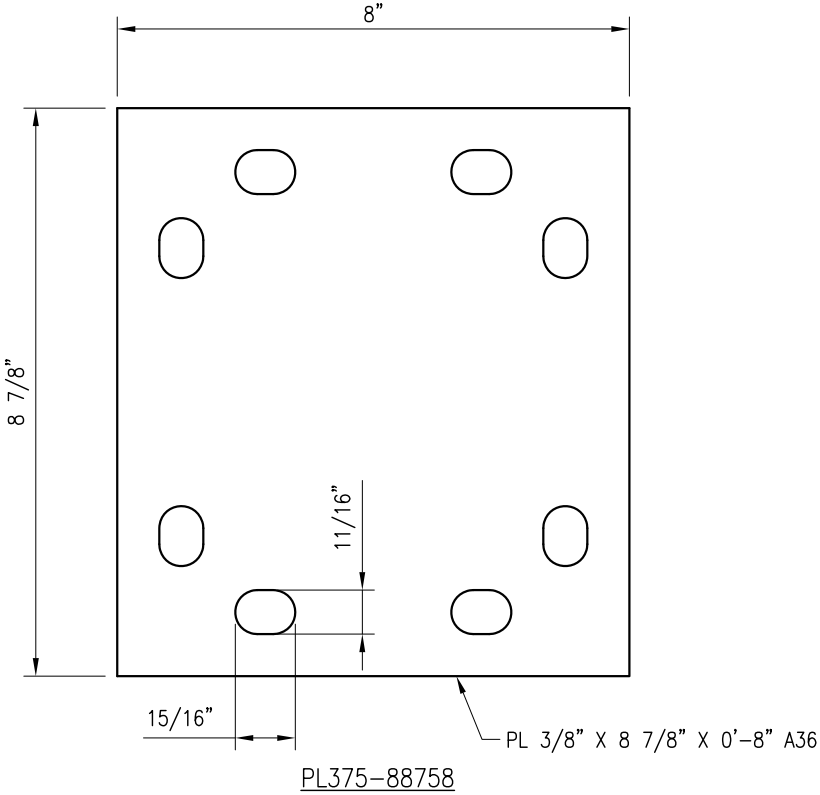
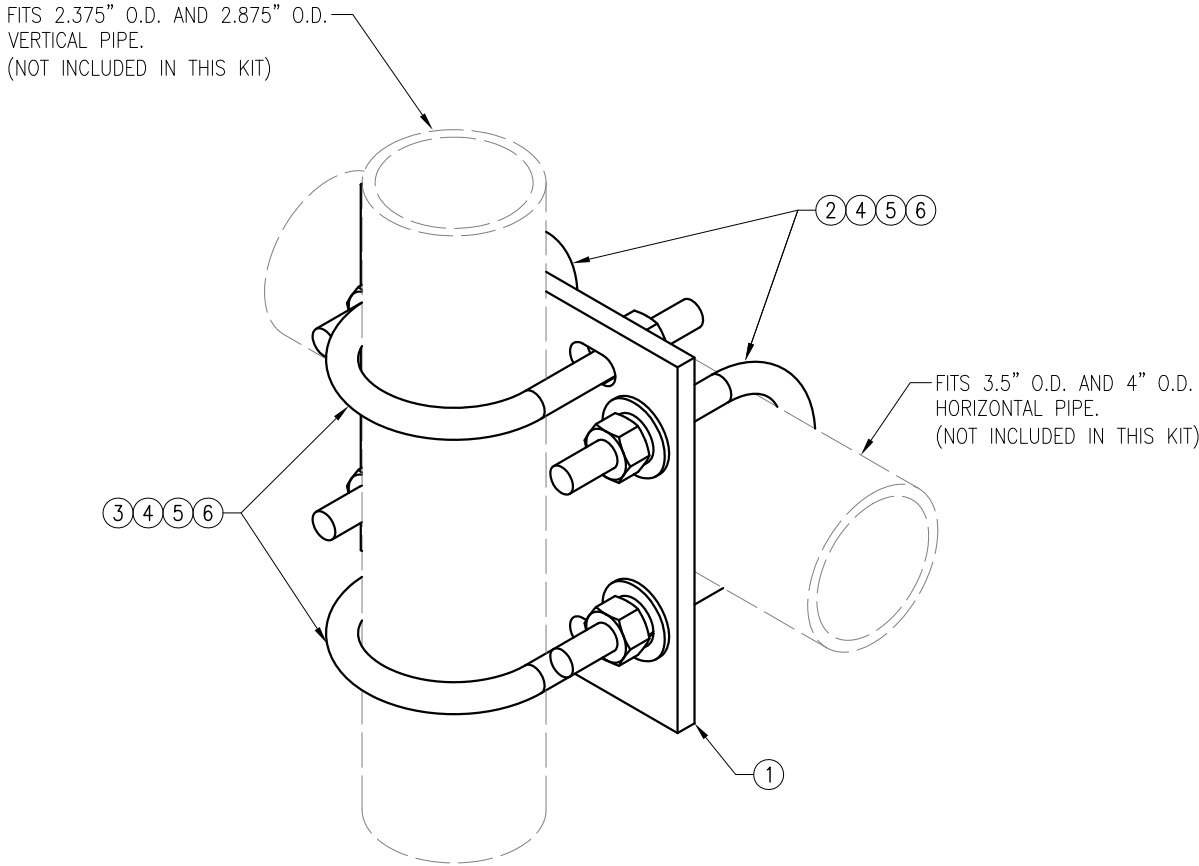
Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
S-6

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

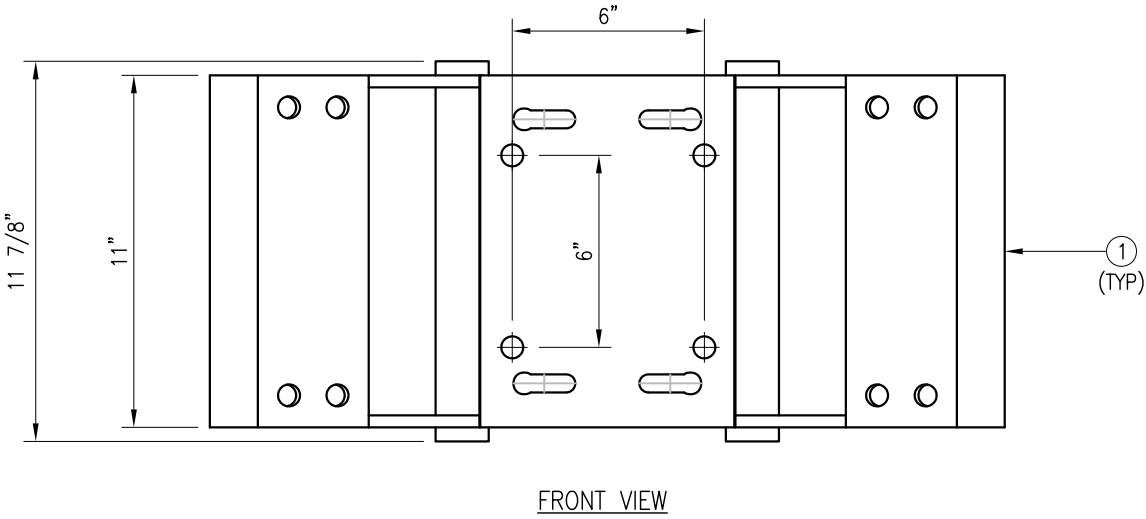
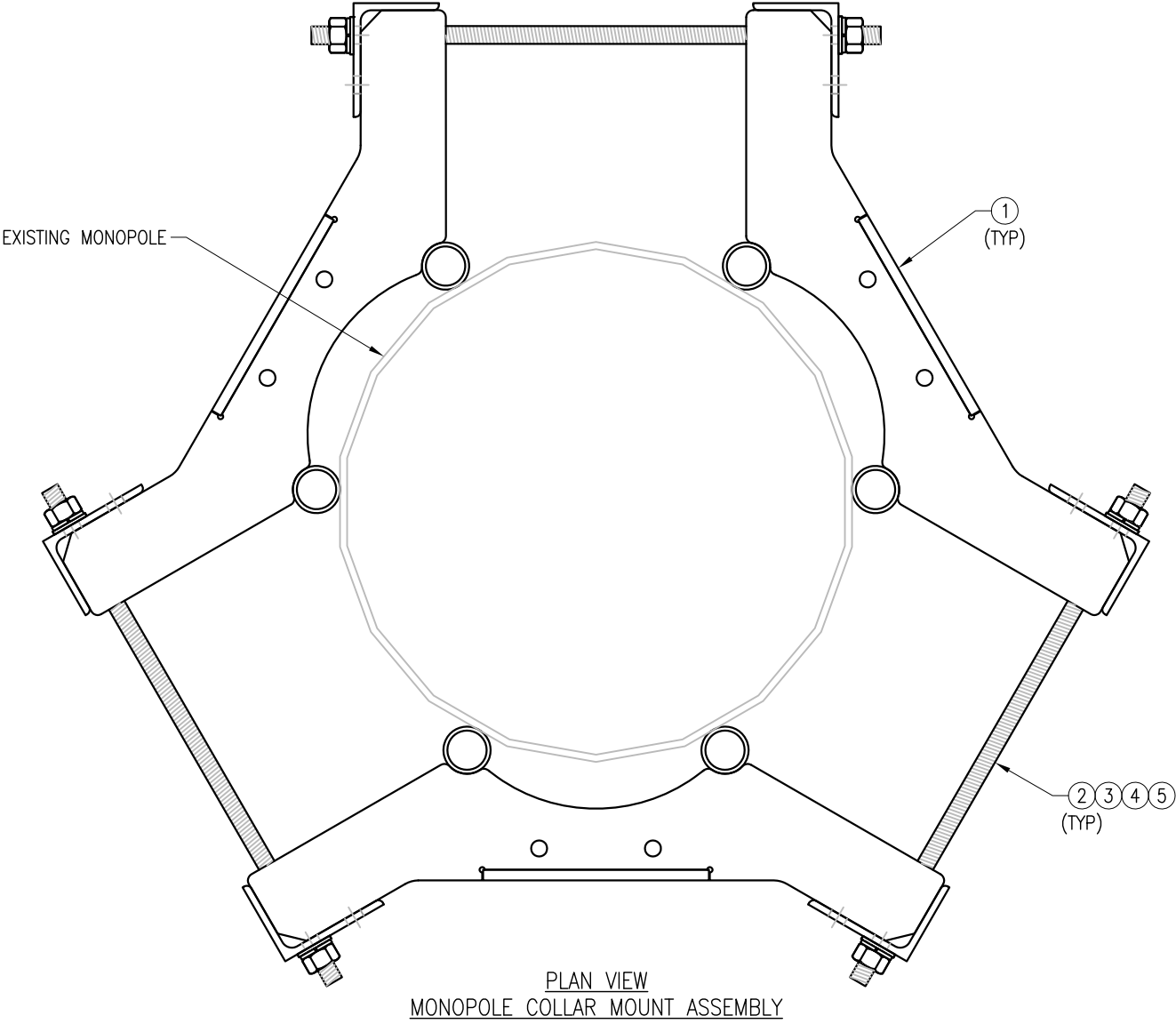
4/28/2021 1:00 PM L:\Projects\2021\LEDYARD NORTH CT - A\MountPhotoDrawings\210703.dwg By: JRF/ASN



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

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	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	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

DRAWN BY: H.R		CHECKED BY: HMA	
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20
SHEET TITLE:			
VZWSMART-MSK2 CROSSOVER PLATE			
SHEET NUMBER:		REV #:	
VZWSMART-MSK2		0	



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

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

DRAWN BY: BT CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

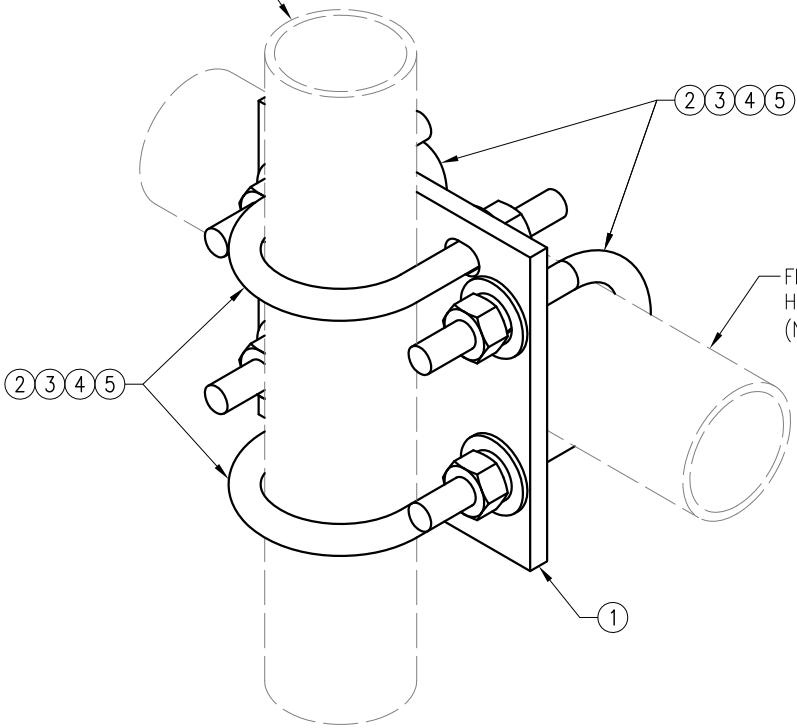
SHEET NUMBER:
VZWSMART-PLK7

REV #:
0

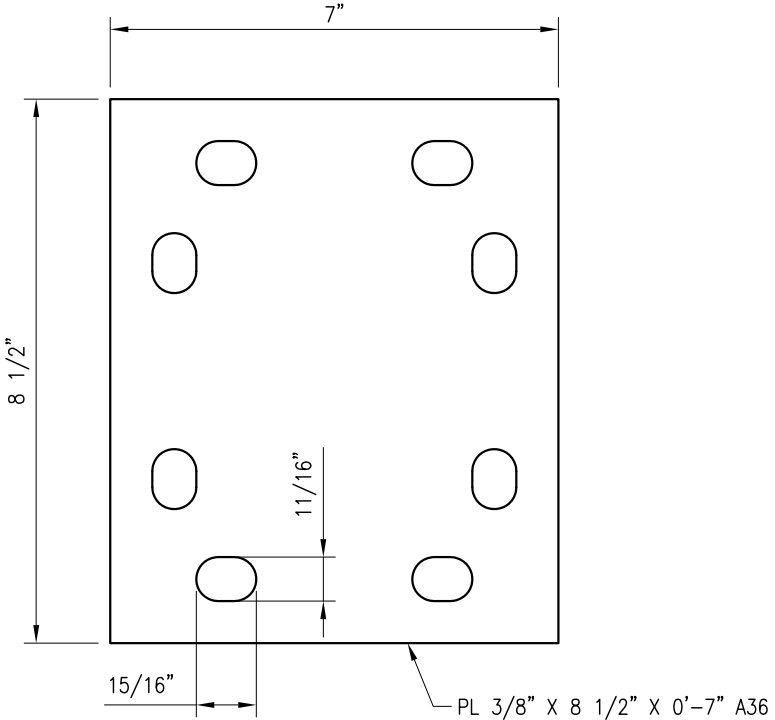
0



FITS 2.375" O.D. AND 2.875" O.D.
VERTICAL PIPE.
(NOT INCLUDED IN THIS KIT)



FITS 2.375" O.D. AND 2.875" O.D.
HORIZONTAL PIPE.
(NOT INCLUDED IN THIS KIT)



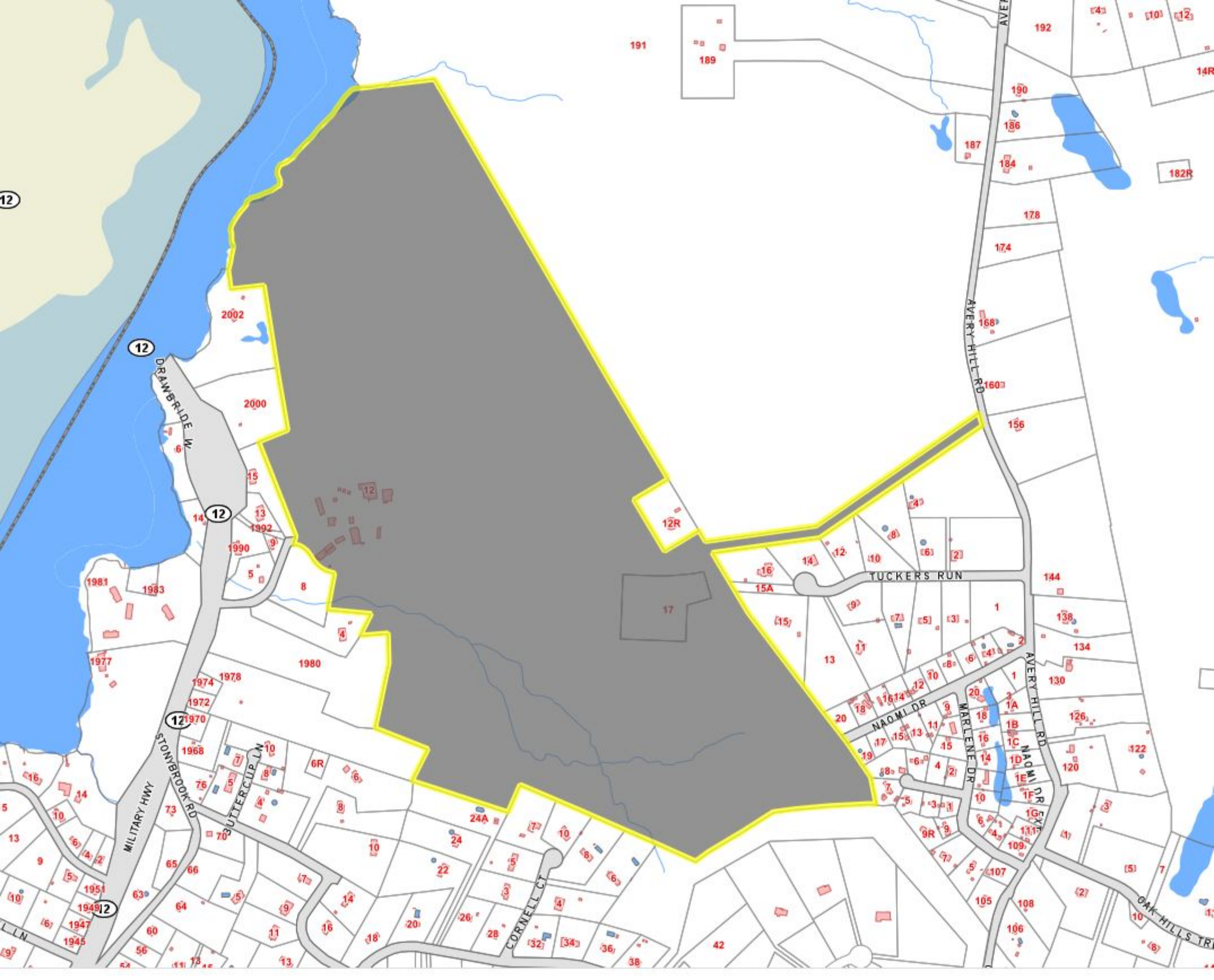
PL375-857

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

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

DRAWN BY: H.R		CHECKED BY: HMA	
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20
1			
2			
3			
4			
SHEET TITLE:			
VZWSMART-MSK1 CROSSOVER PLATE			
SHEET NUMBER:		REV #:	
VZWSMART-MSK1		0	

ATTACHMENT 5



Town of Ledyard Property Summary Report

12 ORCHARD DR

PARCEL ID:	24-1790-12
LOCATION:	12 ORCHARD DR
OWNER NAME:	HOLMBERG RICHARD H + DIANE Y

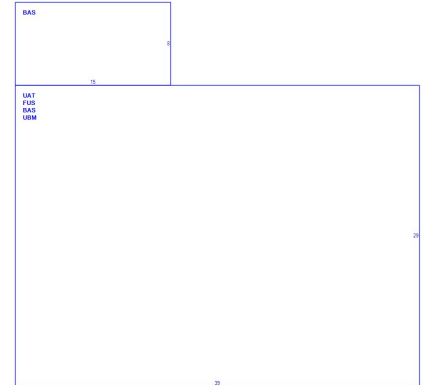


OWNER OF RECORD

HOLMBERG RICHARD H + DIANE Y

4 ORCHARD DR

GALES FERRY, CT 06339



LIVING AREA:	2382	ZONING:	R40	ACREAGE:	139.61
---------------------	------	----------------	-----	-----------------	--------

SALES HISTORY

OWNER	BOOK / PAGE	SALE DATE	SALE PRICE
HOLMBERG RICHARD H + DIANE Y	407/ 329	22-Jul-2005	\$0.00
HOLMBERG RICHARD H + DIANE Y	329/1023	02-May-2002	\$0.00
HOLMBERG RICHARD H	00153/0417	11-Jun-1986	\$0.00

CURRENT ASSESSED VALUE

TOTAL:	\$328,230.00	IMPROVEMENTS:	\$220,640.00	LAND:	\$107,590.00
---------------	--------------	----------------------	--------------	--------------	--------------

ASSESSING HISTORY

FISCAL YEAR	TOTAL VALUE	IMPROVEMENT VALUE	LAND VALUE
2020	\$328,230.00	\$220,640.00	\$107,590.00
2019	\$340,760.00	\$226,100.00	\$114,660.00
2018	\$340,760.00	\$226,100.00	\$114,660.00
2017	\$340,760.00	\$226,100.00	\$114,660.00
2016	\$340,760.00	\$226,100.00	\$114,660.00

Town of Ledyard Property Summary Report

12 ORCHARD DR

PARCEL ID:	24-1790-12
LOCATION:	12 ORCHARD DR
OWNER NAME:	HOLMBERG RICHARD H + DIANE Y

BUILDING # 1

YEAR BUILT	1730	ROOF STRUCTURE	Gable/Hip
STYLE	Antique	ROOF COVER	Asphalt Shingl
MODEL	Residential	FLOOR COVER 1	Hardwood
GRADE	Average +	FLOOR COVER 2	NULL
STORIES	2	HEAT FUEL	Oil
OCCUPANCY	Single Fam M01	HEAT TYPE	Hot Water
EXT WALL 1	Wood Shingle	AC TYPE	None
EXT WALL 2	NULL	BEDROOMS	3 Bedrooms
INT WALLS 1	Plastered	FULL BATHS	1
INT WALLS 2	NULL	HALF BATHS	1
		TOT ROOMS	8



EXTRA FEATURES

DESCRIPTION	CODE	UNITS
2ST Fireplace	FPL3	NULLxNULL (1.00 UNITS)

EXTRA FEATURES

DESCRIPTION	CODE	UNITS
1 st Barn	BRN1	NULLxNULL (1914.00 S.F.)
Shed	SHD1	NULLxNULL (256.00 S.F.)
Lean-to	LNT	NULLxNULL (210.00 S.F.)
WorkShop- Ave	SHP1	900xNULL (900.00 S.F.)
1 st Barn	BRN1	NULLxNULL (3930.00 S.F.)
1 st Barn	BRN1	NULLxNULL (1546.00 S.F.)
Hoop House	GRN3	NULLxNULL (1056.00 S.F.)
Hoop House	GRN3	NULLxNULL (440.00 S.F.)
Implement Shed	IMP	NULLxNULL (494.00 S.F.)
1 st Barn	BRN1	NULLxNULL (3200.00 S.F.)
MH/Trailer	TRL	NULLxNULL (1.00 UNITS)

Town of Ledyard Property Summary Report

12 ORCHARD DR

PARCEL ID:	24-1790-12
LOCATION:	12 ORCHARD DR
OWNER NAME:	HOLMBERG RICHARD H + DIANE Y

Patio-Concrete	PAT2	240xNULL (240.00 S.F.)
Pole barn	BRN8	2880xNULL (2880.00 S.F.)
CELL TOWER	MSC5	1xNULL (1.00 UNIT)

ATTACHMENT 6



LEDYARD NORTH
Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. -Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 8	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of neopost® 06/09/2021 US POSTAGE \$002.89 ⁰ ZIP 06103 041L12203937
	Postmaster, per (name of receiving employee) [Signature]		

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Fred Allyn, III, Mayor Town of Ledyard 741 Colonel Ledyard Highway Ledyard, CT 06339				
2.	Elizabeth Burdick, Planning Director Town of Ledyard 741 Colonel Ledyard Highway Ledyard, CT 06339				
3.	Richard and Diane Holmberg 4 Orchard Drive Gales Ferry, CT 06339				
4.					
5.					
6.					

