

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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kbaldwin@rc.com
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Also admitted in Massachusetts
and New York

June 22, 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
770 Long Cove Road, 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 Town of Ledyard (“Town”) in November 2000. Cellco’s shared use of the tower was approved by the Council in July of 2013 (TS-VER-072-130613). A copy of the Town’s approval and Cellco’s tower share approval are included in [Attachment 1](#).

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) MX06FRO660-03 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.

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 and antenna platform, 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 SA verifying that the antenna model described in the SA 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 22, 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.

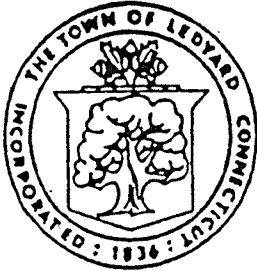
Kenneth C. Baldwin

Enclosures

Copy to:

Fred Allyn III, Mayor for the Town of Ledyard
Elizabeth Burdick, Ledyard Planning Director
Nathaniel and Julie Dupont Woody, Property Owner
Aleksey Tyurin

ATTACHMENT 1



TOWN OF LEDYARD CONNECTICUT

BUILDING OFFICIAL
Ledyard, Connecticut

741 Colonel Ledyard Highway
Ledyard, CT 06339

CERTIFICATE OF OCCUPANCY

OWNER/APPLICANT SBA, INC.

This is to certify the building at 770 Long Cove Road

on Permit No. 00-379, Use Group U Type Construction 2C
conforms substantially to the requirements of the Connecticut Basic Building Code,
and is hereby approved for Occupancy as Indicated below.

Approved for occupancy Install 165' communication tower.

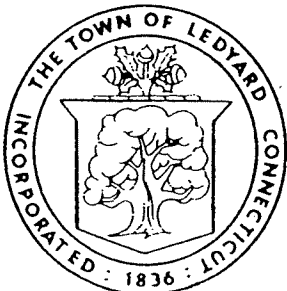
5-9-02

DATE

Randy H. Dalton

BUILDING OFFICIAL

See Certificate of Compliance.



TOWN OF LEDYARD CONNECTICUT

ZONING COMMISSION
Ledyard, Connecticut

741 Colonel Ledyard Hwy.
Ledyard, Conn. 06339

CERTIFICATE OF USE AND COMPLIANCE

OWNER/APPLICANT SBA, INC.

BUILDING PERMIT NO. 00-379

This is to certify that the building(s) at _____

use _____, conform to the Approved Site Plan as
required by the Ledyard Zoning Regulations. This Certificate is issued, as required
by, and, in accordance with, Section 17.3.3 of the Zoning Regulations with the

following stipulations: SECTION 14.9 "A WIRELESS TELECOM-

MUNICATIONS FACILITY NOT IN USE FOR 12 CONSECUTIVE

MONTHS SHALL BE REMOVED BY THE FACILITY OWNER AT ITS EXPENSE"

4/29/02

DATE

S. J. J. J.

ZONING AUTHORITY

FEE STRUCTURE

\$10/First \$1,000 est. cost 10
\$4/Ea. add. \$1,000 or part of 596
\$.16/\$1,000 est. cost State Fee 24.00

**TOWN OF LEDYARD
PERMIT**PERMIT #: 00-379 NTDNon ResEST. COST: \$150,000.00FEE: \$630.00 (Y/N)APPL. DATE: 11-20-00TYPE: BuildingISSUE DATE: 11-21-00

USE GROUP: _____

TYPE CONST: _____ ZONING DIST: R-60LOCATION OF JOB: 770 Long Cove Road, Ledyard CTOWNER: SBA, INC. Dorothy Atkinson TELE. #: (860) 659-9101

ADDRESS (IF OTHER THAN ABOVE): _____

CONTRACTOR: DICIN Electric CO. INC.ADDRESS: 156 CROSS Road, Waterford CT 06385TELEPHONE: (860) 442-0826LICENSE NUMBER: 900247DESCRIPTION OF WORK TO BE PERFORMED: Installation of one 165' monopole
communication towerSIZE/LENGTH: 165'WIDTH: 60"HEIGHT: 165'# BATHS: N/A# BEDROOMS: N/A

ATTACHED GARAGE

YES _____

NO _____

GARAGE UNDER

YES _____

NO _____

SIGNATURE OF OWNER/AGENT X [Signature] I HAVE BEEN AUTHORIZED
BY THE OWNER TO MAKE THIS APPLICATION AS HIS AUTHORIZED AGENT.BUILDING OFFICIAL [Signature]

REVIEWED _____

APPROVED 11-21-00

DENIED _____

REASON OR REASONS FOR DENIAL _____

ZONING OFFICIAL [Signature]APPROVED 11-21-00

DENIED _____

REASON _____

ADDITIONAL PLANS AND SPECS. ARE TO BE PROVIDED BY THE APPLICANT FOR THE
FIRE MARSHAL FOR PROJECTS OVER TWO FAMILY AND ALL COMMERCIAL USES.

FIRE MARSHAL _____

APPROVED _____

DENIED _____

SANITARIAN _____

APPROVED _____

DENIED _____



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

July 12, 2013

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

RE: **TS-VER-072-130613** – Cellco Partnership d/b/a Verizon Wireless request for an order to approve the shared use of an existing telecommunications facility located at 770 Long Cove Road, Ledyard, Connecticut.

Dear Attorney Baldwin:

At a public meeting held July 11, 2013, 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:

- The coax lines and accessory equipment shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering dated April 5, 2013 and stamped by Christopher Murphy;
- Within 45 days following completion of the antenna installation, Verizon shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis;
- 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;
- 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;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- 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. 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 this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction. Please be advised that the validity of this action shall expire one year from the date of this letter.

The proposed shared use is to be implemented as specified in your letter dated June 12, 2013, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours,

Handwritten signature of Robert Stein in cursive, with the initials "HAB" written in the upper right corner of the signature.

Robert Stein
Chairman

RS/CDM/jb

c: The Honorable John A. Rodolico, Mayor, Town of Ledyard
Charles Karno, Town Planner, Town of Ledyard
Mr. & Mrs. Woody
Sean Gormley, SBA

ATTACHMENT 2



WIRELESS COMMUNICATIONS FACILITY UPGRADE

LEDYARD SOUTH CT
770 LONG COVE RD,
GALES FERRY, CT 06335

GENERAL NOTES

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

SITE DIRECTIONS

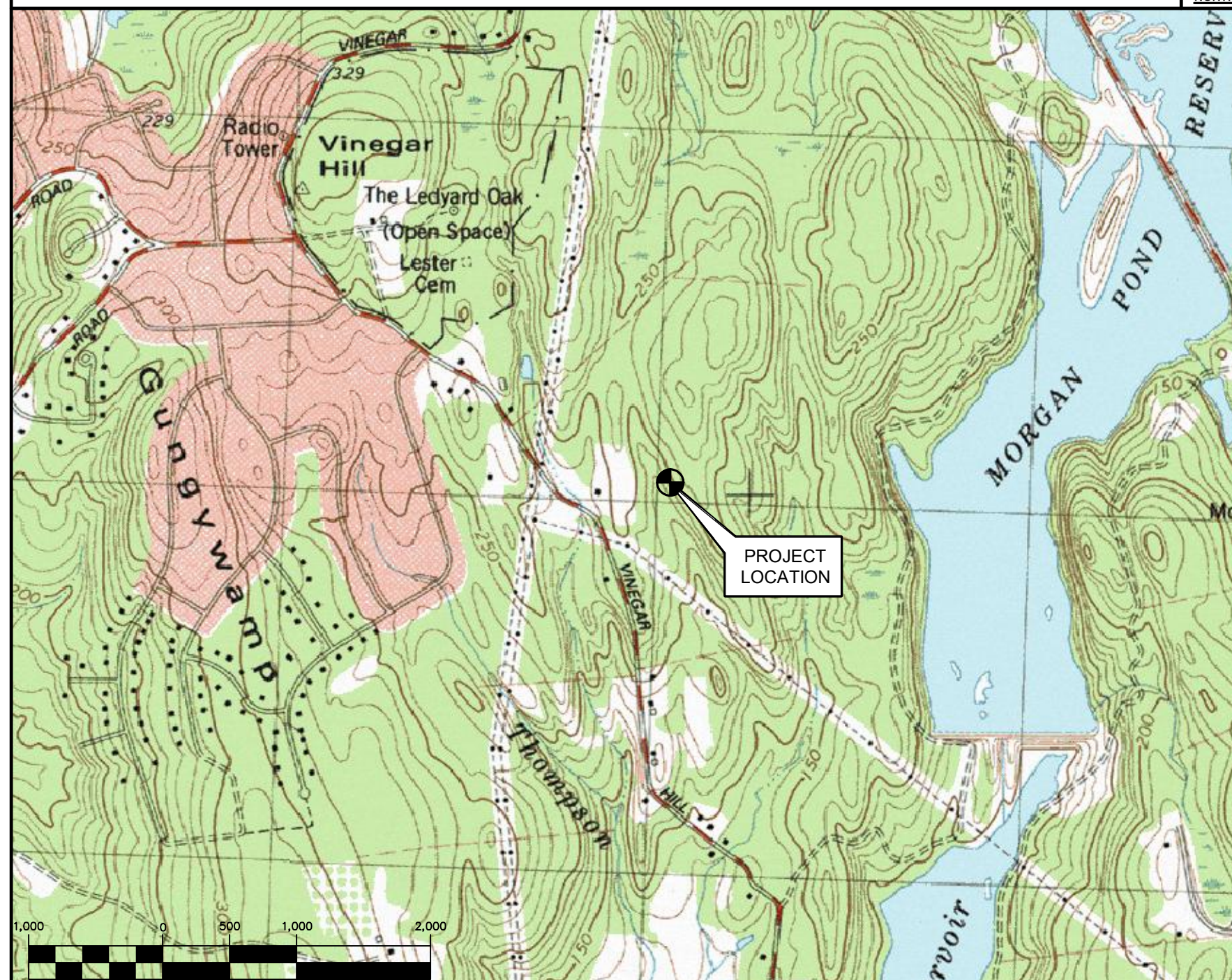
FROM: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT

TO: 770 LONG COVE RD,
GALES FERRY, 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 RIGHT ONTO CT-68. | 2.75 MI |
| 4. TURN SLIGHT LEFT ONTO DURHAM RD/CT-68. CONTINUE TO FOLLOW CT-68. | 4.25 MI |
| 5. TURN LEFT ONTO MAIN ST/CT-17. | 3.96 MI |
| 6. TURN SLIGHT RIGHT ONTO RANDOLPH RD/CT-155. | 2.12 MI |
| 7. MERGE ONTO CT-9 S TOWARD OLD SAYBROOK. | 20.77 MI |
| 8. MERGE ONTO I-95 N VIA THE EXIT ON THE LEFT TOWARD NEW LONDON/PROVIDENCE. | 17.28 MI |
| 9. MERGE ONTO COL STAR HWY/184 VIA EXIT 86 ON THE LEFT TOWARD SUB BASE/GALES FERRY/CT-12. | 0.74 MI |
| 10. TURN LEFT ONTO NORTH RD/CT-117. | 2.25 MI |
| 11. TURN LEFT ONTO GALES FERRY RD. | 1.20 MI |
| 12. GALES FERRY RD BECOMES LONG COVE RD. | 1.31 MI |
| 13. 770 LONG COVE RD, GALES FERRY, CT 06335-2005, 770 LONG COVE RD IS ON THE RIGHT. | |

VICINITY MAP

SCALE: 1" = 1000'



PROJECT SUMMARY

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

A. AT THE EXISTING MONOPOLE MOUNTED ANTENNA SECTORS:

- PERFORM MODIFICATIONS PER MOUNT MODIFICATION DRAWINGS PREPARED BY OTHERS AS REFERENCED HEREIN.
- REMOVE (9) EXISTING ANTENNAS. RETAIN (3) SPARE ANTENNAS.
- INSTALL (6) NEW JMA MX06FRO660-03 ANTENNAS ON NEW 91900314-02 SIDE-BY-SIDE MOUNTS.
- INSTALL (3) MT6407-77A ALL-IN-ONE ANTENNA/ RRHS.
- REMOVE (6) EXISTING NOKIA RRHS & INSTALL (3) NEW SAMSUNG B5/B13 RRH-BR04C & (3) NEW SAMSUNG B2/B66A RRH-BR049.
- INSTALL (1) NEW OVP-12.
- REPLACE EXISTING NON-LI HYBRID WITH (2) NEW 6X12 HYBRIFLEX LI.

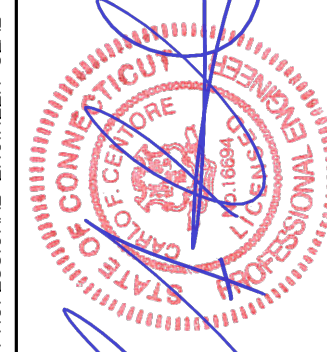
PROJECT INFORMATION

SITE NAME: LEDYARD SOUTH CT
SITE ADDRESS: 770 LONG COVE RD.
GALES FERRY, CT 06335
LESSEE/TENANT: CELLCO PARTNERSHIP
d.b.a. VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492
CONTACT PERSON: WALTER CHARCZNSKI (CONSTRUCTION MANAGER)
VERIZON WIRELESS
(860) 306-1806
ENGINEER: CENTEK ENGINEERING, INC.
63-2 NORTH BRANFORD RD.
BRANFORD, CT. 06405
(203) 488-0580
PROJECT COORDINATES: LATITUDE: 41°-25'-0.6996"N
LONGITUDE: 72°-2'-39.4008"W
GROUND ELEVATION: 295'± AMSL
COORDINATES AND GROUND ELEVATION BASED ON
VERIZON WIRELESS RFDS DATED MAY 11, 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 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 SOUTH CT

770 LONG COVE RD,
GALES FERRY, CT 06335

DATE: 05/05/21

SCALE: AS NOTED

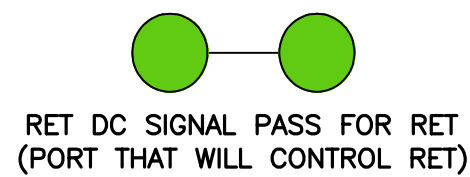
JOB NO. 21007.10

TITLE SHEET

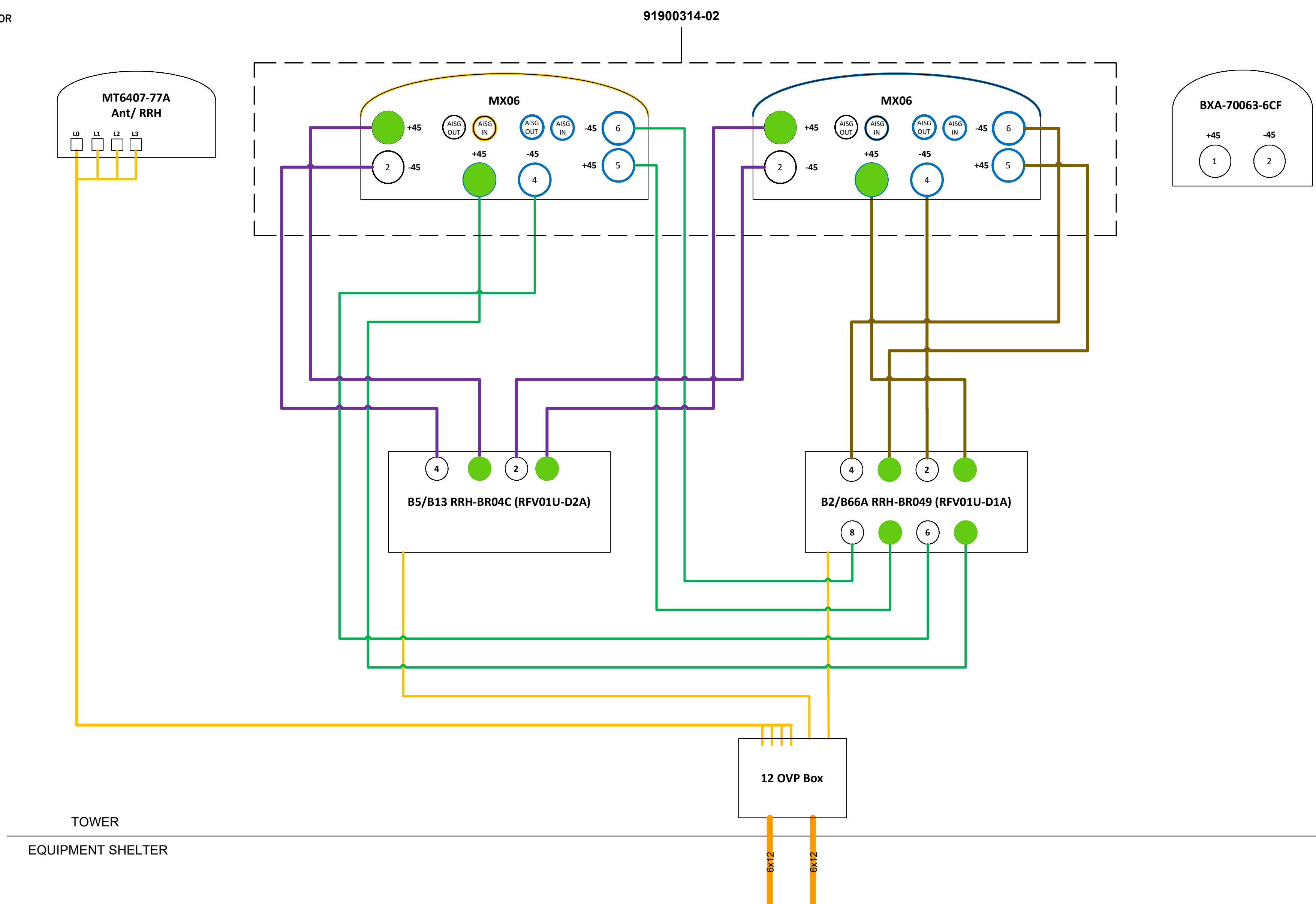
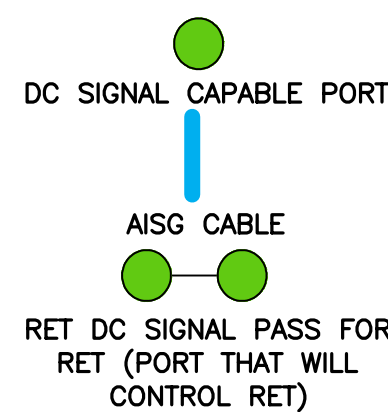
T-1

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.



- A. DIAGRAMS SHOW ANTENNA PORT CONFIGURATIONS AS VIEWED FROM BELOW ANTENNAS.
- B. ANTENNA POSITIONS ARE INDICATED AS VIEWED FROM IN FRONT OF ANTENNAS.
- C. CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.
- D. ALL PLUMBING DIAGRAM COLORS ARE IRRELEVANT EXCEPT FOR AISG AND HYBRIFLEX CABLE. (FOR THE COAX COLORS, FOLLOW COAX COLORS GUIDE ABOVE)



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.B DATED: 05.19.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 05.11.21).

BILL OF MATERIALS		
TECHNOLOGY	QUANTITY	ANTENNA
LTE 700	6	JMA ANTENNA MODEL: MX06FRO660-03
LTE 850		
LTE PCS 1900		
LTE AWS 2100		
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH EA	COMMENTS
HYBRID CABLES	2	270	6X12 HYBRIFLEX LI

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

DIPLEXERS	QUANTITY	COMMENTS
-	0	-

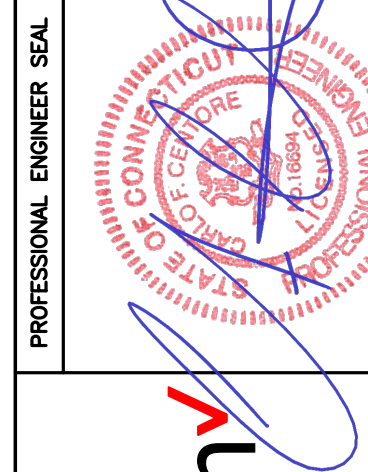
OVP BOXES	QUANTITY	COMMENTS
OVP	1	RAYCAP OVP BOX: OVP-12

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	3	JMA MODEL: 91900314-02

REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/27/2021 FOR ANTENNA MOUNT MODIFICATIONS AND ASSOCIATED REQUIRED MATERIALS.

[illegible]

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

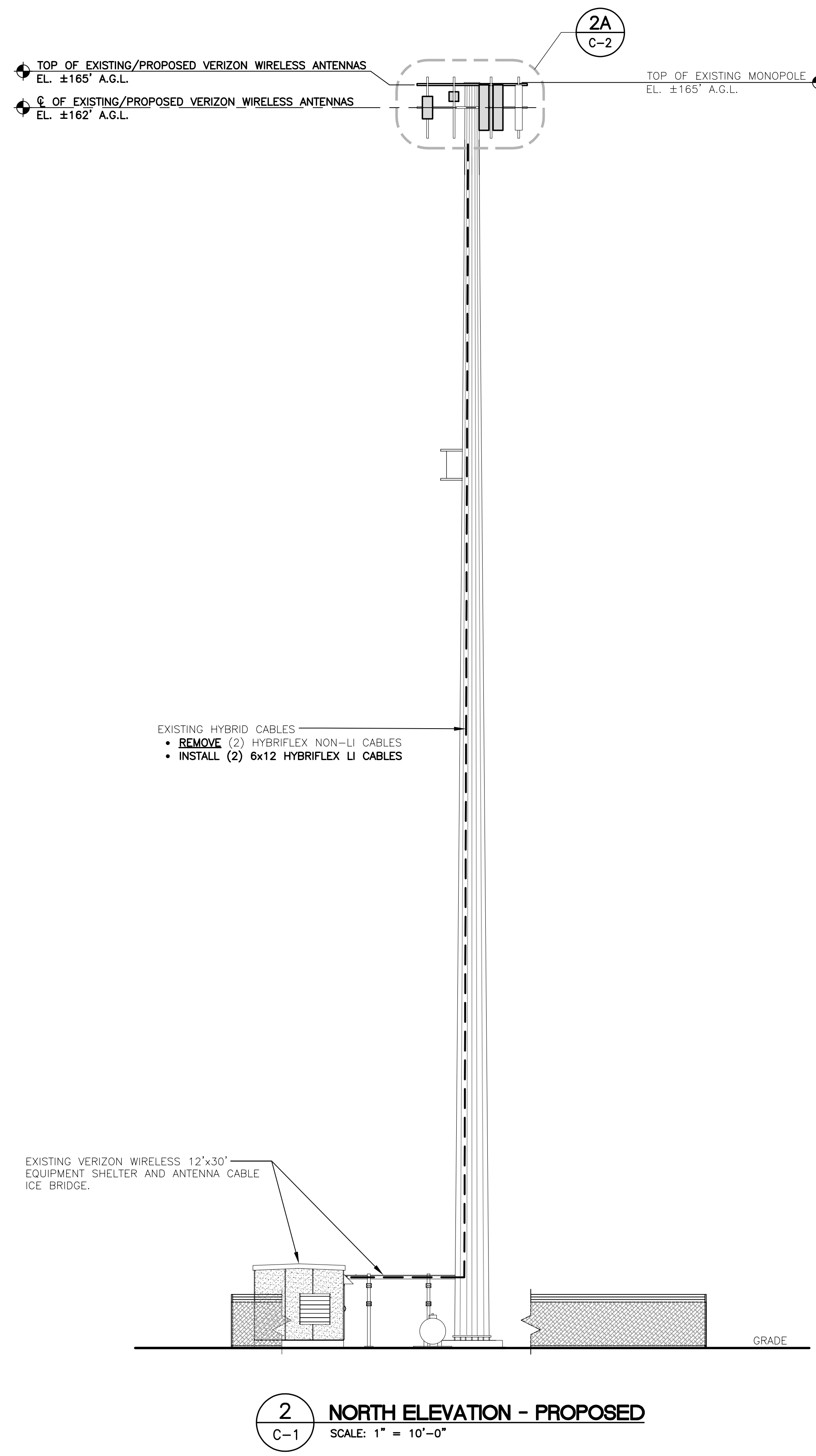
LEDYARD SOUTH CT

770 LONG COVE RD,
GALES FERRY, CT 06335

DATE:	05/05/21
SCALE:	AS NOTED
JOB NO.	21007.10

RF BILL OF MATERIALS

B-1

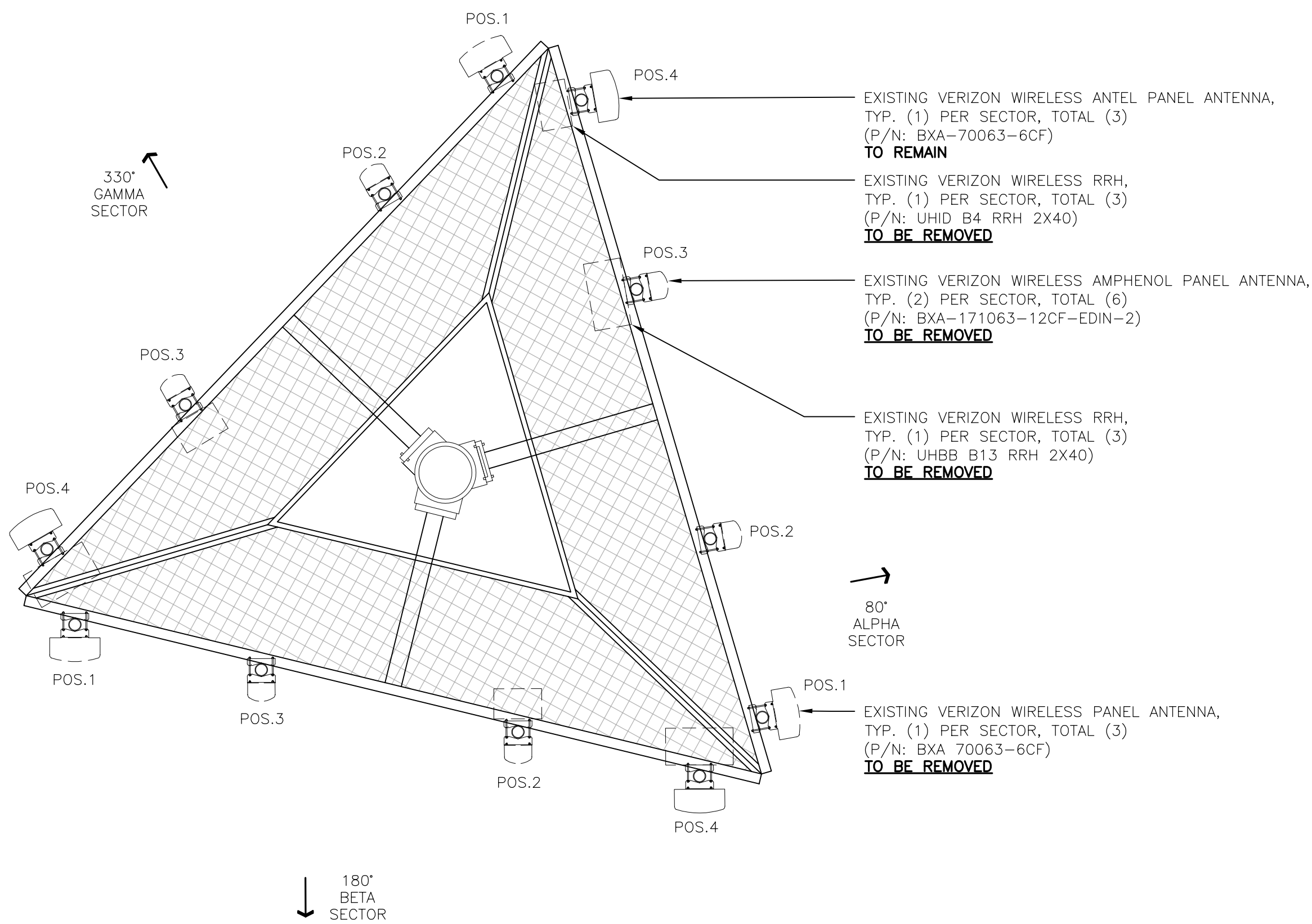


TOWER STRUCTURAL NOTE:

1. REFER TO PASSING STRUCTURAL ANALYSIS REPORT PREPARED BY TOWER ENGINEERING SOLUTIONS DATED 05/11/2021 FOR ADDITIONAL INFORMATION.

[illegible]

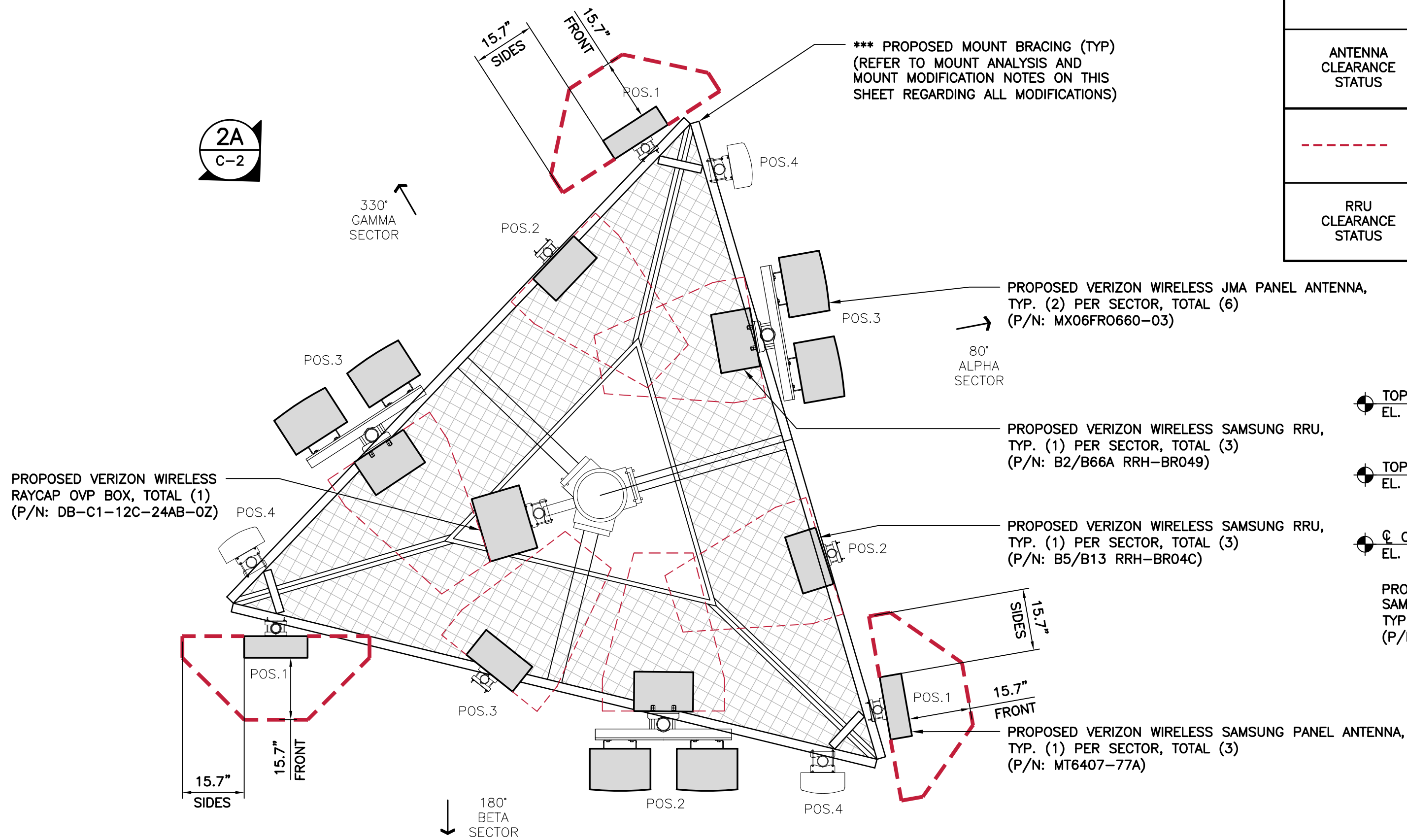
EXISTING ANTENNA CONFIGURATIONS



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



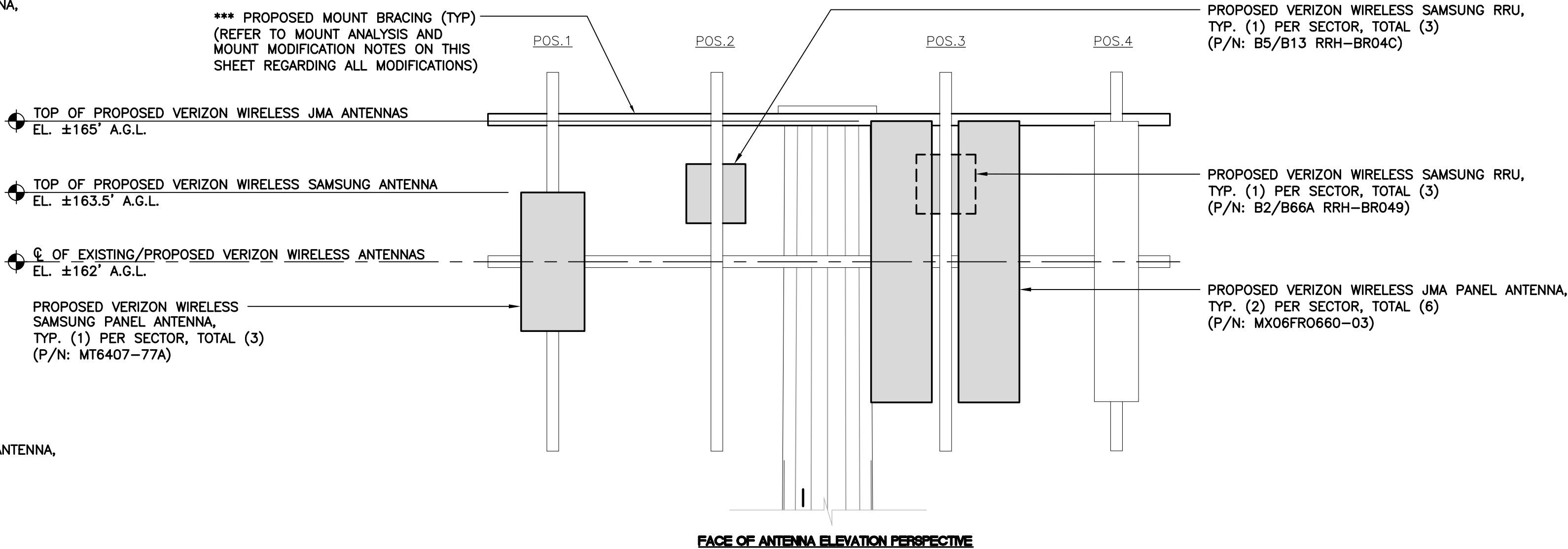
PROPOSED ANTENNA CONFIGURATIONS



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



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



2A
C-2
PROPOSED SECTOR CONFIGURATION ELEVATION
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 04/27/2021 FOR ADDITIONAL INFORMATION.
 2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/27/2021 FOR ANTENNA MOUNT MODIFICATIONS.

PROFESSIONAL ENGINEER SEAL



CENTEK engineering
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Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless
LEDYARD SOUTH CT
770 LONG COVE RD,
GALES FERRY, CT 06335

DATE: 05/05/21
SCALE: AS NOTED
JOB NO. 21007.10

ANTENNA SECTOR
CONFIGURATION
DETAILS

C-2
Sheet No. 5 of 7



NOTES:
1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH.

C-3

NOT TO SCALE



8-PORT SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: JMA MODEL: MX06FRO660-03	71.3"L x 15.4"W x 10.7"D	60.0 LBS. (W/OUT MOUNT KIT)

C-3

NOT TO SCALE



NOTES:

1. CONTRACTOR TO CONFIRM OVP BOX MAKE/MODEL AND QUANTITY WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.

C-3

NOT TO SCALE



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

C-3

NOT TO SCALE



DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: B5/B13 RRH--BR04C (RFV01U--D2A)	B5: 850 MHz B13: 700 MHz	15.0"H x 15.0"W x 8.1"D	70.3 LBS.

NOTES:

- CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.

C-3

NOT TO SCALE

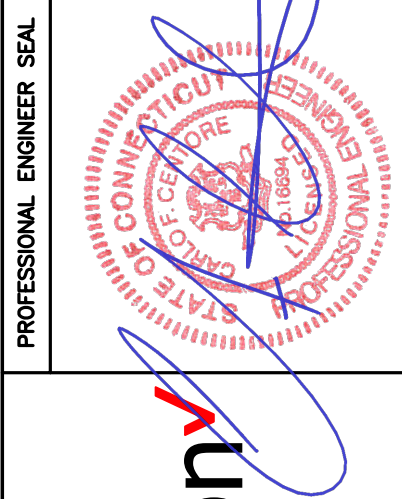


DUAL ANTENNA MOUNTING KIT	
EQUIPMENT	DESCRIPTION
MOUNT MAKE: JMA MODEL: 919003314-02	• SIDE-BY-SIDE MOUNTING KIT, ACCOMMODATES (2) COMPATABLE ANTENNAS • 2 BRACKETS REQUIRED FOR 4'-6' ANTENNAS • 3 BRACKETS REQUIRED FOR 6'-8' ANTENNAS

C-3

NOT TO SCALE

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LEDYARD SOUTH CT

**770 LONG COVE RD,
GALES FERRY, CT 06335**

DATE: 05/05/21

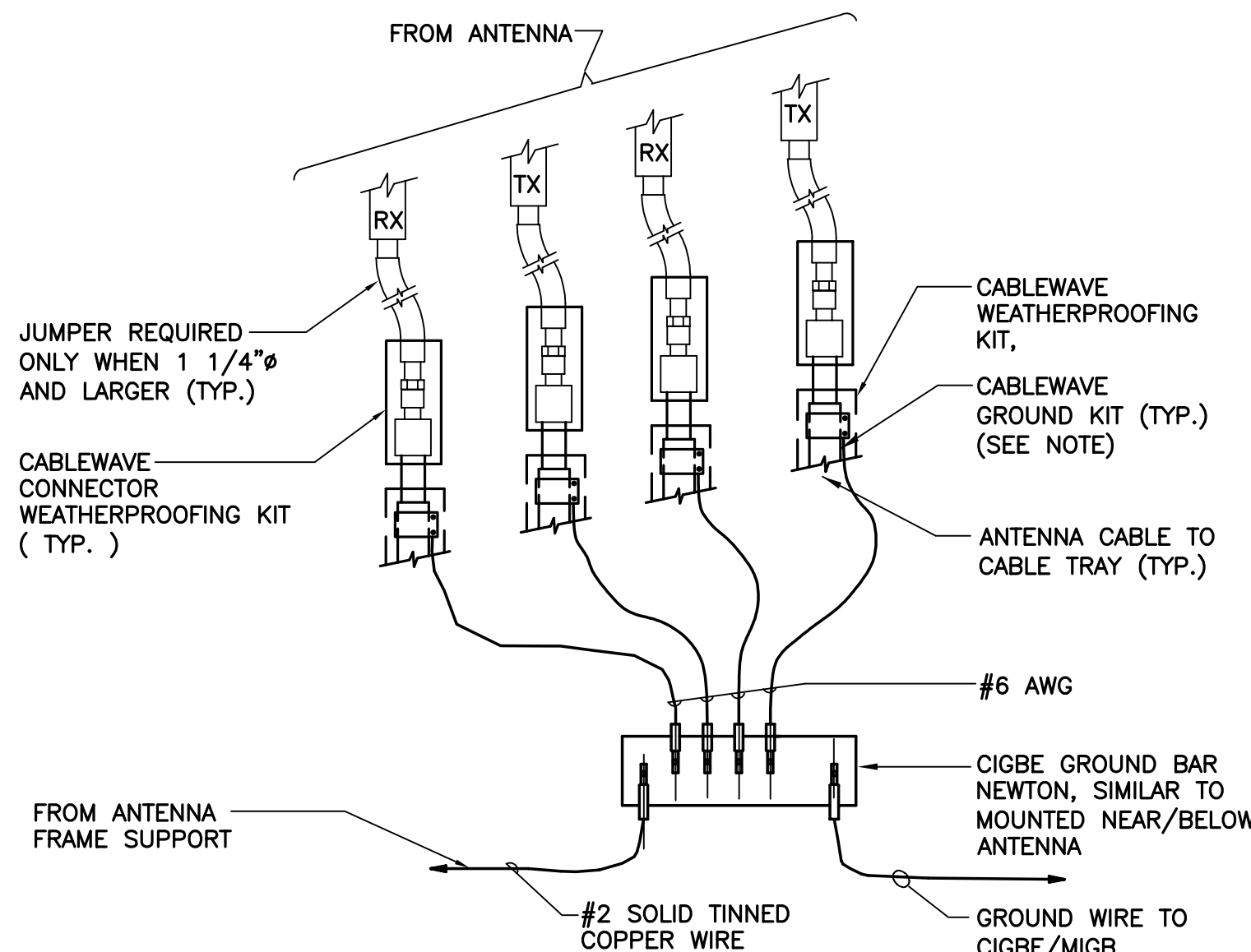
SCALE: AS NOTED

JOB NO.	21007.10
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RF DETAILS

C-3

Sheet No. 6 of 7



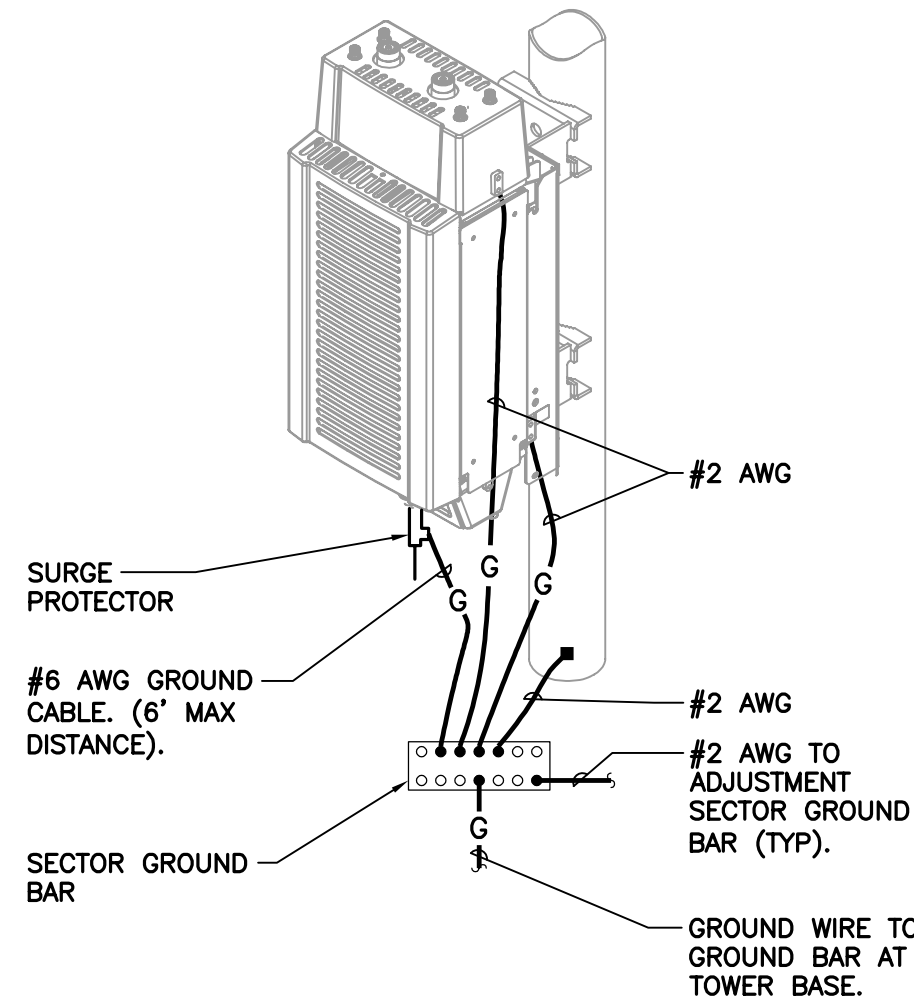
NOTES:

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

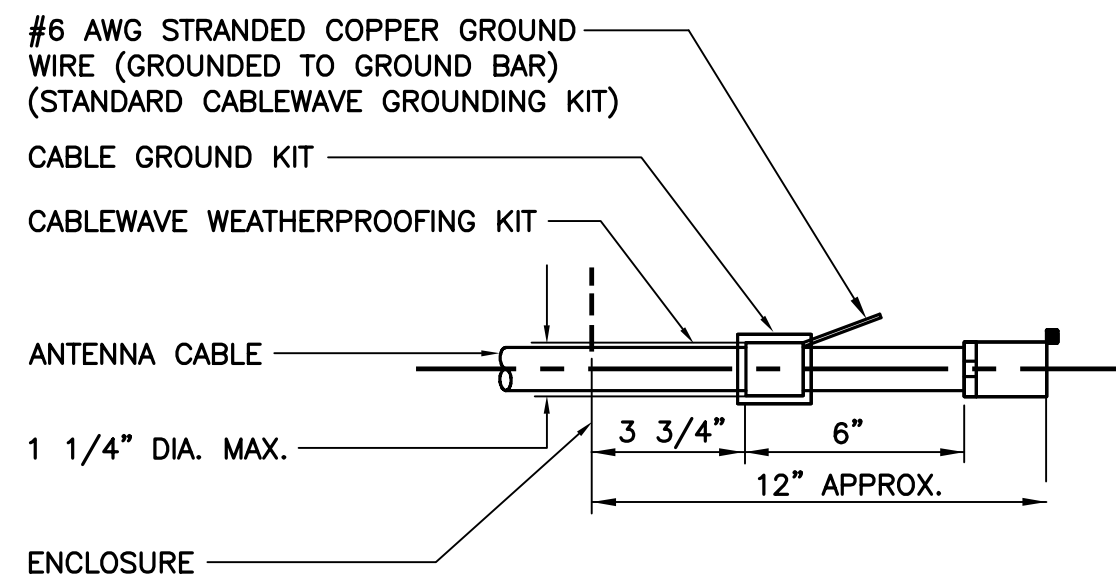
1 CONNECTION OF GROUND WIRES TO GROUND BAR
E-1 NOT TO SCALE

EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

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



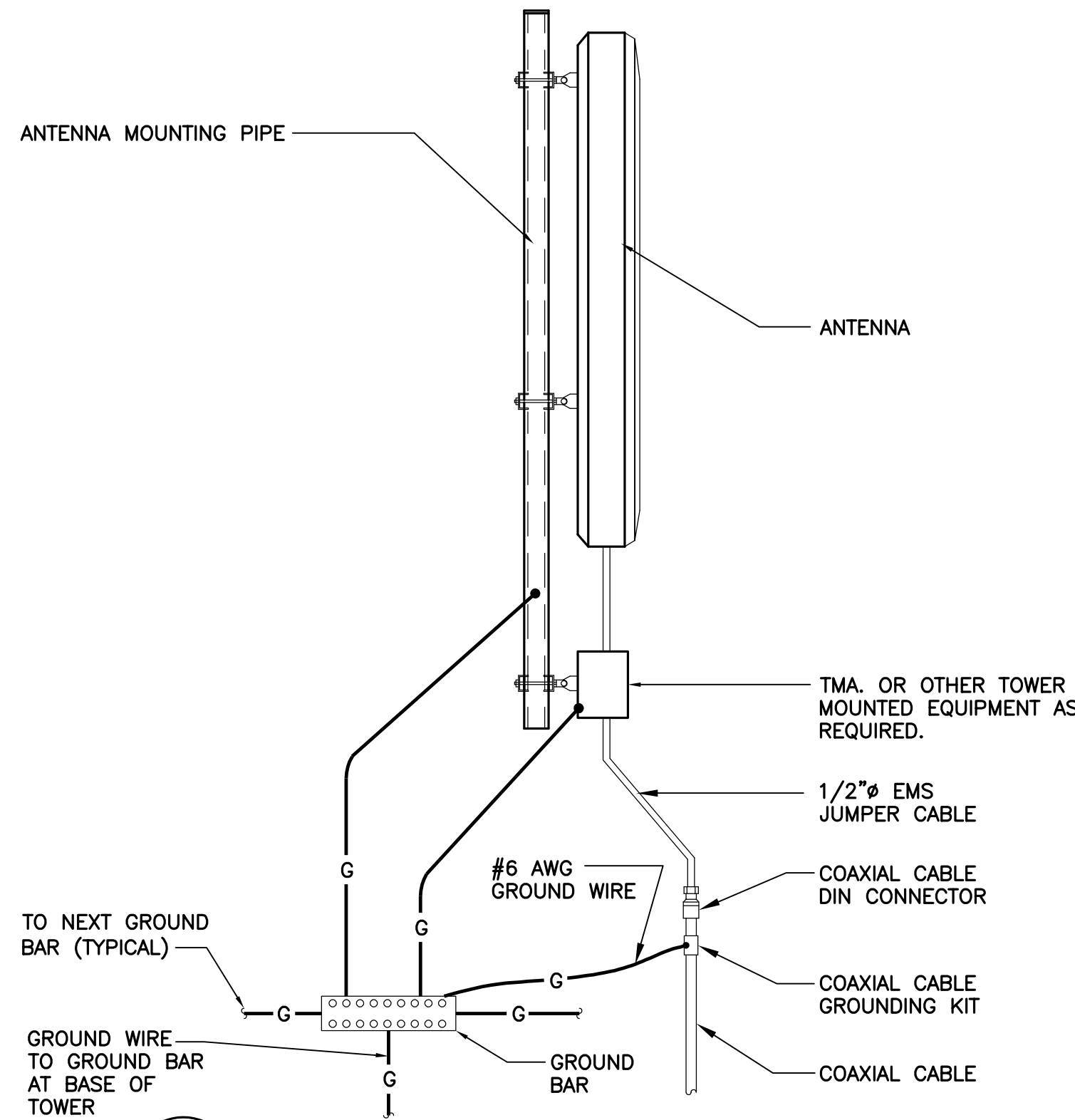
2 RRH POLE MOUNT GROUNDING
E-1 NOT TO SCALE



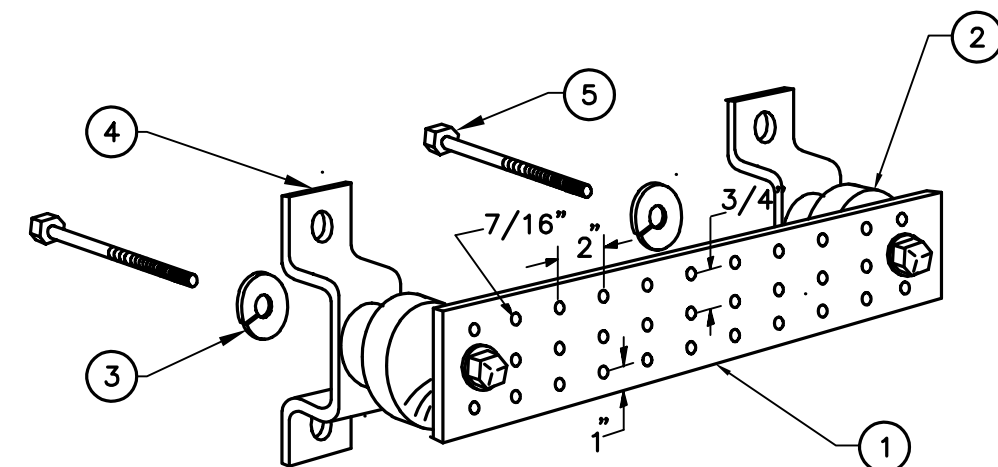
NOTES:

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

3 ANTENNA CABLE GROUNDING DETAIL
E-1 NOT TO SCALE



4 TYPICAL ANTENNA GROUNDING DETAIL
E-1 NOT TO SCALE



NOTES

① TINNED COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.

② INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.

③ 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.

④ WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056.

⑤ 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

5 GROUND BAR DETAIL
E-1 NOT TO SCALE

ELECTRICAL SPECIFICATIONS

SECTION 16010

1.01. SCOPE OF WORK

- A. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
1. CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

1.02. GENERAL REQUIREMENTS

- A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
- B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.
- E. NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.
- F. THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.
- G. DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.
- H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.
- I. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- J. ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.
- K. BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.
- L. ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16450

1.01. GROUNDING

- A. ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.
- B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.
- C. EQUIPMENT GROUNDING CONDUCTOR:
1. EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.
2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.
- D. CELLULAR GROUNDING SYSTEM:
- PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:
1. GROUND BARS
2. ANTENNA GROUND CONNECTIONS AND PLATES.
- E. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	T/L	05/07/21	DMD	ASC	05/19/21	ASC	05/10/21	ASC	DMD	DATE	DESCRIPTION
PRELIMINARY CONSTRUCTION DRAWINGS - REVISED PER CLIENT COMMENTS											
PRELIMINARY CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW											
PROFESSIONAL ENGINEER SEAL											
Cellco Partnership d/b/a Verizon Wireless LEDYARD SOUTH CT 770 LONG COVE RD, GALES FERRY, CT 06335											
DATE:	05/05/21										
SCALE:	AS NOTED										
JOB NO.	21007.10										
ELECTRICAL DETAILS AND SPECIFICATIONS											
E-1											
Sheet No. 1 of 1											

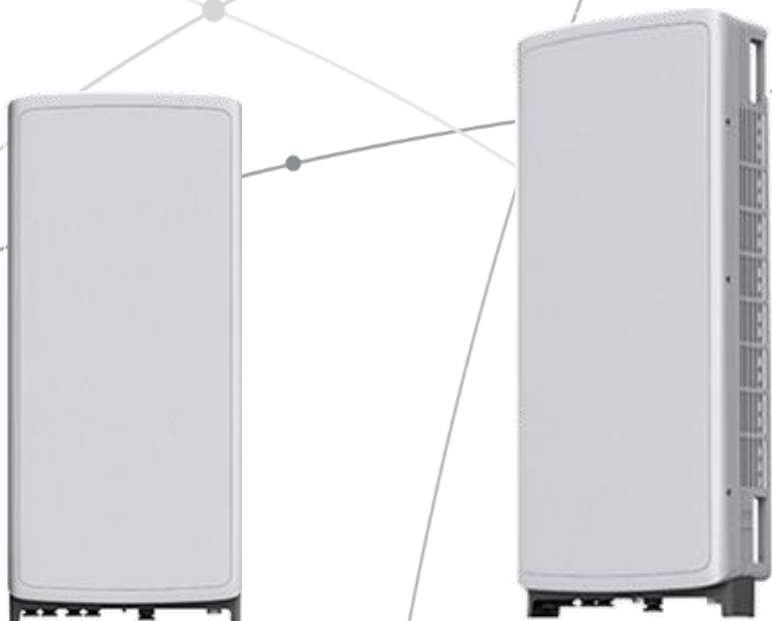
SAMSUNG

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



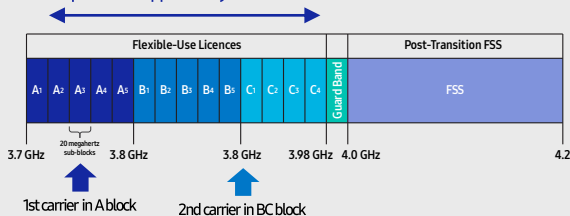
Points of Differentiation

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

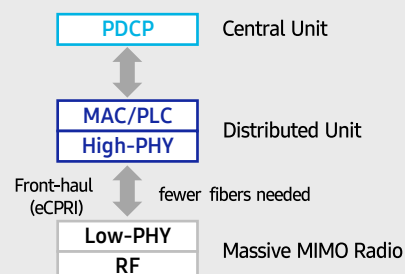
C-Band spectrum supported by Massive MIMO Radio



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.

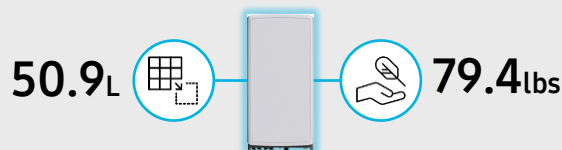
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

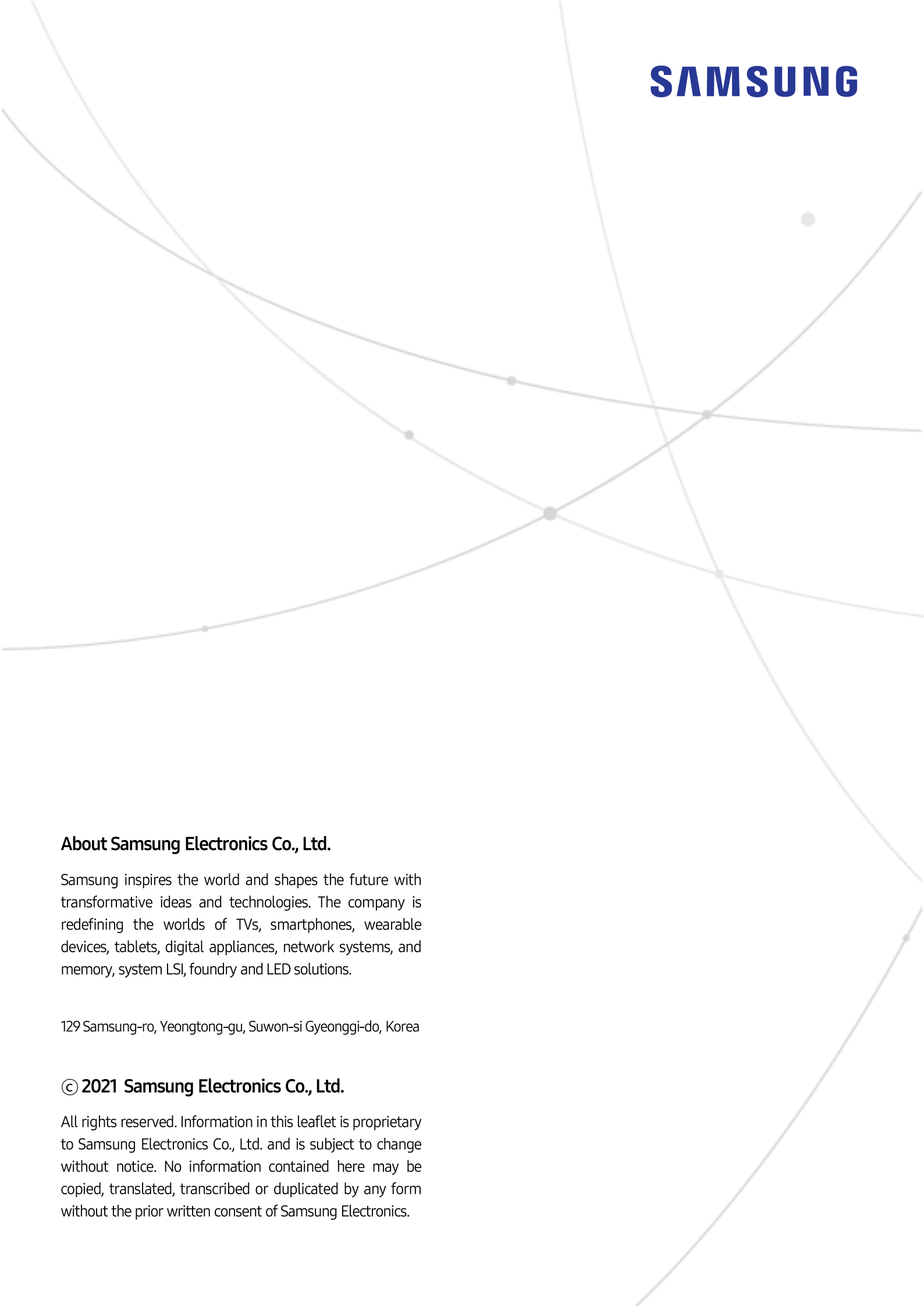
Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. Despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

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

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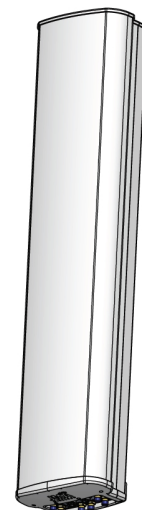
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

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



NWAV™

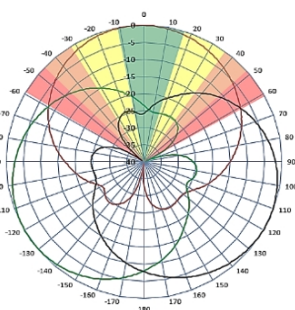
Fast Roll-Off antennas increase data throughput without compromising coverage

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

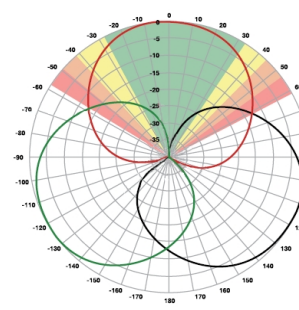
Large traditional antenna pattern overlap creates harmful interference.

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

Non-FRO antenna



JMA FRO antenna



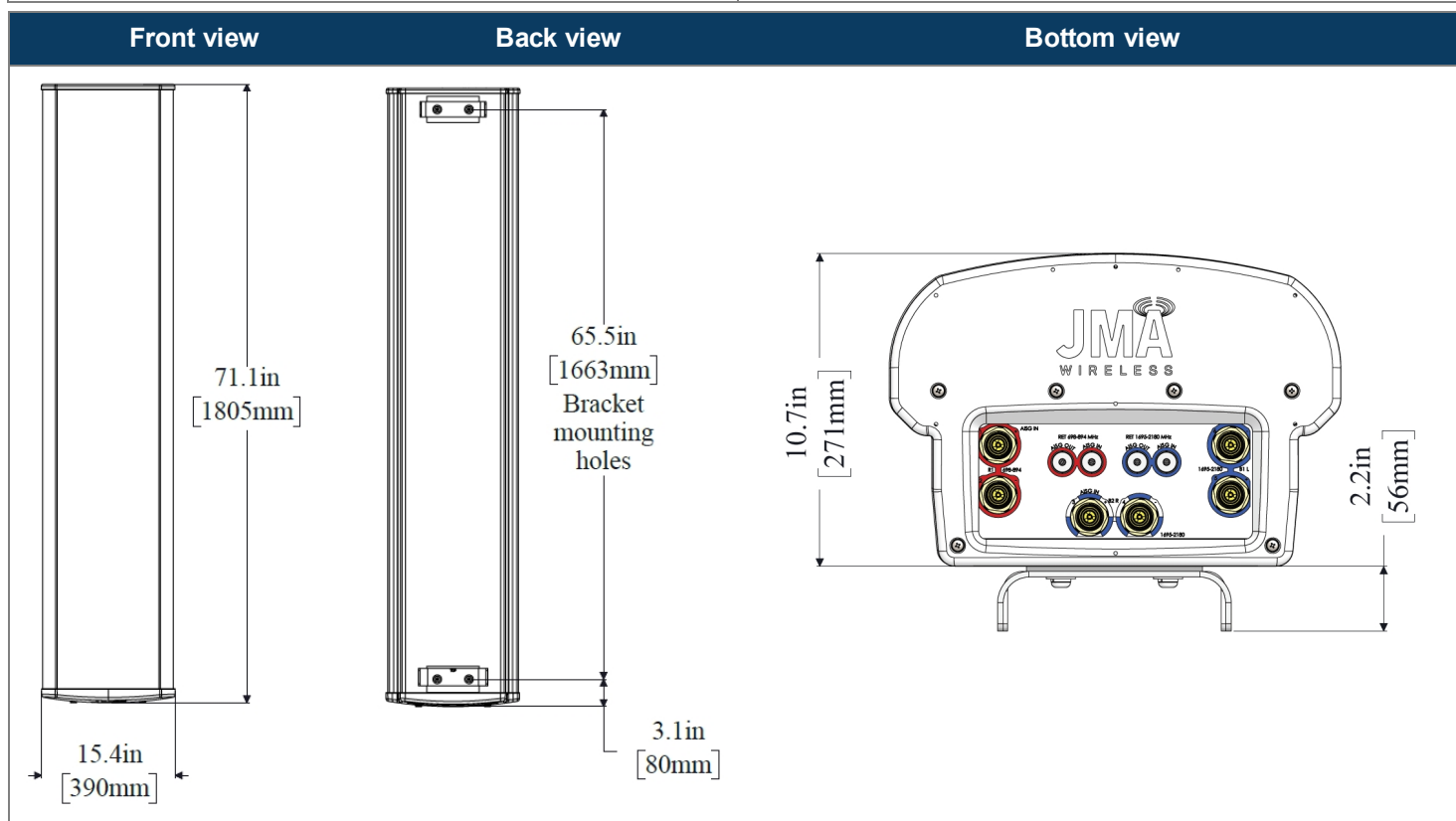
LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

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

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

¹ Typical value over frequency and tilt

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



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

Remote electrical tilt (RET 1000) information

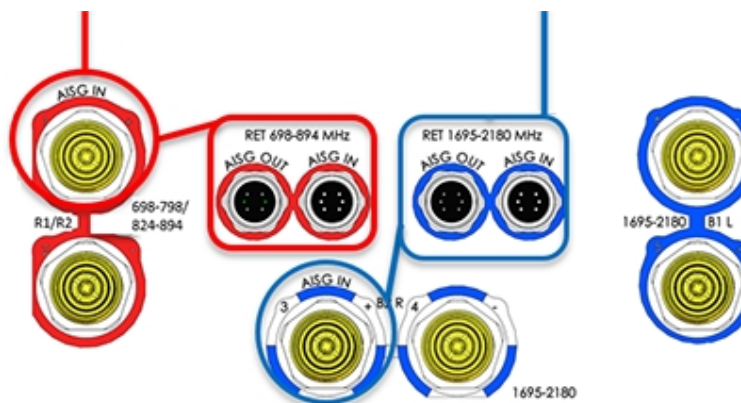
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the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

RET and RF connector topology

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

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

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



Array topology

3 sets of radiating arrays

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

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



SAMSUNG

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

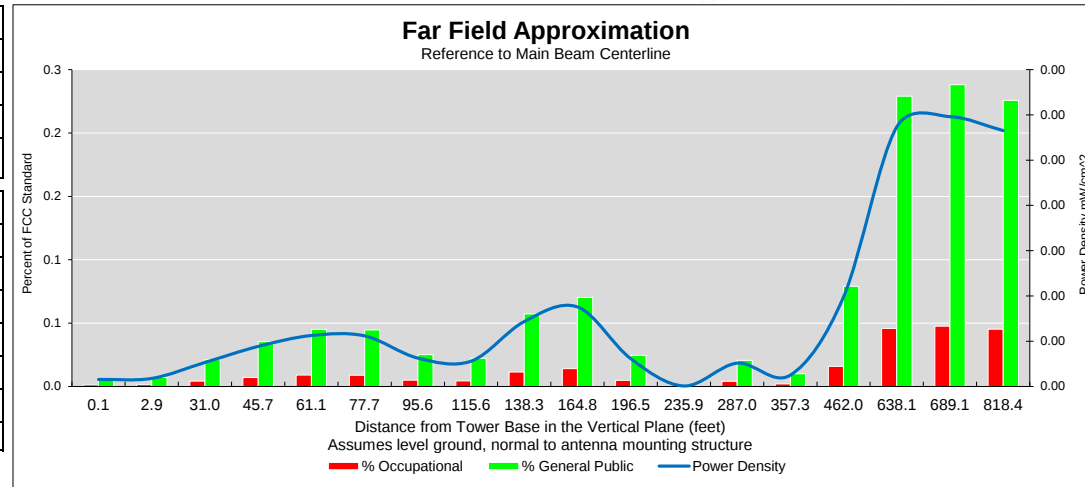
ATTACHMENT 3

Far Field Approximation
with downtilt variation

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



Location:	Ledyard South CT
Site #:	2-0650
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Ledyard South CT - FF Power
Antenna Type:	MX06FRO660-03
Operating Freq. (MHz):	751
Antenna Height (ft):	162.0
Antenna Gain (dBi):	14.2
Downtilt (degrees):	9.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



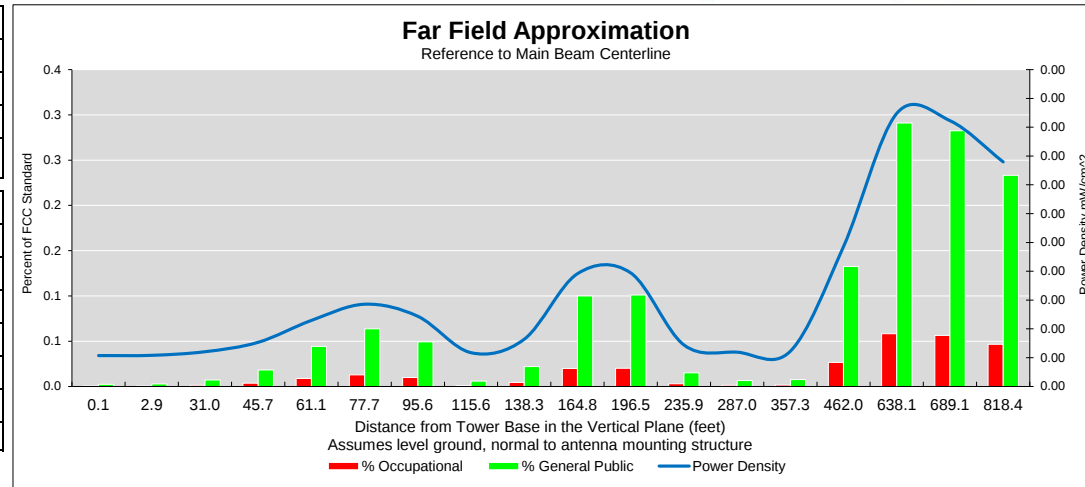
Calc Angle	90.0	89.0	79.0	74.0	69.0	64.0	59.0	54.0	49.0	44.0	39.0	34.0	29.0	24.0	19.0	14.0	13.0	11.0
Solve for r, dx to antenna	159.0	159.0	162.0	165.4	170.4	177.0	185.6	196.6	210.8	229.0	252.8	284.5	328.1	391.1	488.6	657.6	707.2	833.7
Distance from Antenna Structure Base in Horizontal plane	0.1	2.9	31.0	45.7	61.1	77.7	95.6	115.6	138.3	164.8	196.5	235.9	287.0	357.3	462.0	638.1	689.1	818.4
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)	30.7	30.1	25.2	22.8	21.5	21.2	23.3	23.3	18.6	17	20.7	37	19.2	20.8	9.9	2.7	1.9	0.7
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	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.05	0.05
Percent of General Population Standard	0.01	0.01	0.02	0.04	0.04	0.04	0.03	0.02	0.06	0.07	0.02	0.00	0.02	0.01	0.08	0.23	0.24	0.23

Far Field Approximation
with downtilt variation

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



Location:	Ledyard South CT
Site #:	2-0650
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Ledyard South CT - FF Power
Antenna Type:	MX06FRO660-03
Operating Freq. (MHz):	874
Antenna Height (ft):	162.0
Antenna Gain (dBi):	14.3
Downtilt (degrees):	9.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



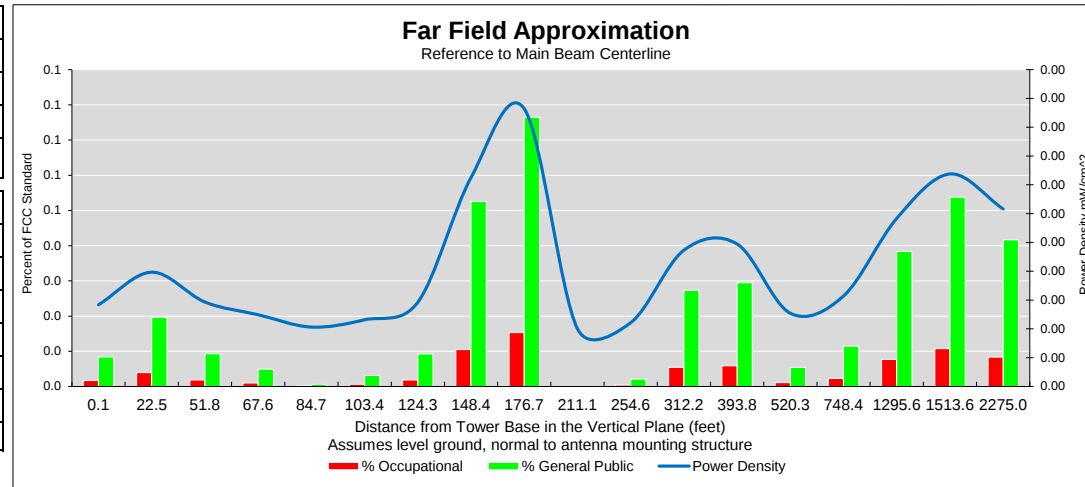
Calc Angle	90.0	89.0	79.0	74.0	69.0	64.0	59.0	54.0	49.0	44.0	39.0	34.0	29.0	24.0	19.0	14.0	13.0	11.0
Solve for r, dx to antenna	159.0	159.0	162.0	165.4	170.4	177.0	185.6	196.6	210.8	229.0	252.8	284.5	328.1	391.1	488.6	657.6	707.2	833.7
Distance from Antenna Structure Base in Horizontal plane	0.1	2.9	31.0	45.7	61.1	77.7	95.6	115.6	138.3	164.8	196.5	235.9	287.0	357.3	462.0	638.1	689.1	818.4
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)	34.1	33.6	29.4	25.1	21	19.1	19.8	28.5	22.2	14.9	14	21.2	23.6	21.4	7.1	1.1	0.6	0
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	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.03	0.06	0.06	0.05
Percent of General Population Standard	0.00	0.00	0.01	0.02	0.04	0.06	0.05	0.01	0.02	0.10	0.10	0.02	0.01	0.01	0.13	0.29	0.28	0.23

Far Field Approximation
with downtilt variation

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



Location:	Ledyard South CT
Site #:	2-0650
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Ledyard South CT - FF Power
Antenna Type:	MX06FRO660-03
Operating Freq. (MHz):	1978
Antenna Height (ft):	162.0
Antenna Gain (dBi):	17.9
Downtilt (degrees):	2.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



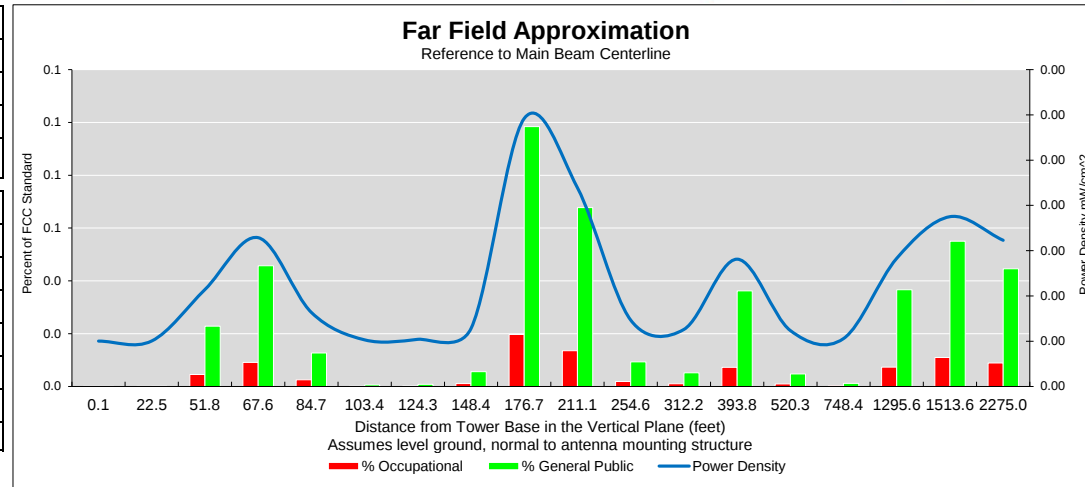
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	159.0	160.6	167.2	172.8	180.1	189.6	201.8	217.5	237.7	264.3	300.2	350.4	424.6	544.1	765.1	1305.3	1521.9	2280.5
Distance from Antenna Structure Base in Horizontal plane	0.1	22.5	51.8	67.6	84.7	103.4	124.3	148.4	176.7	211.1	254.6	312.2	393.8	520.3	748.4	1295.6	1513.6	2275.0
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)	30.1	26.3	29.2	31.7	40.3	32.8	27.6	19.4	17	50.4	30.5	18.1	16.1	21.3	15.1	5.2	2.4	0
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	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01
Percent of General Population Standard	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.05	0.08	0.00	0.00	0.03	0.03	0.01	0.01	0.04	0.05	0.04

Far Field Approximation
with downtilt variation

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



Location:	Ledyard South CT
Site #:	2-0650
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Ledyard South CT - FF Power
Antenna Type:	MX06FRO660-03
Operating Freq. (MHz):	2120
Antenna Height (ft):	162.0
Antenna Gain (dBi):	18.2
Downtilt (degrees):	2.0
Feedline Loss (dB):	0.0
Tx Power (W):	40.0
No. of Channels:	4



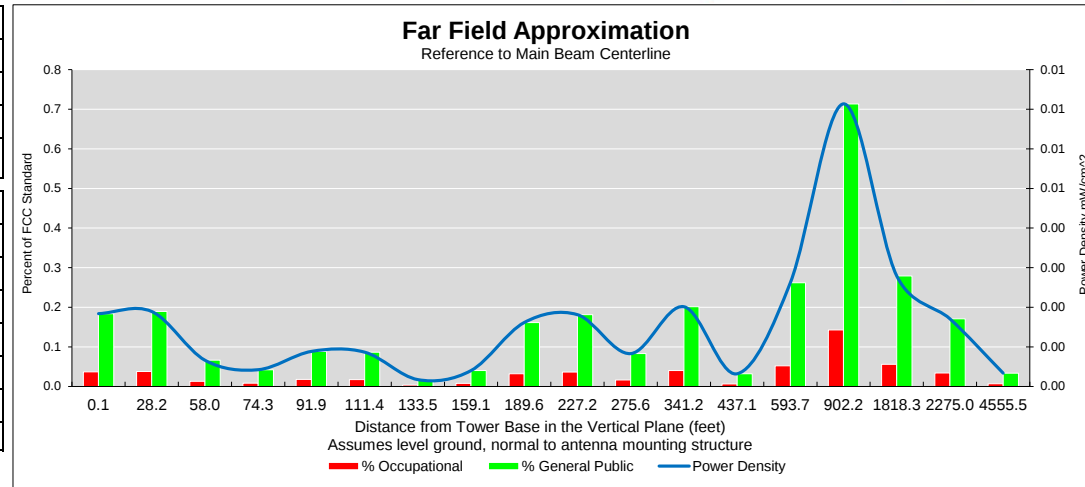
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	159.0	160.6	167.2	172.8	180.1	189.6	201.8	217.5	237.7	264.3	300.2	350.4	424.6	544.1	765.1	1305.3	1521.9	2280.5
Distance from Antenna Structure Base in Horizontal plane	0.1	22.5	51.8	67.6	84.7	103.4	124.3	148.4	176.7	211.1	254.6	312.2	393.8	520.3	748.4	1295.6	1513.6	2275.0
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)	52.1	48.9	25.6	22.3	27.5	40.3	38.3	29.4	16.2	16.9	24.4	25.6	15.5	22.2	25.3	5.7	2.6	0
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	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01
Percent of General Population Standard	0.00	0.00	0.02	0.05	0.01	0.00	0.00	0.01	0.10	0.07	0.01	0.01	0.04	0.00	0.00	0.04	0.06	0.04

Far Field Approximation
with downtilt variation

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



Location:	Ledyard South CT
Site #:	2-0650
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Ledyard South CT - FF Power
Antenna Type:	VZ-MT6407-77A
Operating Freq. (MHz):	3730
Antenna Height (ft):	162.0
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	159.0	161.5	169.2	175.5	183.7	194.2	207.6	224.9	247.5	277.3	318.1	376.4	465.1	614.6	916.1	1825.2	2280.5	4558.2
Distance from Antenna Structure Base in Horizontal plane	0.1	28.2	58.0	74.3	91.9	111.4	133.5	159.1	189.6	227.2	275.6	341.2	437.1	593.7	902.2	1818.3	2275.0	4555.5
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	0.04	0.04	0.01	0.01	0.02	0.02	0.00	0.01	0.03	0.04	0.02	0.04	0.01	0.05	0.14	0.06	0.03	0.01
Percent of General Population Standard	0.18	0.19	0.07	0.04	0.09	0.09	0.02	0.04	0.16	0.18	0.08	0.20	0.03	0.26	0.71	0.28	0.17	0.03

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 165 ft Fred A. Nudd Corporation Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02720-S

Customer Site Name: Ledyard South

Carrier Name: Verizon (App#: 150485-1)

Carrier Site ID / Name: 468773 / LEDYARD_SOUTH_CT

Site Location: 770 Long Cove Road

Ledyard, Connecticut

New London County

Latitude: 41.416872

Longitude: -72.044300

Analysis Result:

Max Structural Usage: 97.4% [Pass]

Max Foundation Usage: 28.0% [Pass]

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

Report Prepared By: Changzhi Zang



Introduction

The purpose of this report is to summarize the analysis results on the 165 ft Fred A. Nudd Corporation Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Fred A. Nudd Corporation, Project # 7489; Ledyard South, dated August 2000
Foundation Drawing	Fred A. Nudd Corporation, Project # 7489; Ledyard South, dated August 2000
Geotechnical Report	FDH, Project # 1302621600, dated April 05, 2013

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed $V_{ult} = 135$ mph (3-Sec. Gust)/ Nominal Design Wind Speed $V_{asd} = 105.0$ mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	$S_S = 0.163$, $S_1 = 0.059$

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	162.0	6	Antel BXA-70063-6CF	(1) 12.5' Low Profile Platform (Valmont P/N: RMQP-463)	(2) 1 5/8" Hybriflex	Verizon
2		6	Antel BXA-171063-12CF			
3		3	Alcatel Lucent RRH2X40-AWS RRUs			
4		3	Alcatel Lucent RRH2X40-07-U RRUs			
5		1	RFS DB-T1-6Z-8AB-0Z Distribution Box			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
6	162.0	6	JMA Wireless - MX06FRO660-03 - Panel	(1) 12.5' Low Profile Platform (Valmont P/N: RMQP-463)	(2) 1 5/8" Hybrid	Verizon
7		3	Samsung - VZS01 - Panel			
8		3	Antel - BXA-70063-6CF-EDIN-5 - Panel			
9		3	Samsung - B2/B66A RRH-BR049 - RRU			
10		3	Samsung - B5/B13 RRH-BR04C - RRU			
11		1	Commscope - FE-16148-OVP-B12 COVP			

All transmission lines are considered running inside of the pole shafts.

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:	48.9%	37.0%	97.4%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	2635.7	26.4	37.1

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 0.8168 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 48.91% at 0.0ft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Gh: 1.1

Base Elev: 0.000 (ft)

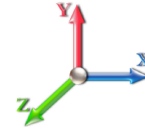
Page: 1



Dead Load Factor: 1.20

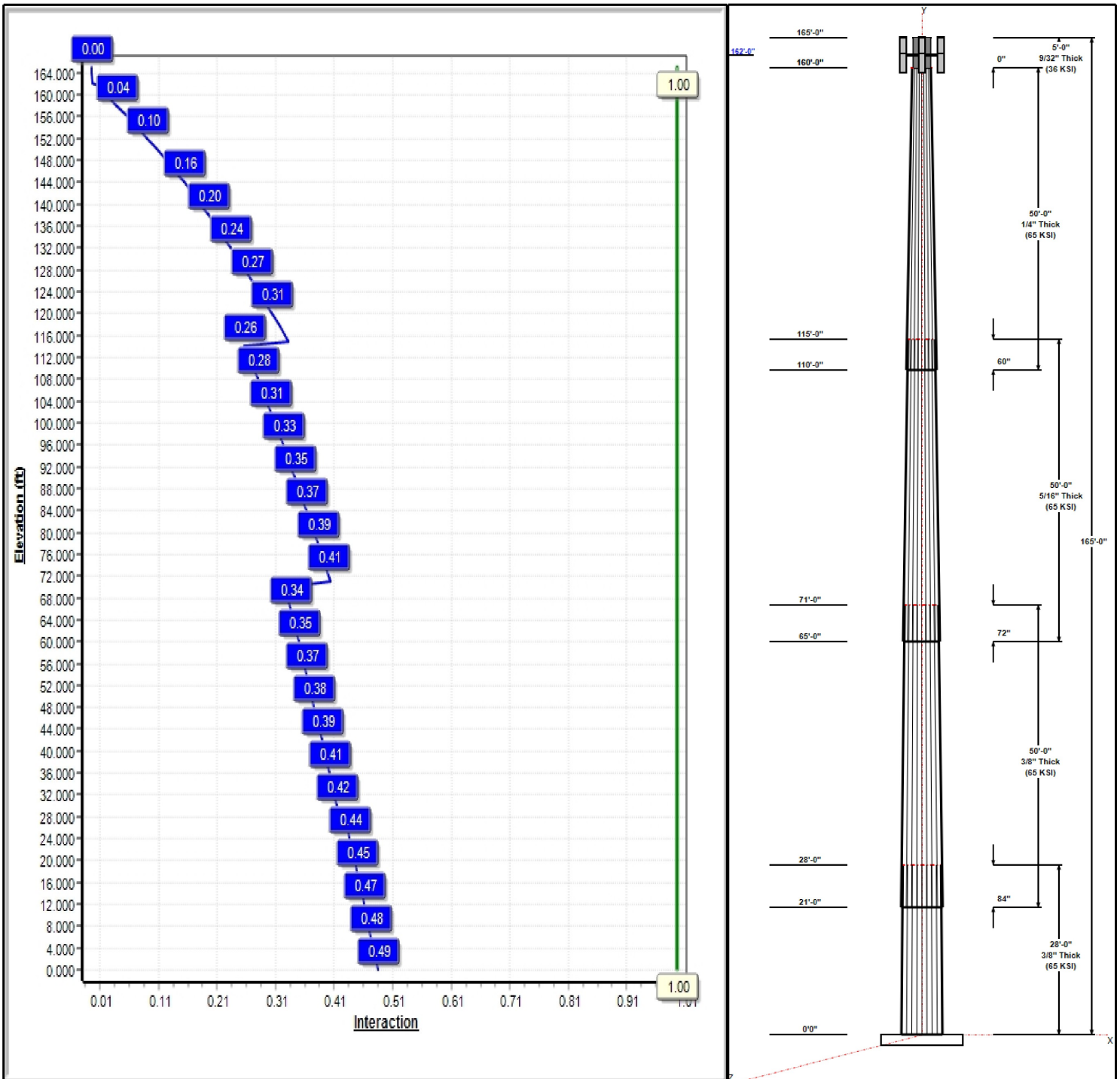
Wind Load Factor: 1.60

Load Case : 1.2D + 1.6W 105 mph Wind



Iterations: 27

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Structure: CT02720-S-SBA

Type: Custom
Site Name: Ledyard South
Height: 165.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23672

5/11/2021

Page: 2



Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	28.00	53.37	60.00	0.375		0.23672	65
2	50.00	43.94	55.78	0.375	Slip	0.23672	65
3	50.00	34.15	45.99	0.313	Slip	0.23672	65
4	50.00	24.00	35.84	0.250	Slip	0.23672	65
5	5.00	24.00	24.00	0.281	Butt	0.00000	36

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
162.00	162.00	6	MX06FRO660-03	Verizon
162.00	163.50	3	VZS01	Verizon
162.00	162.00	3	B2/B66A RRH-BR049	Verizon
162.00	162.00	3	B5/B13 RRH-BR04C	Verizon
162.00	162.00	1	FE-16148-OVP-B12	Verizon
162.00	162.00	1	RMQP-463 (LPP)	Verizon
162.00	162.00	3	BXA-70063-6CF-EDIN-5	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	162.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

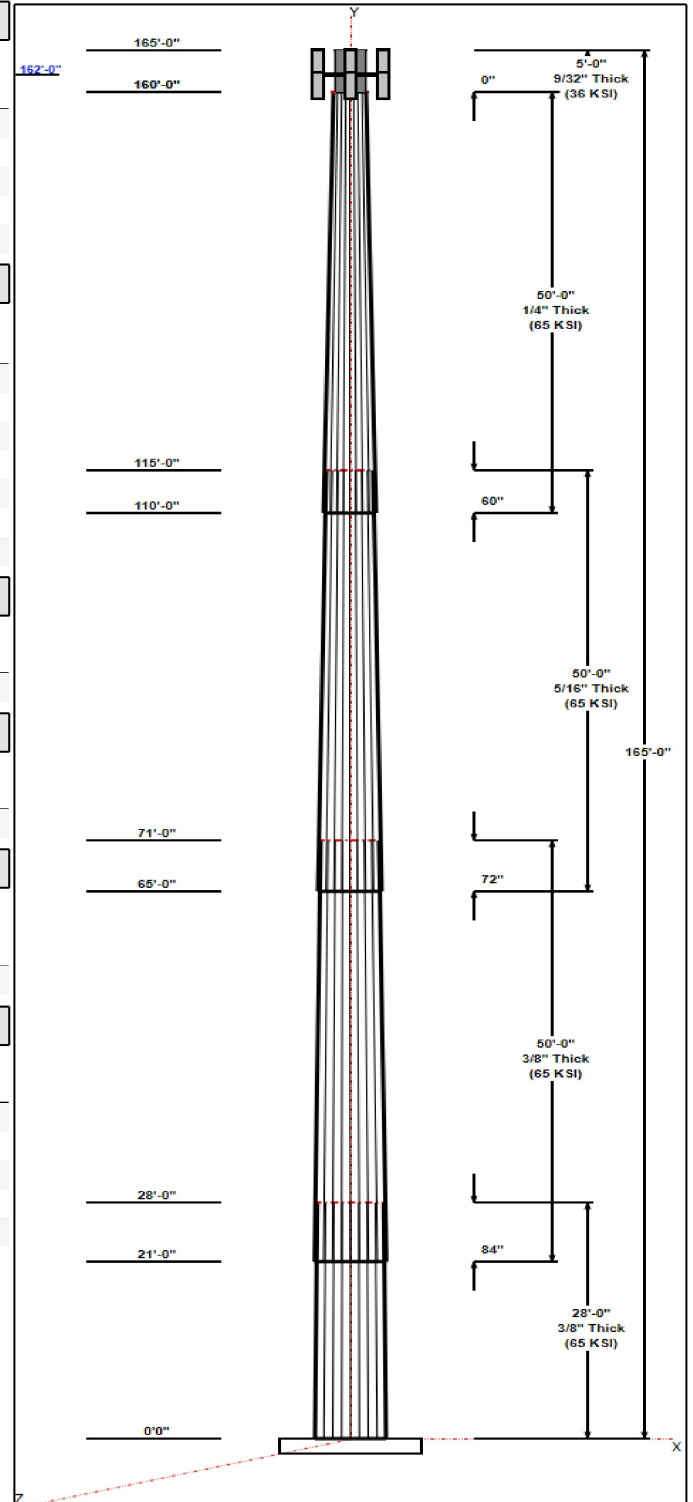
Qty	Specifications	Grade (ksi)	Arrangement
18	2.00" A687	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.5000	73.0	50.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 105 mph Wind	2635.7	26.4	37.1
0.9D + 1.6W 105 mph Wind	2619.6	26.4	27.8
1.2D + 1.0Di + 1.0Wi 50 mph Wind	650.2	6.8	55.3
1.2D + 1.0E	160.8	1.3	37.1
0.9D + 1.0E	159.7	1.3	27.8
1.0D + 1.0W 60 mph Wind	535.7	5.4	30.9

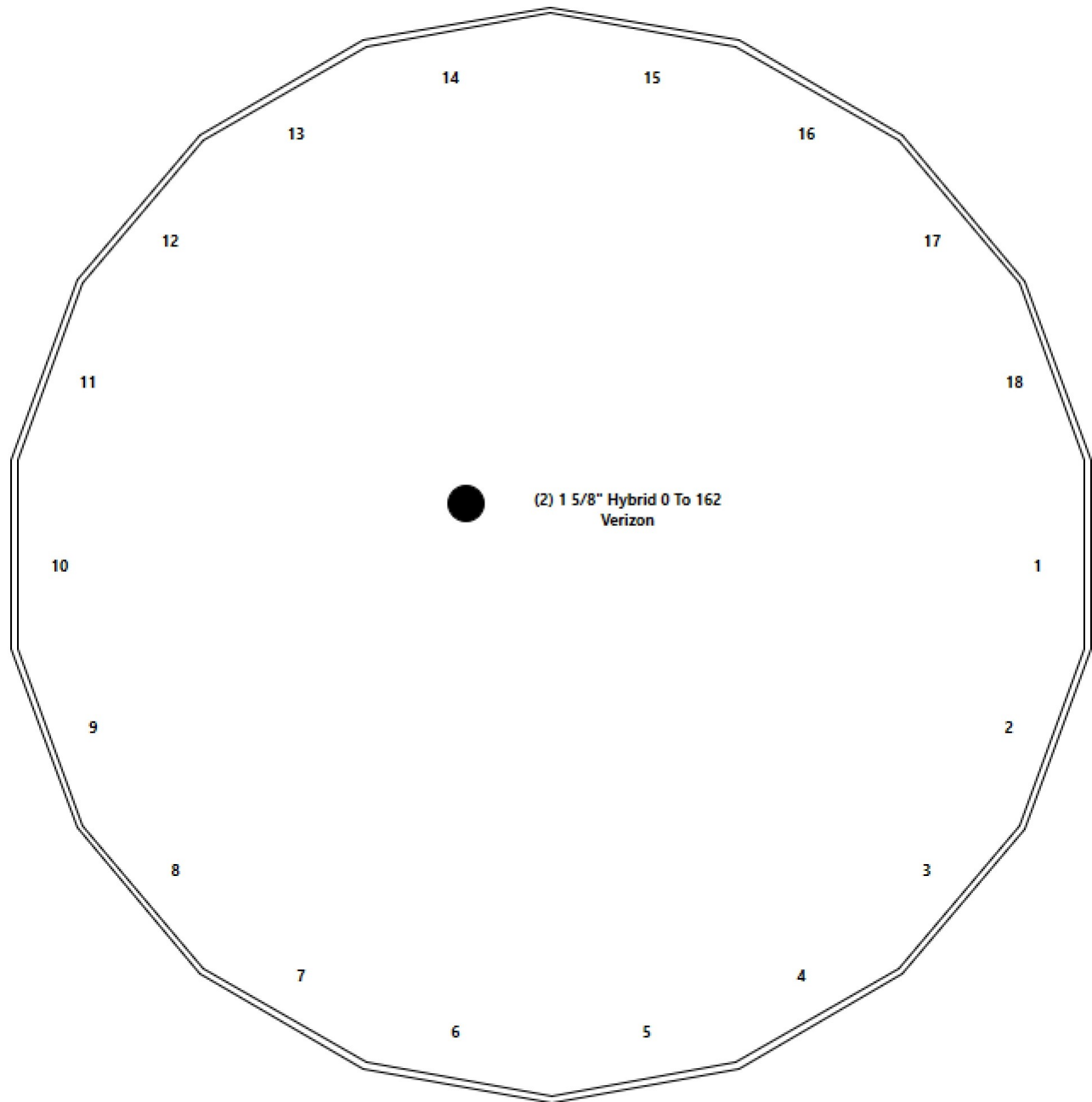


Structure: CT02720-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Ledyard South
Height: 165.00 (ft)

5/11/2021

Page: 3



Shaft Properties

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	28.000	0.3750	65		0.00	6,386
2	18	50.000	0.3750	65	Slip	84.00	10,021
3	18	50.000	0.3125	65	Slip	72.00	6,709
4	18	50.000	0.2500	65	Slip	60.00	4,005
5	R	5.000	0.2813	36	Flange	0.00	357
Total Shaft Weight:							27,478

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	70.97	31875.78	26.80	160.00	53.37	28.00	63.08	22383.4	23.69	142.3	0.236719
2	55.78	21.00	65.94	25573.89	24.82	148.74	43.94	71.00	51.85	12435.9	19.25	117.1	0.236719
3	45.99	65.00	45.30	11941.32	24.54	147.16	34.15	115.00	33.56	4856.01	17.86	109.2	0.236719
4	35.84	110.0	28.24	4517.72	23.86	143.34	24.00	160.00	18.84	1343.00	15.52	96.00	0.236719
5	24.00	160.0	20.96	1474.89	0.00	85.33	24.00	165.00	20.96	1474.89	0.00	85.33	0.000000

Load Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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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	162.00	MX06FRO660-03	6	46.00	9.87	0.87	317.37	11.257	0.87	0.00	0.00
2	162.00	VZS01	3	87.10	4.30	0.69	199.17	5.191	0.69	0.00	1.50
3	162.00	B2/B66A RRH-BR049	3	84.40	1.87	0.50	161.69	2.448	0.67	0.00	0.00
4	162.00	B5/B13 RRH-BR04C	3	70.30	1.87	0.50	140.33	2.448	0.67	0.00	0.00
5	162.00	FE-16148-OVP-B12	1	18.90	4.80	0.50	140.92	5.813	0.67	0.00	0.00
6	162.00	RMQP-463 (LPP)	1	2000.00	24.80	0.00	3758.70	29.724	0.00	0.00	0.00
7	162.00	BXA-70063-6CF-EDIN-5	3	17.00	7.57	0.73	192.82	8.841	0.73	0.00	0.00
Totals:			20	3,071.30			7,885.91				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	162.00	(2) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3750	60.000	70.966	31875.8	26.80	160.00	69.9	1046.	0.0
2.00		0.3750	59.527	70.403	31122.5	26.58	158.74	70.1	1029.	481.0
4.00		0.3750	59.053	69.839	30381.2	26.36	157.47	70.4	1013.	477.2
6.00		0.3750	58.580	69.276	29651.7	26.13	156.21	70.7	997.0	473.4
8.00		0.3750	58.106	68.712	28934.0	25.91	154.95	70.9	980.8	469.5
10.00		0.3750	57.633	68.149	28228.0	25.69	153.69	71.2	964.7	465.7
12.00		0.3750	57.159	67.585	27533.5	25.47	152.42	71.4	948.8	461.9
14.00		0.3750	56.686	67.022	26850.6	25.24	151.16	71.7	933.0	458.0
16.00		0.3750	56.212	66.458	26179.0	25.02	149.90	72.0	917.3	454.2
18.00		0.3750	55.739	65.895	25518.8	24.80	148.64	72.2	901.7	450.4
20.00		0.3750	55.266	65.331	24869.7	24.58	147.38	72.5	886.3	446.5
21.00	Bot - Section 2	0.3750	55.029	65.049	24549.3	24.46	146.74	72.6	878.7	221.8
22.00		0.3750	54.792	64.768	24231.7	24.35	146.11	72.8	871.1	444.8
24.00		0.3750	54.319	64.204	23604.7	24.13	144.85	73.0	855.9	883.8
26.00		0.3750	53.845	63.641	22988.7	23.91	143.59	73.3	840.9	876.1
28.00	Top - Section 1	0.3750	54.122	63.970	23347.2	24.04	144.32	0.0	0.0	868.5
30.00		0.3750	53.648	63.406	22735.7	23.82	143.06	73.4	834.7	433.4
32.00		0.3750	53.175	62.843	22134.9	23.59	141.80	73.7	819.9	429.6
34.00		0.3750	52.702	62.279	21544.8	23.37	140.54	73.9	805.2	425.8
36.00		0.3750	52.228	61.716	20965.3	23.15	139.28	74.2	790.6	421.9
38.00		0.3750	51.755	61.152	20396.2	22.92	138.01	74.4	776.2	418.1
40.00		0.3750	51.281	60.589	19837.6	22.70	136.75	74.7	761.9	414.3
42.00		0.3750	50.808	60.025	19289.2	22.48	135.49	75.0	747.8	410.4
44.00		0.3750	50.334	59.462	18751.1	22.26	134.22	75.2	733.7	406.6
46.00		0.3750	49.861	58.899	18223.0	22.03	132.96	75.5	719.9	402.8
48.00		0.3750	49.387	58.335	17705.0	21.81	131.70	75.7	706.1	398.9
50.00		0.3750	48.914	57.772	17196.9	21.59	130.44	76.0	692.5	395.1
52.00		0.3750	48.441	57.208	16698.6	21.37	129.17	76.3	679.0	391.2
54.00		0.3750	47.967	56.645	16210.0	21.14	127.91	76.5	665.6	387.4
56.00		0.3750	47.494	56.081	15731.0	20.92	126.65	76.8	652.4	383.6
58.00		0.3750	47.020	55.518	15261.6	20.70	125.39	77.1	639.3	379.7
60.00		0.3750	46.547	54.954	14801.6	20.48	124.13	77.3	626.3	375.9
62.00		0.3750	46.073	54.391	14350.9	20.25	122.86	77.6	613.5	372.1
64.00		0.3750	45.600	53.827	13909.5	20.03	121.60	77.8	600.8	368.2
65.00	Bot - Section 3	0.3750	45.363	53.545	13692.2	19.92	120.97	78.0	594.5	182.7
66.00		0.3750	45.127	53.264	13477.2	19.81	120.34	78.1	588.2	335.5
68.00		0.3750	44.653	52.700	13054.0	19.59	119.07	78.4	575.8	665.7
70.00		0.3750	44.180	52.137	12639.7	19.36	117.81	78.6	563.5	658.7
71.00	Top - Section 2	0.3125	44.568	43.894	10861.6	23.74	142.62	0.0	0.0	326.7
72.00		0.3125	44.331	43.660	10688.3	23.60	141.86	73.6	474.9	149.0
74.00		0.3125	43.858	43.190	10347.1	23.34	140.34	74.0	464.7	295.5
76.00		0.3125	43.384	42.720	10013.3	23.07	138.83	74.3	454.6	292.3
78.00		0.3125	42.911	42.251	9686.7	22.80	137.31	74.6	444.6	289.1
80.00		0.3125	42.438	41.781	9367.3	22.53	135.80	74.9	434.8	285.9
82.00		0.3125	41.964	41.312	9055.0	22.27	134.28	75.2	425.0	282.7
84.00		0.3125	41.491	40.842	8749.7	22.00	132.77	75.5	415.4	279.6
86.00		0.3125	41.017	40.373	8451.4	21.73	131.25	75.8	405.8	276.4
88.00		0.3125	40.544	39.903	8159.9	21.47	129.74	76.2	396.4	273.2
90.00		0.3125	40.070	39.433	7875.2	21.20	128.22	76.5	387.1	270.0
92.00		0.3125	39.597	38.964	7597.2	20.93	126.71	76.8	377.9	266.8

Increment Length: 2 (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)
94.00		0.3125	39.123	38.494	7325.8	20.66	125.20	77.1	368.8	263.6
96.00		0.3125	38.650	38.025	7061.0	20.40	123.68	77.4	359.8	260.4
98.00		0.3125	38.177	37.555	6802.6	20.13	122.17	77.7	351.0	257.2
100.00		0.3125	37.703	37.085	6550.6	19.86	120.65	78.0	342.2	254.0
102.00		0.3125	37.230	36.616	6304.9	19.60	119.13	78.4	333.6	250.8
104.00		0.3125	36.756	36.146	6065.5	19.33	117.62	78.7	325.0	247.6
106.00		0.3125	36.283	35.677	5832.1	19.06	116.10	79.0	316.6	244.4
108.00		0.3125	35.809	35.207	5604.9	18.79	114.59	79.3	308.3	241.2
110.00	Bot - Section 4	0.3125	35.336	34.738	5383.6	18.53	113.08	79.6	300.1	238.0
112.00		0.3125	34.862	34.268	5168.2	18.26	111.56	79.9	292.0	425.7
114.00		0.3125	34.389	33.798	4958.6	17.99	110.05	80.2	284.0	419.9
115.00	Top - Section 3	0.2500	34.652	27.297	4081.8	23.03	138.61	0.0	0.0	207.8
116.00		0.2500	34.416	27.109	3998.1	22.86	137.66	74.5	228.8	92.6
118.00		0.2500	33.942	26.734	3834.2	22.53	135.77	74.9	222.5	183.2
120.00		0.2500	33.469	26.358	3674.8	22.20	133.88	75.3	216.3	180.7
122.00		0.2500	32.995	25.982	3519.9	21.86	131.98	75.7	210.1	178.1
124.00		0.2500	32.522	25.607	3369.4	21.53	130.09	76.1	204.1	175.5
126.00		0.2500	32.048	25.231	3223.3	21.19	128.19	76.5	198.1	173.0
128.00		0.2500	31.575	24.855	3081.5	20.86	126.30	76.9	192.2	170.4
130.00		0.2500	31.102	24.480	2943.9	20.53	124.41	77.3	186.4	167.9
132.00		0.2500	30.628	24.104	2810.4	20.19	122.51	77.7	180.7	165.3
134.00		0.2500	30.155	23.729	2681.0	19.86	120.62	78.0	175.1	162.8
136.00		0.2500	29.681	23.353	2555.7	19.52	118.72	78.4	169.6	160.2
138.00		0.2500	29.208	22.977	2434.3	19.19	116.83	78.8	164.2	157.7
140.00		0.2500	28.734	22.602	2316.9	18.86	114.94	79.2	158.8	155.1
142.00		0.2500	28.261	22.226	2203.3	18.52	113.04	79.6	153.6	152.5
144.00		0.2500	27.788	21.850	2093.4	18.19	111.15	80.0	148.4	150.0
146.00		0.2500	27.314	21.475	1987.3	17.85	109.26	80.4	143.3	147.4
148.00		0.2500	26.841	21.099	1884.8	17.52	107.36	80.8	138.3	144.9
150.00		0.2500	26.367	20.723	1785.9	17.19	105.47	81.2	133.4	142.3
152.00		0.2500	25.894	20.348	1690.6	16.85	103.58	81.6	128.6	139.8
154.00		0.2500	25.420	19.972	1598.6	16.52	101.68	82.0	123.9	137.2
156.00		0.2500	24.947	19.596	1510.1	16.18	99.79	82.4	119.2	134.6
158.00		0.2500	24.473	19.221	1424.9	15.85	97.89	82.5	114.7	132.1
160.00	Top - Section 4	0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	129.5
160.00	Bot - Section 5	0.2813	24.000	20.957	1474.9	13.79	85.33	36.0	122.9	
162.00		0.2813	24.000	20.957	1474.9	0.00	85.33	36.0	122.9	142.6
164.00		0.2813	24.000	20.957	1474.9	0.00	85.33	36.0	122.9	142.6
165.00		0.2813	24.000	20.957	1474.9	0.00	85.33	36.0	122.9	71.3

27477.5

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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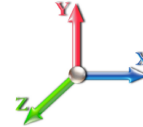


Load Case: 1.2D + 1.6W 105 mph Wind

Iterations 27

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	22.791	25.07	491.49	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	22.791	25.07	487.61	0.650	0.000	2.00	10.114	6.57	263.7	0.0	577.3
4.00		1.00	0.85	22.791	25.07	483.74	0.650	0.000	2.00	10.034	6.52	261.6	0.0	572.7
6.00		1.00	0.85	22.791	25.07	479.86	0.650	0.000	2.00	9.954	6.47	259.5	0.0	568.1
8.00		1.00	0.85	22.791	25.07	475.98	0.650	0.000	2.00	9.874	6.42	257.4	0.0	563.5
10.00		1.00	0.85	22.791	25.07	472.10	0.650	0.000	2.00	9.794	6.37	255.3	0.0	558.8
12.00		1.00	0.85	22.791	25.07	468.22	0.650	0.000	2.00	9.714	6.31	253.3	0.0	554.2
14.00		1.00	0.85	22.791	25.07	464.35	0.650	0.000	2.00	9.633	6.26	251.2	0.0	549.6
16.00		1.00	0.86	23.072	25.38	463.30	0.650	0.000	2.00	9.553	6.21	252.2	0.0	545.0
18.00		1.00	0.88	23.652	26.02	465.13	0.650	0.000	2.00	9.473	6.16	256.3	0.0	540.4
20.00		1.00	0.90	24.182	26.60	466.32	0.650	0.000	2.00	9.393	6.11	259.9	0.0	535.8
21.00	Bot - Section 2	1.00	0.91	24.432	26.87	466.72	0.650	0.000	1.00	4.667	3.03	130.4	0.0	266.2
22.00		1.00	0.92	24.672	27.14	466.99	0.650	0.000	1.00	4.710	3.06	132.9	0.0	533.7
24.00		1.00	0.94	25.128	27.64	467.22	0.650	0.000	2.00	9.360	6.08	269.1	0.0	1060.6
26.00		1.00	0.95	25.555	28.11	467.06	0.650	0.000	2.00	9.280	6.03	271.3	0.0	1051.4
28.00	Top - Section 1	1.00	0.97	25.957	28.55	466.58	0.650	0.000	2.00	9.200	5.98	273.2	0.0	1042.2
30.00		1.00	0.98	26.337	28.97	472.42	0.650	0.000	2.00	9.119	5.93	274.8	0.0	520.1
32.00		1.00	1.00	26.697	29.37	471.44	0.650	0.000	2.00	9.039	5.88	276.1	0.0	515.5
34.00		1.00	1.01	27.040	29.74	470.23	0.650	0.000	2.00	8.959	5.82	277.1	0.0	510.9
36.00		1.00	1.02	27.367	30.10	468.82	0.650	0.000	2.00	8.879	5.77	278.0	0.0	506.3
38.00		1.00	1.03	27.681	30.45	467.22	0.650	0.000	2.00	8.799	5.72	278.6	0.0	501.7
40.00		1.00	1.04	27.981	30.78	465.46	0.650	0.000	2.00	8.719	5.67	279.1	0.0	497.1
42.00		1.00	1.05	28.270	31.10	463.53	0.650	0.000	2.00	8.639	5.62	279.4	0.0	492.5
44.00		1.00	1.06	28.548	31.40	461.47	0.650	0.000	2.00	8.559	5.56	279.5	0.0	487.9
46.00		1.00	1.07	28.817	31.70	459.27	0.650	0.000	2.00	8.478	5.51	279.5	0.0	483.3
48.00		1.00	1.08	29.076	31.98	456.95	0.650	0.000	2.00	8.398	5.46	279.4	0.0	478.7
50.00		1.00	1.09	29.327	32.26	454.52	0.650	0.000	2.00	8.318	5.41	279.1	0.0	474.1
52.00		1.00	1.10	29.570	32.53	451.98	0.650	0.000	2.00	8.238	5.35	278.7	0.0	469.5
54.00		1.00	1.11	29.806	32.79	449.35	0.650	0.000	2.00	8.158	5.30	278.2	0.0	464.9
56.00		1.00	1.12	30.035	33.04	446.62	0.650	0.000	2.00	8.078	5.25	277.6	0.0	460.3
58.00		1.00	1.13	30.258	33.28	443.80	0.650	0.000	2.00	7.998	5.20	276.8	0.0	455.7
60.00		1.00	1.14	30.475	33.52	440.91	0.650	0.000	2.00	7.918	5.15	276.0	0.0	451.1
62.00		1.00	1.14	30.686	33.75	437.93	0.650	0.000	2.00	7.837	5.09	275.1	0.0	446.5
64.00		1.00	1.15	30.892	33.98	434.88	0.650	0.000	2.00	7.757	5.04	274.1	0.0	441.9
65.00	Bot - Section 3	1.00	1.16	30.993	34.09	433.33	0.650	0.000	1.00	3.849	2.50	136.5	0.0	219.2
66.00		1.00	1.16	31.092	34.20	431.76	0.650	0.000	1.00	3.881	2.52	138.1	0.0	402.6
68.00		1.00	1.17	31.288	34.42	428.58	0.650	0.000	2.00	7.703	5.01	275.7	0.0	798.8
70.00		1.00	1.17	31.480	34.63	425.33	0.650	0.000	2.00	7.623	4.95	274.5	0.0	790.4
71.00	Top - Section 2	1.00	1.18	31.574	34.73	423.68	0.650	0.000	1.00	3.781	2.46	136.6	0.0	392.0
72.00		1.00	1.18	31.667	34.83	428.06	0.650	0.000	1.00	3.761	2.44	136.3	0.0	178.8
74.00		1.00	1.19	31.850	35.04	424.71	0.650	0.000	2.00	7.462	4.85	271.9	0.0	354.6
76.00		1.00	1.19	32.030	35.23	421.30	0.650	0.000	2.00	7.382	4.80	270.5	0.0	350.8
78.00		1.00	1.20	32.205	35.43	417.85	0.650	0.000	2.00	7.302	4.75	269.0	0.0	347.0
80.00		1.00	1.21	32.377	35.62	414.34	0.650	0.000	2.00	7.222	4.69	267.5	0.0	343.1
82.00		1.00	1.21	32.546	35.80	410.78	0.650	0.000	2.00	7.142	4.64	265.9	0.0	339.3
84.00		1.00	1.22	32.712	35.98	407.18	0.650	0.000	2.00	7.062	4.59	264.3	0.0	335.5
86.00		1.00	1.23	32.874	36.16	403.53	0.650	0.000	2.00	6.982	4.54	262.6	0.0	331.6

Wind Loading - Shaft

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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88.00	1.00	1.23	33.034	36.34	399.84	0.650	0.000	2.00	6.902	4.49	260.8	0.0	327.8
90.00	1.00	1.24	33.190	36.51	396.11	0.650	0.000	2.00	6.821	4.43	259.0	0.0	324.0
92.00	1.00	1.24	33.344	36.68	392.34	0.650	0.000	2.00	6.741	4.38	257.2	0.0	320.1
94.00	1.00	1.25	33.496	36.85	388.52	0.650	0.000	2.00	6.661	4.33	255.3	0.0	316.3
96.00	1.00	1.25	33.644	37.01	384.67	0.650	0.000	2.00	6.581	4.28	253.3	0.0	312.5
98.00	1.00	1.26	33.791	37.17	380.79	0.650	0.000	2.00	6.501	4.23	251.3	0.0	308.6
100.00	1.00	1.27	33.935	37.33	376.86	0.650	0.000	2.00	6.421	4.17	249.3	0.0	304.8
102.00	1.00	1.27	34.077	37.48	372.91	0.650	0.000	2.00	6.341	4.12	247.2	0.0	300.9
104.00	1.00	1.28	34.216	37.64	368.92	0.650	0.000	2.00	6.261	4.07	245.1	0.0	297.1
106.00	1.00	1.28	34.354	37.79	364.90	0.650	0.000	2.00	6.180	4.02	242.9	0.0	293.3
108.00	1.00	1.29	34.489	37.94	360.85	0.650	0.000	2.00	6.100	3.97	240.7	0.0	289.4
110.00 Bot - Section 4	1.00	1.29	34.623	38.08	356.76	0.650	0.000	2.00	6.020	3.91	238.5	0.0	285.6
112.00	1.00	1.30	34.754	38.23	352.65	0.650	0.000	2.00	6.025	3.92	239.5	0.0	510.8
114.00	1.00	1.30	34.884	38.37	348.51	0.650	0.000	2.00	5.945	3.86	237.2	0.0	503.9
115.00 Top - Section 3	1.00	1.30	34.948	38.44	346.43	0.650	0.000	1.00	2.942	1.91	117.6	0.0	249.4
116.00	1.00	1.31	35.012	38.51	349.42	0.650	0.000	1.00	2.922	1.90	117.0	0.0	111.1
118.00	1.00	1.31	35.138	38.65	345.23	0.650	0.000	2.00	5.784	3.76	232.5	0.0	219.9
120.00	1.00	1.32	35.263	38.79	341.02	0.650	0.000	2.00	5.704	3.71	230.1	0.0	216.8
122.00	1.00	1.32	35.386	38.92	336.78	0.650	0.000	2.00	5.624	3.66	227.7	0.0	213.7
124.00	1.00	1.32	35.507	39.06	332.52	0.650	0.000	2.00	5.544	3.60	225.2	0.0	210.7
126.00	1.00	1.33	35.627	39.19	328.23	0.650	0.000	2.00	5.464	3.55	222.7	0.0	207.6
128.00	1.00	1.33	35.745	39.32	323.92	0.650	0.000	2.00	5.384	3.50	220.2	0.0	204.5
130.00	1.00	1.34	35.862	39.45	319.58	0.650	0.000	2.00	5.304	3.45	217.6	0.0	201.5
132.00	1.00	1.34	35.977	39.58	315.22	0.650	0.000	2.00	5.223	3.40	215.0	0.0	198.4
134.00	1.00	1.35	36.091	39.70	310.84	0.650	0.000	2.00	5.143	3.34	212.4	0.0	195.3
136.00	1.00	1.35	36.204	39.82	306.44	0.650	0.000	2.00	5.063	3.29	209.7	0.0	192.2
138.00	1.00	1.35	36.316	39.95	302.02	0.650	0.000	2.00	4.983	3.24	207.0	0.0	189.2
140.00	1.00	1.36	36.426	40.07	297.57	0.650	0.000	2.00	4.903	3.19	204.3	0.0	186.1
142.00	1.00	1.36	36.535	40.19	293.11	0.650	0.000	2.00	4.823	3.13	201.6	0.0	183.0
144.00	1.00	1.37	36.642	40.31	288.62	0.650	0.000	2.00	4.743	3.08	198.8	0.0	180.0
146.00	1.00	1.37	36.749	40.42	284.12	0.650	0.000	2.00	4.663	3.03	196.0	0.0	176.9
148.00	1.00	1.37	36.854	40.54	279.59	0.650	0.000	2.00	4.583	2.98	193.2	0.0	173.8
150.00	1.00	1.38	36.959	40.65	275.05	0.650	0.000	2.00	4.502	2.93	190.4	0.0	170.8
152.00	1.00	1.38	37.062	40.77	270.49	0.650	0.000	2.00	4.422	2.87	187.5	0.0	167.7
154.00	1.00	1.39	37.164	40.88	265.91	0.650	0.000	2.00	4.342	2.82	184.6	0.0	164.6
156.00	1.00	1.39	37.265	40.99	261.31	0.650	0.000	2.00	4.262	2.77	181.7	0.0	161.6
158.00	1.00	1.39	37.365	41.10	256.69	0.650	0.000	2.00	4.182	2.72	178.8	0.0	158.5
160.00 Top - Section 4	1.00	1.40	37.464	41.21	252.06	0.650	0.000	2.00	4.102	2.67	175.8	0.0	155.4
162.00 Appurtenance(s)	1.00	1.40	37.562	41.32	248.56	0.600	0.000	2.00	4.000	2.40	158.7	0.0	171.2
164.00	1.00	1.40	37.660	41.43	248.88	0.600	0.000	2.00	4.000	2.40	159.1	0.0	171.2
165.00	1.00	1.41	37.708	41.48	249.04	0.600	0.000	1.00	2.000	1.20	79.6	0.0	85.6
Totals:								165.00			20,235.6		32,973.0

Discrete Appurtenance Forces

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

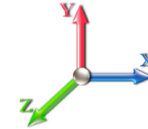


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Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	162.00	MX06FRO660-03	6	37.562	41.319	0.70	0.80	41.22	331.20	0.000	0.000	2724.86	0.00	0.00
2	162.00	VZS01	3	37.635	41.399	0.55	0.80	7.12	313.56	0.000	1.500	471.67	0.00	707.50
3	162.00	B2/B66A RRH-BR049	3	37.562	41.319	0.40	0.80	2.24	303.84	0.000	0.000	148.35	0.00	0.00
4	162.00	B5/B13 RRH-BR04C	3	37.562	41.319	0.40	0.80	2.24	253.08	0.000	0.000	148.35	0.00	0.00
5	162.00	FE-16148-OVP-B12	1	37.562	41.319	0.40	0.80	1.92	22.68	0.000	0.000	126.93	0.00	0.00
6	162.00	RMQP-463 (LPP)	1	37.562	41.319	0.00	1.00	24.80	2400.00	0.000	0.000	1639.52	0.00	0.00
7	162.00	BXA-70063-6CF-EDIN-5	3	37.562	41.319	0.58	0.80	13.26	61.20	0.000	0.000	876.79	0.00	0.00
Totals:									3,685.56			6,136.47		

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

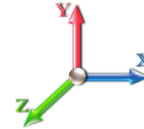


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Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		263.71	582.54	0.00	0.00
4.00		261.62	577.93	0.00	0.00
6.00		259.53	573.33	0.00	0.00
8.00		257.44	568.73	0.00	0.00
10.00		255.35	564.13	0.00	0.00
12.00		253.26	559.53	0.00	0.00
14.00		251.17	554.92	0.00	0.00
16.00		252.16	550.32	0.00	0.00
18.00		256.32	545.72	0.00	0.00
20.00		259.85	541.12	0.00	0.00
21.00		130.43	268.83	0.00	0.00
22.00		132.94	536.37	0.00	0.00
24.00		269.06	1065.84	0.00	0.00
26.00		271.29	1056.64	0.00	0.00
28.00		273.18	1047.43	0.00	0.00
30.00		274.76	525.40	0.00	0.00
32.00		276.07	520.80	0.00	0.00
34.00		277.14	516.20	0.00	0.00
36.00		277.99	511.59	0.00	0.00
38.00		278.63	506.99	0.00	0.00
40.00		279.09	502.39	0.00	0.00
42.00		279.38	497.79	0.00	0.00
44.00		279.52	493.19	0.00	0.00
46.00		279.50	488.59	0.00	0.00
48.00		279.35	483.98	0.00	0.00
50.00		279.08	479.38	0.00	0.00
52.00		278.68	474.78	0.00	0.00
54.00		278.17	470.18	0.00	0.00
56.00		277.56	465.58	0.00	0.00
58.00		276.84	460.97	0.00	0.00
60.00		276.03	456.37	0.00	0.00
62.00		275.13	451.77	0.00	0.00
64.00		274.14	447.17	0.00	0.00
65.00		136.45	221.86	0.00	0.00
66.00		138.06	405.22	0.00	0.00
68.00		275.71	804.11	0.00	0.00
70.00		274.52	795.67	0.00	0.00
71.00		136.58	394.67	0.00	0.00
72.00		136.26	181.40	0.00	0.00
74.00		271.91	359.92	0.00	0.00
76.00		270.50	356.08	0.00	0.00
78.00		269.03	352.25	0.00	0.00
80.00		267.50	348.41	0.00	0.00
82.00		265.92	344.58	0.00	0.00
84.00		264.27	340.74	0.00	0.00
86.00		262.57	336.91	0.00	0.00

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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88.00	260.82	333.07	0.00	0.00
90.00	259.01	329.24	0.00	0.00
92.00	257.15	325.40	0.00	0.00
94.00	255.25	321.57	0.00	0.00
96.00	253.30	317.73	0.00	0.00
98.00	251.31	313.90	0.00	0.00
100.00	249.27	310.06	0.00	0.00
102.00	247.18	306.23	0.00	0.00
104.00	245.06	302.39	0.00	0.00
106.00	242.90	298.56	0.00	0.00
108.00	240.69	294.72	0.00	0.00
110.00	238.45	290.89	0.00	0.00
112.00	239.54	516.12	0.00	0.00
114.00	237.23	509.21	0.00	0.00
115.00	117.63	252.02	0.00	0.00
116.00	117.05	113.72	0.00	0.00
118.00	232.52	225.14	0.00	0.00
120.00	230.11	222.07	0.00	0.00
122.00	227.67	219.00	0.00	0.00
124.00	225.20	215.94	0.00	0.00
126.00	222.69	212.87	0.00	0.00
128.00	220.15	209.80	0.00	0.00
130.00	217.59	206.73	0.00	0.00
132.00	214.99	203.66	0.00	0.00
134.00	212.36	200.60	0.00	0.00
136.00	209.71	197.53	0.00	0.00
138.00	207.02	194.46	0.00	0.00
140.00	204.31	191.39	0.00	0.00
142.00	201.58	188.33	0.00	0.00
144.00	198.81	185.26	0.00	0.00
146.00	196.02	182.19	0.00	0.00
148.00	193.21	179.12	0.00	0.00
150.00	190.36	176.05	0.00	0.00
152.00	187.50	172.99	0.00	0.00
154.00	184.61	169.92	0.00	0.00
156.00	181.70	166.85	0.00	0.00
158.00	178.76	163.78	0.00	0.00
160.00	175.80	160.71	0.00	0.00
162.00	(20) attachments 6295.14	3861.99	0.00	707.50
164.00	159.07	171.15	0.00	0.00
165.00	79.64	85.58	0.00	0.00
Totals:		26,372.04	37,086.24	0.00
				707.50

Calculated Forces

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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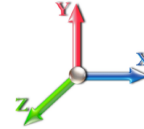


Load Case: 1.2D + 1.6W 105 mph Wind

Iterations 27

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	-37.07	-26.39	0.00	-2635.6	0.00	2635.66	4463.02	2231.51	10951.4	5483.88	0.00	0.000	0.000	0.489
2.00	-36.47	-26.15	0.00	-2582.8	0.00	2582.89	4444.18	2222.09	10818.1	5417.09	0.01	-0.047	0.000	0.485
4.00	-35.87	-25.92	0.00	-2530.5	0.00	2530.58	4425.06	2212.53	10684.8	5350.35	0.04	-0.093	0.000	0.481
6.00	-35.28	-25.69	0.00	-2478.7	0.00	2478.74	4405.68	2202.84	10551.6	5283.67	0.09	-0.140	0.000	0.477
8.00	-34.69	-25.46	0.00	-2427.3	0.00	2427.37	4386.04	2193.02	10418.6	5217.05	0.16	-0.187	0.000	0.473
10.00	-34.11	-25.23	0.00	-2376.4	0.00	2376.46	4366.13	2183.07	10285.7	5150.50	0.25	-0.235	0.000	0.469
12.00	-33.53	-25.00	0.00	-2326.0	0.00	2326.00	4345.95	2172.98	10152.9	5084.04	0.36	-0.282	0.000	0.465
14.00	-32.95	-24.77	0.00	-2276.0	0.00	2276.00	4325.51	2162.76	10020.4	5017.66	0.49	-0.329	0.000	0.461
16.00	-32.38	-24.54	0.00	-2226.4	0.00	2226.46	4304.81	2152.40	9888.06	4951.38	0.63	-0.377	0.000	0.457
18.00	-31.82	-24.31	0.00	-2177.3	0.00	2177.37	4283.84	2141.92	9755.90	4885.20	0.80	-0.425	0.000	0.453
20.00	-31.26	-24.07	0.00	-2128.7	0.00	2128.75	4262.60	2131.30	9623.96	4819.13	0.99	-0.473	0.000	0.449
21.00	-30.99	-23.95	0.00	-2104.6	0.00	2104.68	4251.88	2125.94	9558.08	4786.14	1.09	-0.497	0.000	0.447
22.00	-30.44	-23.83	0.00	-2080.7	0.00	2080.74	4241.09	2120.55	9492.26	4753.19	1.20	-0.522	0.000	0.445
24.00	-29.35	-23.57	0.00	-2033.0	0.00	2033.08	4219.33	2109.66	9360.82	4687.37	1.43	-0.570	0.000	0.441
26.00	-28.28	-23.32	0.00	-1985.9	0.00	1985.93	4197.29	2098.65	9229.64	4621.68	1.68	-0.618	0.000	0.437
28.00	-27.22	-23.05	0.00	-1939.3	0.00	1939.30	4210.19	2105.10	9306.23	4660.03	1.95	-0.667	0.000	0.423
30.00	-26.68	-22.80	0.00	-1893.1	0.00	1893.19	4188.05	2094.02	9175.18	4594.41	2.24	-0.716	0.000	0.419
32.00	-26.14	-22.53	0.00	-1847.6	0.00	1847.60	4165.64	2082.82	9044.41	4528.93	2.55	-0.762	0.000	0.414
34.00	-25.61	-22.27	0.00	-1802.5	0.00	1802.54	4142.96	2071.48	8913.95	4463.60	2.88	-0.809	0.000	0.410
36.00	-25.08	-22.01	0.00	-1758.0	0.00	1758.00	4120.02	2060.01	8783.81	4398.44	3.23	-0.856	0.000	0.406
38.00	-24.56	-21.74	0.00	-1713.9	0.00	1713.99	4096.81	2048.41	8654.02	4333.44	3.60	-0.903	0.000	0.402
40.00	-24.05	-21.47	0.00	-1670.5	0.00	1670.51	4073.34	2036.67	8524.57	4268.62	3.99	-0.951	0.000	0.397
42.00	-23.54	-21.20	0.00	-1627.5	0.00	1627.56	4049.60	2024.80	8395.50	4203.99	4.40	-0.998	0.000	0.393
44.00	-23.03	-20.93	0.00	-1585.1	0.00	1585.16	4025.60	2012.80	8266.81	4139.55	4.82	-1.045	0.000	0.389
46.00	-22.53	-20.66	0.00	-1543.2	0.00	1543.29	4001.33	2000.67	8138.53	4075.31	5.27	-1.093	0.000	0.384
48.00	-22.04	-20.39	0.00	-1501.9	0.00	1501.96	3976.80	1988.40	8010.66	4011.28	5.74	-1.140	0.000	0.380
50.00	-21.55	-20.12	0.00	-1461.1	0.00	1461.17	3952.00	1976.00	7883.22	3947.47	6.23	-1.188	0.000	0.376
52.00	-21.06	-19.85	0.00	-1420.9	0.00	1420.93	3926.93	1963.46	7756.23	3883.88	6.74	-1.236	0.000	0.371
54.00	-20.58	-19.58	0.00	-1381.2	0.00	1381.22	3901.60	1950.80	7629.71	3820.52	7.27	-1.283	0.000	0.367
56.00	-20.10	-19.31	0.00	-1342.0	0.00	1342.06	3876.00	1938.00	7503.66	3757.41	7.81	-1.331	0.000	0.362
58.00	-19.63	-19.04	0.00	-1303.4	0.00	1303.44	3850.14	1925.07	7378.11	3694.54	8.38	-1.379	0.000	0.358
60.00	-19.17	-18.77	0.00	-1265.3	0.00	1265.36	3824.01	1912.00	7253.07	3631.92	8.97	-1.427	0.000	0.354
62.00	-18.71	-18.50	0.00	-1227.8	0.00	1227.83	3797.62	1898.81	7128.55	3569.57	9.58	-1.475	0.000	0.349
64.00	-18.26	-18.22	0.00	-1190.8	0.00	1190.84	3770.96	1885.48	7004.58	3507.49	10.21	-1.523	0.000	0.344
65.00	-18.03	-18.09	0.00	-1172.6	0.00	1172.61	3757.53	1878.76	6942.80	3476.56	10.53	-1.547	0.000	0.342
66.00	-17.62	-17.95	0.00	-1154.5	0.00	1154.53	3744.03	1872.02	6881.16	3445.70	10.85	-1.571	0.000	0.340
68.00	-16.81	-17.67	0.00	-1118.6	0.00	1118.63	3716.84	1858.42	6758.32	3384.18	11.52	-1.619	0.000	0.335
70.00	-16.01	-17.38	0.00	-1083.3	0.00	1083.30	3689.38	1844.69	6636.06	3322.96	12.21	-1.667	0.000	0.330
71.00	-15.61	-17.24	0.00	-1065.9	0.00	1065.92	2902.90	1451.45	5283.02	2645.43	12.56	-1.691	0.000	0.408
72.00	-15.42	-17.11	0.00	-1048.6	0.00	1048.68	2893.55	1446.77	5237.63	2622.71	12.92	-1.715	0.000	0.405
74.00	-15.06	-16.84	0.00	-1014.4	0.00	1014.47	2874.64	1437.32	5147.04	2577.35	13.65	-1.770	0.000	0.399
76.00	-14.69	-16.57	0.00	-980.80	0.00	980.80	2855.47	1427.73	5056.73	2532.12	14.41	-1.825	0.000	0.393
78.00	-14.33	-16.30	0.00	-947.65	0.00	947.65	2836.03	1418.01	4966.70	2487.04	15.18	-1.880	0.000	0.386
80.00	-13.98	-16.04	0.00	-915.05	0.00	915.05	2816.32	1408.16	4876.98	2442.11	15.98	-1.935	0.000	0.380
82.00	-13.63	-15.77	0.00	-882.97	0.00	882.97	2796.35	1398.18	4787.57	2397.34	16.80	-1.989	0.000	0.373
84.00	-13.28	-15.51	0.00	-851.42	0.00	851.42	2776.12	1388.06	4698.50	2352.74	17.65	-2.044	0.000	0.367
86.00	-12.94	-15.25	0.00	-820.40	0.00	820.40	2755.61	1377.81	4609.77	2308.31	18.52	-2.098	0.000	0.360
88.00	-12.60	-14.99	0.00	-789.91	0.00	789.91	2734.85	1367.42	4521.42	2264.07	19.41	-2.152	0.000	0.354

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (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



90.00	-12.27	-14.73	0.00	-759.94	0.00	759.94	2713.81	1356.91	4433.44	2220.01	20.32	-2.206	0.000	0.347
92.00	-11.94	-14.47	0.00	-730.48	0.00	730.48	2692.52	1346.26	4345.86	2176.16	21.26	-2.260	0.000	0.340
94.00	-11.62	-14.21	0.00	-701.54	0.00	701.54	2670.95	1335.48	4258.69	2132.51	22.22	-2.314	0.000	0.333
96.00	-11.30	-13.96	0.00	-673.12	0.00	673.12	2649.12	1324.56	4171.94	2089.07	23.20	-2.367	0.000	0.327
98.00	-10.98	-13.70	0.00	-645.21	0.00	645.21	2627.03	1313.51	4085.64	2045.86	24.20	-2.420	0.000	0.320
100.00	-10.67	-13.45	0.00	-617.81	0.00	617.81	2604.67	1302.33	3999.80	2002.87	25.23	-2.473	0.000	0.313
102.00	-10.36	-13.20	0.00	-590.91	0.00	590.91	2582.04	1291.02	3914.44	1960.13	26.27	-2.526	0.000	0.306
104.00	-10.06	-12.95	0.00	-564.51	0.00	564.51	2559.15	1279.57	3829.56	1917.63	27.34	-2.578	0.000	0.298
106.00	-9.76	-12.70	0.00	-538.61	0.00	538.61	2535.99	1268.00	3745.19	1875.38	28.43	-2.630	0.000	0.291
108.00	-9.47	-12.46	0.00	-513.21	0.00	513.21	2512.57	1256.28	3661.34	1833.39	29.55	-2.681	0.000	0.284
110.00	-9.18	-12.21	0.00	-488.29	0.00	488.29	2488.88	1244.44	3578.02	1791.67	30.68	-2.732	0.000	0.276
112.00	-8.66	-11.96	0.00	-463.87	0.00	463.87	2464.93	1232.46	3495.26	1750.23	31.83	-2.782	0.000	0.269
114.00	-8.16	-11.70	0.00	-439.96	0.00	439.96	2440.71	1220.35	3413.07	1709.07	33.01	-2.832	0.000	0.261
115.00	-7.91	-11.57	0.00	-428.26	0.00	428.26	1825.70	912.85	2582.32	1293.08	33.61	-2.857	0.000	0.336
116.00	-7.79	-11.46	0.00	-416.68	0.00	416.68	1817.93	908.96	2553.51	1278.65	34.21	-2.882	0.000	0.330
118.00	-7.57	-11.22	0.00	-393.77	0.00	393.77	1802.18	901.09	2496.07	1249.89	35.43	-2.939	0.000	0.319
120.00	-7.35	-10.99	0.00	-371.33	0.00	371.33	1786.18	893.09	2438.88	1221.25	36.67	-2.996	0.000	0.308
122.00	-7.13	-10.75	0.00	-349.36	0.00	349.36	1769.90	884.95	2381.96	1192.75	37.94	-3.052	0.000	0.297
124.00	-6.92	-10.52	0.00	-327.85	0.00	327.85	1753.37	876.68	2325.32	1164.39	39.23	-3.106	0.000	0.286
126.00	-6.71	-10.30	0.00	-306.80	0.00	306.80	1736.56	868.28	2268.99	1136.18	40.54	-3.160	0.000	0.274
128.00	-6.50	-10.07	0.00	-286.21	0.00	286.21	1719.49	859.75	2212.98	1108.13	41.87	-3.212	0.000	0.262
130.00	-6.30	-9.85	0.00	-266.07	0.00	266.07	1702.16	851.08	2157.30	1080.25	43.23	-3.263	0.000	0.250
132.00	-6.10	-9.63	0.00	-246.38	0.00	246.38	1684.56	842.28	2101.96	1052.54	44.61	-3.313	0.000	0.238
134.00	-5.90	-9.41	0.00	-227.12	0.00	227.12	1666.69	833.34	2046.99	1025.02	46.00	-3.361	0.000	0.225
136.00	-5.71	-9.19	0.00	-208.31	0.00	208.31	1648.56	824.28	1992.41	997.68	47.42	-3.407	0.000	0.212
138.00	-5.52	-8.98	0.00	-189.93	0.00	189.93	1630.16	815.08	1938.21	970.55	48.86	-3.451	0.000	0.199
140.00	-5.34	-8.77	0.00	-171.97	0.00	171.97	1611.50	805.75	1884.43	943.61	50.31	-3.494	0.000	0.186
142.00	-5.16	-8.56	0.00	-154.44	0.00	154.44	1592.57	796.28	1831.07	916.90	51.78	-3.534	0.000	0.172
144.00	-4.98	-8.35	0.00	-137.33	0.00	137.33	1573.37	786.69	1778.16	890.40	53.27	-3.571	0.000	0.158
146.00	-4.80	-8.15	0.00	-120.63	0.00	120.63	1553.92	776.96	1725.70	864.13	54.78	-3.607	0.000	0.143
148.00	-4.63	-7.94	0.00	-104.34	0.00	104.34	1534.19	767.09	1673.72	838.10	56.29	-3.639	0.000	0.128
150.00	-4.46	-7.74	0.00	-88.45	0.00	88.45	1514.20	757.10	1622.22	812.32	57.82	-3.668	0.000	0.112
152.00	-4.30	-7.55	0.00	-72.96	0.00	72.96	1493.94	746.97	1571.23	786.78	59.36	-3.694	0.000	0.096
154.00	-4.14	-7.35	0.00	-57.87	0.00	57.87	1473.42	736.71	1520.76	761.51	60.92	-3.716	0.000	0.079
156.00	-3.98	-7.16	0.00	-43.16	0.00	43.16	1452.63	726.32	1470.83	736.51	62.48	-3.734	0.000	0.061
158.00	-3.83	-6.98	0.00	-28.83	0.00	28.83	1427.99	714.00	1417.89	710.00	64.04	-3.747	0.000	0.043
160.00	-3.68	-6.79	0.00	-14.88	0.00	14.88	1400.09	700.04	1362.73	682.38	65.61	-3.756	0.000	0.025
160.00	-3.68	-6.79	0.00	-14.88	0.00	14.88	679.01	339.51	662.80	396.70	65.61	-3.756	0.000	0.043
162.00	-0.24	-0.25	0.00	-0.59	0.00	0.59	679.01	339.51	662.80	396.70	67.19	-3.759	0.000	0.002
164.00	-0.08	-0.09	0.00	-0.09	0.00	0.09	679.01	339.51	662.80	396.70	68.76	-3.759	0.000	0.000
165.00	0.00	-0.08	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	69.55	-3.759	0.000	0.000

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

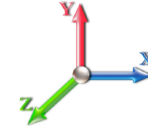
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Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	22.791	25.07	491.49	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	22.791	25.07	487.61	0.650	0.000	2.00	10.114	6.57	263.7	0.0	432.9
4.00		1.00	0.85	22.791	25.07	483.74	0.650	0.000	2.00	10.034	6.52	261.6	0.0	429.5
6.00		1.00	0.85	22.791	25.07	479.86	0.650	0.000	2.00	9.954	6.47	259.5	0.0	426.0
8.00		1.00	0.85	22.791	25.07	475.98	0.650	0.000	2.00	9.874	6.42	257.4	0.0	422.6
10.00		1.00	0.85	22.791	25.07	472.10	0.650	0.000	2.00	9.794	6.37	255.3	0.0	419.1
12.00		1.00	0.85	22.791	25.07	468.22	0.650	0.000	2.00	9.714	6.31	253.3	0.0	415.7
14.00		1.00	0.85	22.791	25.07	464.35	0.650	0.000	2.00	9.633	6.26	251.2	0.0	412.2
16.00		1.00	0.86	23.072	25.38	463.30	0.650	0.000	2.00	9.553	6.21	252.2	0.0	408.8
18.00		1.00	0.88	23.652	26.02	465.13	0.650	0.000	2.00	9.473	6.16	256.3	0.0	405.3
20.00		1.00	0.90	24.182	26.60	466.32	0.650	0.000	2.00	9.393	6.11	259.9	0.0	401.9
21.00	Bot - Section 2	1.00	0.91	24.432	26.87	466.72	0.650	0.000	1.00	4.667	3.03	130.4	0.0	199.6
22.00		1.00	0.92	24.672	27.14	466.99	0.650	0.000	1.00	4.710	3.06	132.9	0.0	400.3
24.00		1.00	0.94	25.128	27.64	467.22	0.650	0.000	2.00	9.360	6.08	269.1	0.0	795.4
26.00		1.00	0.95	25.555	28.11	467.06	0.650	0.000	2.00	9.280	6.03	271.3	0.0	788.5
28.00	Top - Section 1	1.00	0.97	25.957	28.55	466.58	0.650	0.000	2.00	9.200	5.98	273.2	0.0	781.6
30.00		1.00	0.98	26.337	28.97	472.42	0.650	0.000	2.00	9.119	5.93	274.8	0.0	390.1
32.00		1.00	1.00	26.697	29.37	471.44	0.650	0.000	2.00	9.039	5.88	276.1	0.0	386.6
34.00		1.00	1.01	27.040	29.74	470.23	0.650	0.000	2.00	8.959	5.82	277.1	0.0	383.2
36.00		1.00	1.02	27.367	30.10	468.82	0.650	0.000	2.00	8.879	5.77	278.0	0.0	379.7
38.00		1.00	1.03	27.681	30.45	467.22	0.650	0.000	2.00	8.799	5.72	278.6	0.0	376.3
40.00		1.00	1.04	27.981	30.78	465.46	0.650	0.000	2.00	8.719	5.67	279.1	0.0	372.8
42.00		1.00	1.05	28.270	31.10	463.53	0.650	0.000	2.00	8.639	5.62	279.4	0.0	369.4
44.00		1.00	1.06	28.548	31.40	461.47	0.650	0.000	2.00	8.559	5.56	279.5	0.0	365.9
46.00		1.00	1.07	28.817	31.70	459.27	0.650	0.000	2.00	8.478	5.51	279.5	0.0	362.5
48.00		1.00	1.08	29.076	31.98	456.95	0.650	0.000	2.00	8.398	5.46	279.4	0.0	359.0
50.00		1.00	1.09	29.327	32.26	454.52	0.650	0.000	2.00	8.318	5.41	279.1	0.0	355.6
52.00		1.00	1.10	29.570	32.53	451.98	0.650	0.000	2.00	8.238	5.35	278.7	0.0	352.1
54.00		1.00	1.11	29.806	32.79	449.35	0.650	0.000	2.00	8.158	5.30	278.2	0.0	348.7
56.00		1.00	1.12	30.035	33.04	446.62	0.650	0.000	2.00	8.078	5.25	277.6	0.0	345.2
58.00		1.00	1.13	30.258	33.28	443.80	0.650	0.000	2.00	7.998	5.20	276.8	0.0	341.8
60.00		1.00	1.14	30.475	33.52	440.91	0.650	0.000	2.00	7.918	5.15	276.0	0.0	338.3
62.00		1.00	1.14	30.686	33.75	437.93	0.650	0.000	2.00	7.837	5.09	275.1	0.0	334.9
64.00		1.00	1.15	30.892	33.98	434.88	0.650	0.000	2.00	7.757	5.04	274.1	0.0	331.4
65.00	Bot - Section 3	1.00	1.16	30.993	34.09	433.33	0.650	0.000	1.00	3.849	2.50	136.5	0.0	164.4
66.00		1.00	1.16	31.092	34.20	431.76	0.650	0.000	1.00	3.881	2.52	138.1	0.0	301.9
68.00		1.00	1.17	31.288	34.42	428.58	0.650	0.000	2.00	7.703	5.01	275.7	0.0	599.1
70.00		1.00	1.17	31.480	34.63	425.33	0.650	0.000	2.00	7.623	4.95	274.5	0.0	592.8
71.00	Top - Section 2	1.00	1.18	31.574	34.73	423.68	0.650	0.000	1.00	3.781	2.46	136.6	0.0	294.0
72.00		1.00	1.18	31.667	34.83	428.06	0.650	0.000	1.00	3.761	2.44	136.3	0.0	134.1
74.00		1.00	1.19	31.850	35.04	424.71	0.650	0.000	2.00	7.462	4.85	271.9	0.0	266.0
76.00		1.00	1.19	32.030	35.23	421.30	0.650	0.000	2.00	7.382	4.80	270.5	0.0	263.1
78.00		1.00	1.20	32.205	35.43	417.85	0.650	0.000	2.00	7.302	4.75	269.0	0.0	260.2
80.00		1.00	1.21	32.377	35.62	414.34	0.650	0.000	2.00	7.222	4.69	267.5	0.0	257.3
82.00		1.00	1.21	32.546	35.80	410.78	0.650	0.000	2.00	7.142	4.64	265.9	0.0	254.5
84.00		1.00	1.22	32.712	35.98	407.18	0.650	0.000	2.00	7.062	4.59	264.3	0.0	251.6
86.00		1.00	1.23	32.874	36.16	403.53	0.650	0.000	2.00	6.982	4.54	262.6	0.0	248.7

Wind Loading - Shaft

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 16
	Struct Class: II	



88.00	1.00	1.23	33.034	36.34	399.84	0.650	0.000	2.00	6.902	4.49	260.8	0.0	245.8
90.00	1.00	1.24	33.190	36.51	396.11	0.650	0.000	2.00	6.821	4.43	259.0	0.0	243.0
92.00	1.00	1.24	33.344	36.68	392.34	0.650	0.000	2.00	6.741	4.38	257.2	0.0	240.1
94.00	1.00	1.25	33.496	36.85	388.52	0.650	0.000	2.00	6.661	4.33	255.3	0.0	237.2
96.00	1.00	1.25	33.644	37.01	384.67	0.650	0.000	2.00	6.581	4.28	253.3	0.0	234.3
98.00	1.00	1.26	33.791	37.17	380.79	0.650	0.000	2.00	6.501	4.23	251.3	0.0	231.5
100.00	1.00	1.27	33.935	37.33	376.86	0.650	0.000	2.00	6.421	4.17	249.3	0.0	228.6
102.00	1.00	1.27	34.077	37.48	372.91	0.650	0.000	2.00	6.341	4.12	247.2	0.0	225.7
104.00	1.00	1.28	34.216	37.64	368.92	0.650	0.000	2.00	6.261	4.07	245.1	0.0	222.8
106.00	1.00	1.28	34.354	37.79	364.90	0.650	0.000	2.00	6.180	4.02	242.9	0.0	220.0
108.00	1.00	1.29	34.489	37.94	360.85	0.650	0.000	2.00	6.100	3.97	240.7	0.0	217.1
110.00 Bot - Section 4	1.00	1.29	34.623	38.08	356.76	0.650	0.000	2.00	6.020	3.91	238.5	0.0	214.2
112.00	1.00	1.30	34.754	38.23	352.65	0.650	0.000	2.00	6.025	3.92	239.5	0.0	383.1
114.00	1.00	1.30	34.884	38.37	348.51	0.650	0.000	2.00	5.945	3.86	237.2	0.0	378.0
115.00 Top - Section 3	1.00	1.30	34.948	38.44	346.43	0.650	0.000	1.00	2.942	1.91	117.6	0.0	187.0
116.00	1.00	1.31	35.012	38.51	349.42	0.650	0.000	1.00	2.922	1.90	117.0	0.0	83.3
118.00	1.00	1.31	35.138	38.65	345.23	0.650	0.000	2.00	5.784	3.76	232.5	0.0	164.9
120.00	1.00	1.32	35.263	38.79	341.02	0.650	0.000	2.00	5.704	3.71	230.1	0.0	162.6
122.00	1.00	1.32	35.386	38.92	336.78	0.650	0.000	2.00	5.624	3.66	227.7	0.0	160.3
124.00	1.00	1.32	35.507	39.06	332.52	0.650	0.000	2.00	5.544	3.60	225.2	0.0	158.0
126.00	1.00	1.33	35.627	39.19	328.23	0.650	0.000	2.00	5.464	3.55	222.7	0.0	155.7
128.00	1.00	1.33	35.745	39.32	323.92	0.650	0.000	2.00	5.384	3.50	220.2	0.0	153.4
130.00	1.00	1.34	35.862	39.45	319.58	0.650	0.000	2.00	5.304	3.45	217.6	0.0	151.1
132.00	1.00	1.34	35.977	39.58	315.22	0.650	0.000	2.00	5.223	3.40	215.0	0.0	148.8
134.00	1.00	1.35	36.091	39.70	310.84	0.650	0.000	2.00	5.143	3.34	212.4	0.0	146.5
136.00	1.00	1.35	36.204	39.82	306.44	0.650	0.000	2.00	5.063	3.29	209.7	0.0	144.2
138.00	1.00	1.35	36.316	39.95	302.02	0.650	0.000	2.00	4.983	3.24	207.0	0.0	141.9
140.00	1.00	1.36	36.426	40.07	297.57	0.650	0.000	2.00	4.903	3.19	204.3	0.0	139.6
142.00	1.00	1.36	36.535	40.19	293.11	0.650	0.000	2.00	4.823	3.13	201.6	0.0	137.3
144.00	1.00	1.37	36.642	40.31	288.62	0.650	0.000	2.00	4.743	3.08	198.8	0.0	135.0
146.00	1.00	1.37	36.749	40.42	284.12	0.650	0.000	2.00	4.663	3.03	196.0	0.0	132.7
148.00	1.00	1.37	36.854	40.54	279.59	0.650	0.000	2.00	4.583	2.98	193.2	0.0	130.4
150.00	1.00	1.38	36.959	40.65	275.05	0.650	0.000	2.00	4.502	2.93	190.4	0.0	128.1
152.00	1.00	1.38	37.062	40.77	270.49	0.650	0.000	2.00	4.422	2.87	187.5	0.0	125.8
154.00	1.00	1.39	37.164	40.88	265.91	0.650	0.000	2.00	4.342	2.82	184.6	0.0	123.5
156.00	1.00	1.39	37.265	40.99	261.31	0.650	0.000	2.00	4.262	2.77	181.7	0.0	121.2
158.00	1.00	1.39	37.365	41.10	256.69	0.650	0.000	2.00	4.182	2.72	178.8	0.0	118.9
160.00 Top - Section 4	1.00	1.40	37.464	41.21	252.06	0.650	0.000	2.00	4.102	2.67	175.8	0.0	116.6
162.00 Appurtenance(s)	1.00	1.40	37.562	41.32	248.56	0.600	0.000	2.00	4.000	2.40	158.7	0.0	128.4
164.00	1.00	1.40	37.660	41.43	248.88	0.600	0.000	2.00	4.000	2.40	159.1	0.0	128.4
165.00	1.00	1.41	37.708	41.48	249.04	0.600	0.000	1.00	2.000	1.20	79.6	0.0	64.2
Totals:								165.00			20,235.6		24,729.8

Discrete Appurtenance Forces

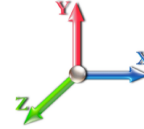
Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021	
Site Name: Ledyard South	Exposure: C		
Height: 165.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 17



Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	162.00	MX06FRO660-03	6	37.562	41.319	0.70	0.80	41.22	248.40	0.000	0.000	2724.86	0.00	0.00
2	162.00	VZS01	3	37.635	41.399	0.55	0.80	7.12	235.17	0.000	1.500	471.67	0.00	707.50
3	162.00	B2/B66A RRH-BR049	3	37.562	41.319	0.40	0.80	2.24	227.88	0.000	0.000	148.35	0.00	0.00
4	162.00	B5/B13 RRH-BR04C	3	37.562	41.319	0.40	0.80	2.24	189.81	0.000	0.000	148.35	0.00	0.00
5	162.00	FE-16148-OVP-B12	1	37.562	41.319	0.40	0.80	1.92	17.01	0.000	0.000	126.93	0.00	0.00
6	162.00	RMQP-463 (LPP)	1	37.562	41.319	0.00	1.00	24.80	1800.00	0.000	0.000	1639.52	0.00	0.00
7	162.00	BXA-70063-6CF-EDIN-5	3	37.562	41.319	0.58	0.80	13.26	45.90	0.000	0.000	876.79	0.00	0.00
Totals:									2,764.17			6,136.47		

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

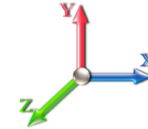


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Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		263.71	436.90	0.00	0.00
4.00		261.62	433.45	0.00	0.00
6.00		259.53	430.00	0.00	0.00
8.00		257.44	426.55	0.00	0.00
10.00		255.35	423.10	0.00	0.00
12.00		253.26	419.64	0.00	0.00
14.00		251.17	416.19	0.00	0.00
16.00		252.16	412.74	0.00	0.00
18.00		256.32	409.29	0.00	0.00
20.00		259.85	405.84	0.00	0.00
21.00		130.43	201.63	0.00	0.00
22.00		132.94	402.28	0.00	0.00
24.00		269.06	799.38	0.00	0.00
26.00		271.29	792.48	0.00	0.00
28.00		273.18	785.58	0.00	0.00
30.00		274.76	394.05	0.00	0.00
32.00		276.07	390.60	0.00	0.00
34.00		277.14	387.15	0.00	0.00
36.00		277.99	383.70	0.00	0.00
38.00		278.63	380.24	0.00	0.00
40.00		279.09	376.79	0.00	0.00
42.00		279.38	373.34	0.00	0.00
44.00		279.52	369.89	0.00	0.00
46.00		279.50	366.44	0.00	0.00
48.00		279.35	362.99	0.00	0.00
50.00		279.08	359.54	0.00	0.00
52.00		278.68	356.08	0.00	0.00
54.00		278.17	352.63	0.00	0.00
56.00		277.56	349.18	0.00	0.00
58.00		276.84	345.73	0.00	0.00
60.00		276.03	342.28	0.00	0.00
62.00		275.13	338.83	0.00	0.00
64.00		274.14	335.38	0.00	0.00
65.00		136.45	166.39	0.00	0.00
66.00		138.06	303.91	0.00	0.00
68.00		275.71	603.08	0.00	0.00
70.00		274.52	596.75	0.00	0.00
71.00		136.58	296.00	0.00	0.00
72.00		136.26	136.05	0.00	0.00
74.00		271.91	269.94	0.00	0.00
76.00		270.50	267.06	0.00	0.00
78.00		269.03	264.18	0.00	0.00
80.00		267.50	261.31	0.00	0.00
82.00		265.92	258.43	0.00	0.00
84.00		264.27	255.56	0.00	0.00
86.00		262.57	252.68	0.00	0.00

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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88.00	260.82	249.80	0.00	0.00
90.00	259.01	246.93	0.00	0.00
92.00	257.15	244.05	0.00	0.00
94.00	255.25	241.18	0.00	0.00
96.00	253.30	238.30	0.00	0.00
98.00	251.31	235.42	0.00	0.00
100.00	249.27	232.55	0.00	0.00
102.00	247.18	229.67	0.00	0.00
104.00	245.06	226.79	0.00	0.00
106.00	242.90	223.92	0.00	0.00
108.00	240.69	221.04	0.00	0.00
110.00	238.45	218.17	0.00	0.00
112.00	239.54	387.09	0.00	0.00
114.00	237.23	381.91	0.00	0.00
115.00	117.63	189.01	0.00	0.00
116.00	117.05	85.29	0.00	0.00
118.00	232.52	168.85	0.00	0.00
120.00	230.11	166.55	0.00	0.00
122.00	227.67	164.25	0.00	0.00
124.00	225.20	161.95	0.00	0.00
126.00	222.69	159.65	0.00	0.00
128.00	220.15	157.35	0.00	0.00
130.00	217.59	155.05	0.00	0.00
132.00	214.99	152.75	0.00	0.00
134.00	212.36	150.45	0.00	0.00
136.00	209.71	148.15	0.00	0.00
138.00	207.02	145.85	0.00	0.00
140.00	204.31	143.54	0.00	0.00
142.00	201.58	141.24	0.00	0.00
144.00	198.81	138.94	0.00	0.00
146.00	196.02	136.64	0.00	0.00
148.00	193.21	134.34	0.00	0.00
150.00	190.36	132.04	0.00	0.00
152.00	187.50	129.74	0.00	0.00
154.00	184.61	127.44	0.00	0.00
156.00	181.70	125.14	0.00	0.00
158.00	178.76	122.84	0.00	0.00
160.00	175.80	120.54	0.00	0.00
162.00	(20) attachments 6295.14	2896.49	0.00	707.50
164.00		128.36	0.00	0.00
165.00		79.64	0.00	0.00
Totals:		26,372.04	27,814.68	0.00
				707.50

Calculated Forces

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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Load Case: 0.9D + 1.6W 105 mph Wind

Iterations 27

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	-27.80	-26.38	0.00	-2619.6	0.00	2619.63	4463.02	2231.51	10951.4	5483.88	0.00	0.000	0.000	0.484
2.00	-27.35	-26.14	0.00	-2566.8	0.00	2566.87	4444.18	2222.09	10818.1	5417.09	0.01	-0.046	0.000	0.480
4.00	-26.89	-25.90	0.00	-2514.5	0.00	2514.59	4425.06	2212.53	10684.8	5350.35	0.04	-0.093	0.000	0.476
6.00	-26.44	-25.66	0.00	-2462.7	0.00	2462.79	4405.68	2202.84	10551.6	5283.67	0.09	-0.139	0.000	0.472
8.00	-25.99	-25.42	0.00	-2411.4	0.00	2411.46	4386.04	2193.02	10418.6	5217.05	0.16	-0.186	0.000	0.468
10.00	-25.55	-25.19	0.00	-2360.6	0.00	2360.62	4366.13	2183.07	10285.7	5150.50	0.25	-0.233	0.000	0.464
12.00	-25.11	-24.95	0.00	-2310.2	0.00	2310.24	4345.95	2172.98	10152.9	5084.04	0.35	-0.280	0.000	0.460
14.00	-24.68	-24.72	0.00	-2260.3	0.00	2260.33	4325.51	2162.76	10020.4	5017.66	0.48	-0.327	0.000	0.456
16.00	-24.25	-24.49	0.00	-2210.8	0.00	2210.89	4304.81	2152.40	9888.06	4951.38	0.63	-0.375	0.000	0.452
18.00	-23.82	-24.25	0.00	-2161.9	0.00	2161.92	4283.84	2141.92	9755.90	4885.20	0.80	-0.422	0.000	0.448
20.00	-23.40	-24.00	0.00	-2113.4	0.00	2113.43	4262.60	2131.30	9623.96	4819.13	0.99	-0.470	0.000	0.444
21.00	-23.19	-23.88	0.00	-2089.4	0.00	2089.43	4251.88	2125.94	9558.08	4786.14	1.09	-0.494	0.000	0.442
22.00	-22.77	-23.75	0.00	-2065.5	0.00	2065.55	4241.09	2120.55	9492.26	4753.19	1.19	-0.518	0.000	0.440
24.00	-21.96	-23.50	0.00	-2018.0	0.00	2018.05	4219.33	2109.66	9360.82	4687.37	1.42	-0.566	0.000	0.436
26.00	-21.15	-23.23	0.00	-1971.0	0.00	1971.05	4197.29	2098.65	9229.64	4621.68	1.67	-0.614	0.000	0.432
28.00	-20.35	-22.97	0.00	-1924.5	0.00	1924.59	4210.19	2105.10	9306.23	4660.03	1.94	-0.662	0.000	0.418
30.00	-19.94	-22.71	0.00	-1878.6	0.00	1878.65	4188.05	2094.02	9175.18	4594.41	2.22	-0.711	0.000	0.414
32.00	-19.53	-22.44	0.00	-1833.2	0.00	1833.24	4165.64	2082.82	9044.41	4528.93	2.53	-0.757	0.000	0.410
34.00	-19.13	-22.17	0.00	-1788.3	0.00	1788.36	4142.96	2071.48	8913.95	4463.60	2.86	-0.804	0.000	0.405
36.00	-18.73	-21.91	0.00	-1744.0	0.00	1744.01	4120.02	2060.01	8783.81	4398.44	3.21	-0.850	0.000	0.401
38.00	-18.34	-21.64	0.00	-1700.2	0.00	1700.20	4096.81	2048.41	8654.02	4333.44	3.57	-0.897	0.000	0.397
40.00	-17.95	-21.37	0.00	-1656.9	0.00	1656.92	4073.34	2036.67	8524.57	4268.62	3.96	-0.944	0.000	0.393
42.00	-17.56	-21.09	0.00	-1614.1	0.00	1614.19	4049.60	2024.80	8395.50	4203.99	4.37	-0.991	0.000	0.388
44.00	-17.18	-20.82	0.00	-1572.0	0.00	1572.00	4025.60	2012.80	8266.81	4139.55	4.79	-1.038	0.000	0.384
46.00	-16.80	-20.55	0.00	-1530.3	0.00	1530.36	4001.33	2000.67	8138.53	4075.31	5.24	-1.085	0.000	0.380
48.00	-16.43	-20.28	0.00	-1489.2	0.00	1489.26	3976.80	1988.40	8010.66	4011.28	5.70	-1.132	0.000	0.376
50.00	-16.06	-20.00	0.00	-1448.7	0.00	1448.70	3952.00	1976.00	7883.22	3947.47	6.19	-1.179	0.000	0.371
52.00	-15.69	-19.73	0.00	-1408.6	0.00	1408.69	3926.93	1963.46	7756.23	3883.88	6.69	-1.226	0.000	0.367
54.00	-15.33	-19.46	0.00	-1369.2	0.00	1369.23	3901.60	1950.80	7629.71	3820.52	7.21	-1.274	0.000	0.362
56.00	-14.97	-19.19	0.00	-1330.3	0.00	1330.31	3876.00	1938.00	7503.66	3757.41	7.76	-1.321	0.000	0.358
58.00	-14.62	-18.91	0.00	-1291.9	0.00	1291.94	3850.14	1925.07	7378.11	3694.54	8.32	-1.369	0.000	0.354
60.00	-14.26	-18.64	0.00	-1254.1	0.00	1254.12	3824.01	1912.00	7253.07	3631.92	8.91	-1.416	0.000	0.349
62.00	-13.92	-18.37	0.00	-1216.8	0.00	1216.84	3797.62	1898.81	7128.55	3569.57	9.51	-1.464	0.000	0.345
64.00	-13.58	-18.09	0.00	-1180.1	0.00	1180.10	3770.96	1885.48	7004.58	3507.49	10.13	-1.511	0.000	0.340
65.00	-13.41	-17.96	0.00	-1162.0	0.00	1162.01	3757.53	1878.76	6942.80	3476.56	10.45	-1.535	0.000	0.338
66.00	-13.10	-17.82	0.00	-1144.0	0.00	1144.05	3744.03	1872.02	6881.16	3445.70	10.78	-1.559	0.000	0.336
68.00	-12.49	-17.54	0.00	-1108.4	0.00	1108.41	3716.84	1858.42	6758.32	3384.18	11.44	-1.606	0.000	0.331
70.00	-11.89	-17.25	0.00	-1073.3	0.00	1073.33	3689.38	1844.69	6636.06	3322.96	12.12	-1.654	0.000	0.326
71.00	-11.59	-17.11	0.00	-1056.0	0.00	1056.07	2902.90	1451.45	5283.02	2645.43	12.47	-1.678	0.000	0.403
72.00	-11.44	-16.98	0.00	-1038.9	0.00	1038.96	2893.55	1446.77	5237.63	2622.71	12.83	-1.702	0.000	0.400
74.00	-11.17	-16.71	0.00	-1005.0	0.00	1005.00	2874.64	1437.32	5147.04	2577.35	13.55	-1.756	0.000	0.394
76.00	-10.89	-16.44	0.00	-971.57	0.00	971.57	2855.47	1427.73	5056.73	2532.12	14.30	-1.811	0.000	0.388
78.00	-10.62	-16.18	0.00	-938.68	0.00	938.68	2836.03	1418.01	4966.70	2487.04	15.07	-1.865	0.000	0.381
80.00	-10.36	-15.91	0.00	-906.33	0.00	906.33	2816.32	1408.16	4876.98	2442.11	15.86	-1.919	0.000	0.375
82.00	-10.09	-15.65	0.00	-874.51	0.00	874.51	2796.35	1398.18	4787.57	2397.34	16.68	-1.973	0.000	0.369
84.00	-9.83	-15.38	0.00	-843.21	0.00	843.21	2776.12	1388.06	4698.50	2352.74	17.52	-2.027	0.000	0.362
86.00	-9.57	-15.12	0.00	-812.45	0.00	812.45	2755.61	1377.81	4609.77	2308.31	18.38	-2.081	0.000	0.356
88.00	-9.32	-14.86	0.00	-782.21	0.00	782.21	2734.85	1367.42	4521.42	2264.07	19.26	-2.135	0.000	0.349

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (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



90.00	-9.07	-14.60	0.00	-752.49	0.00	752.49	2713.81	1356.91	4433.44	2220.01	20.17	-2.188	0.000	0.342
92.00	-8.82	-14.34	0.00	-723.29	0.00	723.29	2692.52	1346.26	4345.86	2176.16	21.10	-2.242	0.000	0.336
94.00	-8.58	-14.08	0.00	-694.61	0.00	694.61	2670.95	1335.48	4258.69	2132.51	22.05	-2.295	0.000	0.329
96.00	-8.34	-13.83	0.00	-666.45	0.00	666.45	2649.12	1324.56	4171.94	2089.07	23.02	-2.348	0.000	0.322
98.00	-8.10	-13.58	0.00	-638.79	0.00	638.79	2627.03	1313.51	4085.64	2045.86	24.01	-2.400	0.000	0.315
100.00	-7.87	-13.32	0.00	-611.64	0.00	611.64	2604.67	1302.33	3999.80	2002.87	25.03	-2.452	0.000	0.309
102.00	-7.64	-13.07	0.00	-584.99	0.00	584.99	2582.04	1291.02	3914.44	1960.13	26.07	-2.504	0.000	0.302
104.00	-7.41	-12.83	0.00	-558.84	0.00	558.84	2559.15	1279.57	3829.56	1917.63	27.13	-2.556	0.000	0.294
106.00	-7.18	-12.58	0.00	-533.19	0.00	533.19	2535.99	1268.00	3745.19	1875.38	28.21	-2.607	0.000	0.287
108.00	-6.96	-12.34	0.00	-508.03	0.00	508.03	2512.57	1256.28	3661.34	1833.39	29.31	-2.658	0.000	0.280
110.00	-6.75	-12.09	0.00	-483.36	0.00	483.36	2488.88	1244.44	3578.02	1791.67	30.44	-2.708	0.000	0.273
112.00	-6.36	-11.84	0.00	-459.17	0.00	459.17	2464.93	1232.46	3495.26	1750.23	31.58	-2.758	0.000	0.265
114.00	-5.98	-11.59	0.00	-435.49	0.00	435.49	2440.71	1220.35	3413.07	1709.07	32.75	-2.807	0.000	0.257
115.00	-5.80	-11.46	0.00	-423.90	0.00	423.90	1825.70	912.85	2582.32	1293.08	33.34	-2.832	0.000	0.331
116.00	-5.71	-11.35	0.00	-412.44	0.00	412.44	1817.93	908.96	2553.51	1278.65	33.93	-2.857	0.000	0.326
118.00	-5.54	-11.11	0.00	-389.75	0.00	389.75	1802.18	901.09	2496.07	1249.89	35.14	-2.914	0.000	0.315
120.00	-5.38	-10.88	0.00	-367.52	0.00	367.52	1786.18	893.09	2438.88	1221.25	36.38	-2.970	0.000	0.304
122.00	-5.21	-10.65	0.00	-345.76	0.00	345.76	1769.90	884.95	2381.96	1192.75	37.63	-3.025	0.000	0.293
124.00	-5.05	-10.42	0.00	-324.47	0.00	324.47	1753.37	876.68	2325.32	1164.39	38.91	-3.079	0.000	0.282
126.00	-4.90	-10.19	0.00	-303.63	0.00	303.63	1736.56	868.28	2268.99	1136.18	40.21	-3.132	0.000	0.270
128.00	-4.74	-9.97	0.00	-283.24	0.00	283.24	1719.49	859.75	2212.98	1108.13	41.53	-3.184	0.000	0.258
130.00	-4.59	-9.75	0.00	-263.30	0.00	263.30	1702.16	851.08	2157.30	1080.25	42.88	-3.235	0.000	0.247
132.00	-4.44	-9.53	0.00	-243.81	0.00	243.81	1684.56	842.28	2101.96	1052.54	44.24	-3.284	0.000	0.234
134.00	-4.30	-9.31	0.00	-224.76	0.00	224.76	1666.69	833.34	2046.99	1025.02	45.63	-3.331	0.000	0.222
136.00	-4.16	-9.10	0.00	-206.14	0.00	206.14	1648.56	824.28	1992.41	997.68	47.03	-3.377	0.000	0.209
138.00	-4.02	-8.88	0.00	-187.95	0.00	187.95	1630.16	815.08	1938.21	970.55	48.46	-3.421	0.000	0.196
140.00	-3.88	-8.67	0.00	-170.18	0.00	170.18	1611.50	805.75	1884.43	943.61	49.90	-3.462	0.000	0.183
142.00	-3.74	-8.47	0.00	-152.83	0.00	152.83	1592.57	796.28	1831.07	916.90	51.36	-3.502	0.000	0.169
144.00	-3.61	-8.26	0.00	-135.90	0.00	135.90	1573.37	786.69	1778.16	890.40	52.83	-3.539	0.000	0.155
146.00	-3.48	-8.06	0.00	-119.38	0.00	119.38	1553.92	776.96	1725.70	864.13	54.32	-3.574	0.000	0.140
148.00	-3.36	-7.86	0.00	-103.26	0.00	103.26	1534.19	767.09	1673.72	838.10	55.83	-3.606	0.000	0.125
150.00	-3.23	-7.66	0.00	-87.54	0.00	87.54	1514.20	757.10	1622.22	812.32	57.34	-3.635	0.000	0.110
152.00	-3.11	-7.47	0.00	-72.21	0.00	72.21	1493.94	746.97	1571.23	786.78	58.87	-3.660	0.000	0.094
154.00	-3.00	-7.28	0.00	-57.27	0.00	57.27	1473.42	736.71	1520.76	761.51	60.41	-3.682	0.000	0.077
156.00	-2.88	-7.09	0.00	-42.72	0.00	42.72	1452.63	726.32	1470.83	736.51	61.95	-3.700	0.000	0.060
158.00	-2.77	-6.90	0.00	-28.54	0.00	28.54	1427.99	714.00	1417.89	710.00	63.50	-3.713	0.000	0.042
160.00	-2.66	-6.72	0.00	-14.73	0.00	14.73	1400.09	700.04	1362.73	682.38	65.06	-3.722	0.000	0.024
160.00	-2.66	-6.72	0.00	-14.73	0.00	14.73	679.01	339.51	662.80	396.70	65.06	-3.722	0.000	0.041
162.00	-0.18	-0.25	0.00	-0.58	0.00	0.58	679.01	339.51	662.80	396.70	66.62	-3.725	0.000	0.002
164.00	-0.06	-0.08	0.00	-0.08	0.00	0.08	679.01	339.51	662.80	396.70	68.18	-3.725	0.000	0.000
165.00	0.00	-0.08	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	68.96	-3.725	0.000	0.000

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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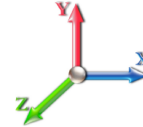


Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 26

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
2.00		1.00	0.85	5.168	5.68	0.00	1.200	1.133	2.00	10.492	12.59	71.6	170.5	747.8
4.00		1.00	0.85	5.168	5.68	0.00	1.200	1.215	2.00	10.439	12.53	71.2	181.6	754.2
6.00		1.00	0.85	5.168	5.68	0.00	1.200	1.265	2.00	10.376	12.45	70.8	187.8	755.8
8.00		1.00	0.85	5.168	5.68	0.00	1.200	1.302	2.00	10.308	12.37	70.3	191.8	755.3
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	2.00	10.237	12.28	69.8	194.7	753.5
12.00		1.00	0.85	5.168	5.68	0.00	1.200	1.356	2.00	10.165	12.20	69.3	196.8	751.0
14.00		1.00	0.85	5.168	5.68	0.00	1.200	1.377	2.00	10.092	12.11	68.8	198.3	747.9
16.00		1.00	0.86	5.232	5.76	0.00	1.200	1.395	2.00	10.018	12.02	69.2	199.4	744.4
18.00		1.00	0.88	5.363	5.90	0.00	1.200	1.412	2.00	9.944	11.93	70.4	200.1	740.6
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	2.00	9.869	11.84	71.4	200.6	736.5
21.00	Bot - Section 2	1.00	0.91	5.540	6.09	0.00	1.200	1.434	1.00	4.905	5.89	35.9	100.4	366.6
22.00		1.00	0.92	5.595	6.15	0.00	1.200	1.440	1.00	4.950	5.94	36.6	101.8	635.5
24.00		1.00	0.94	5.698	6.27	0.00	1.200	1.453	2.00	9.844	11.81	74.0	203.7	1264.2
26.00		1.00	0.95	5.795	6.37	0.00	1.200	1.465	2.00	9.768	11.72	74.7	203.6	1255.0
28.00	Top - Section 1	1.00	0.97	5.886	6.47	0.00	1.200	1.476	2.00	9.691	11.63	75.3	203.5	1245.6
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	2.00	9.615	11.54	75.8	203.2	723.3
32.00		1.00	1.00	6.054	6.66	0.00	1.200	1.495	2.00	9.538	11.45	76.2	202.8	718.3
34.00		1.00	1.01	6.132	6.74	0.00	1.200	1.504	2.00	9.461	11.35	76.6	202.3	713.2
36.00		1.00	1.02	6.206	6.83	0.00	1.200	1.513	2.00	9.383	11.26	76.9	201.7	708.0
38.00		1.00	1.03	6.277	6.90	0.00	1.200	1.521	2.00	9.306	11.17	77.1	201.0	702.7
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	2.00	9.228	11.07	77.3	200.3	697.4
42.00		1.00	1.05	6.410	7.05	0.00	1.200	1.537	2.00	9.151	10.98	77.4	199.5	692.0
44.00		1.00	1.06	6.474	7.12	0.00	1.200	1.544	2.00	9.073	10.89	77.5	198.6	686.5
46.00		1.00	1.07	6.534	7.19	0.00	1.200	1.551	2.00	8.995	10.79	77.6	197.7	681.0
48.00		1.00	1.08	6.593	7.25	0.00	1.200	1.557	2.00	8.917	10.70	77.6	196.8	675.5
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	2.00	8.839	10.61	77.6	195.7	669.8
52.00		1.00	1.10	6.705	7.38	0.00	1.200	1.570	2.00	8.761	10.51	77.5	194.7	664.2
54.00		1.00	1.11	6.759	7.43	0.00	1.200	1.576	2.00	8.683	10.42	77.5	193.6	658.5
56.00		1.00	1.12	6.811	7.49	0.00	1.200	1.581	2.00	8.605	10.33	77.4	192.5	652.8
58.00		1.00	1.13	6.861	7.55	0.00	1.200	1.587	2.00	8.527	10.23	77.2	191.3	647.0
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	2.00	8.448	10.14	77.1	190.1	641.2
62.00		1.00	1.14	6.958	7.65	0.00	1.200	1.598	2.00	8.370	10.04	76.9	188.9	635.4
64.00		1.00	1.15	7.005	7.71	0.00	1.200	1.603	2.00	8.292	9.95	76.7	187.6	629.5
65.00	Bot - Section 3	1.00	1.16	7.028	7.73	0.00	1.200	1.605	1.00	4.116	4.94	38.2	93.5	312.7
66.00		1.00	1.16	7.050	7.76	0.00	1.200	1.608	1.00	4.149	4.98	38.6	94.4	497.0
68.00		1.00	1.17	7.095	7.80	0.00	1.200	1.612	2.00	8.240	9.89	77.2	187.5	986.3
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	2.00	8.162	9.79	76.9	186.2	976.6
71.00	Top - Section 2	1.00	1.18	7.160	7.88	0.00	1.200	1.619	1.00	4.051	4.86	38.3	92.7	484.8
72.00		1.00	1.18	7.181	7.90	0.00	1.200	1.622	1.00	4.032	4.84	38.2	92.4	271.2
74.00		1.00	1.19	7.222	7.94	0.00	1.200	1.626	2.00	8.005	9.61	76.3	183.4	538.1
76.00		1.00	1.19	7.263	7.99	0.00	1.200	1.631	2.00	7.926	9.51	76.0	182.0	532.8
78.00		1.00	1.20	7.303	8.03	0.00	1.200	1.635	2.00	7.847	9.42	75.6	180.6	527.5
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	2.00	7.768	9.32	75.3	179.1	522.3
82.00		1.00	1.21	7.380	8.12	0.00	1.200	1.643	2.00	7.690	9.23	74.9	177.7	517.0
84.00		1.00	1.22	7.418	8.16	0.00	1.200	1.647	2.00	7.611	9.13	74.5	176.2	511.6
86.00		1.00	1.23	7.454	8.20	0.00	1.200	1.651	2.00	7.532	9.04	74.1	174.7	506.3

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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88.00	1.00	1.23	7.491	8.24	0.00	1.200	1.655	2.00	7.453	8.94	73.7	173.1	500.9
90.00	1.00	1.24	7.526	8.28	0.00	1.200	1.658	2.00	7.374	8.85	73.3	171.6	495.5
92.00	1.00	1.24	7.561	8.32	0.00	1.200	1.662	2.00	7.295	8.75	72.8	170.0	490.2
94.00	1.00	1.25	7.595	8.35	0.00	1.200	1.666	2.00	7.216	8.66	72.4	168.5	484.7
96.00	1.00	1.25	7.629	8.39	0.00	1.200	1.669	2.00	7.137	8.56	71.9	166.9	479.3
98.00	1.00	1.26	7.662	8.43	0.00	1.200	1.672	2.00	7.058	8.47	71.4	165.3	473.9
100.00	1.00	1.27	7.695	8.46	0.00	1.200	1.676	2.00	6.979	8.38	70.9	163.6	468.4
102.00	1.00	1.27	7.727	8.50	0.00	1.200	1.679	2.00	6.900	8.28	70.4	162.0	462.9
104.00	1.00	1.28	7.759	8.53	0.00	1.200	1.682	2.00	6.821	8.19	69.9	160.4	457.5
106.00	1.00	1.28	7.790	8.57	0.00	1.200	1.686	2.00	6.742	8.09	69.3	158.7	452.0
108.00	1.00	1.29	7.821	8.60	0.00	1.200	1.689	2.00	6.663	8.00	68.8	157.0	446.5
110.00 Bot - Section 4	1.00	1.29	7.851	8.64	0.00	1.200	1.692	2.00	6.584	7.90	68.2	155.3	440.9
112.00	1.00	1.30	7.881	8.67	0.00	1.200	1.695	2.00	6.590	7.91	68.6	155.7	666.6
114.00	1.00	1.30	7.910	8.70	0.00	1.200	1.698	2.00	6.511	7.81	68.0	154.0	658.0
115.00 Top - Section 3	1.00	1.30	7.925	8.72	0.00	1.200	1.699	1.00	3.226	3.87	33.7	76.6	326.0
116.00	1.00	1.31	7.939	8.73	0.00	1.200	1.701	1.00	3.206	3.85	33.6	76.2	187.2
118.00	1.00	1.31	7.968	8.76	0.00	1.200	1.704	2.00	6.352	7.62	66.8	150.6	370.4
120.00	1.00	1.32	7.996	8.80	0.00	1.200	1.707	2.00	6.273	7.53	66.2	148.8	365.6
122.00	1.00	1.32	8.024	8.83	0.00	1.200	1.710	2.00	6.194	7.43	65.6	147.1	360.8
124.00	1.00	1.32	8.051	8.86	0.00	1.200	1.712	2.00	6.115	7.34	65.0	145.3	356.0
126.00	1.00	1.33	8.079	8.89	0.00	1.200	1.715	2.00	6.036	7.24	64.4	143.6	351.2
128.00	1.00	1.33	8.105	8.92	0.00	1.200	1.718	2.00	5.956	7.15	63.7	141.8	346.3
130.00	1.00	1.34	8.132	8.95	0.00	1.200	1.720	2.00	5.877	7.05	63.1	140.0	341.4
132.00	1.00	1.34	8.158	8.97	0.00	1.200	1.723	2.00	5.798	6.96	62.4	138.2	336.6
134.00	1.00	1.35	8.184	9.00	0.00	1.200	1.726	2.00	5.719	6.86	61.8	136.4	331.7
136.00	1.00	1.35	8.210	9.03	0.00	1.200	1.728	2.00	5.639	6.77	61.1	134.6	326.8
138.00	1.00	1.35	8.235	9.06	0.00	1.200	1.731	2.00	5.560	6.67	60.4	132.7	321.9
140.00	1.00	1.36	8.260	9.09	0.00	1.200	1.733	2.00	5.481	6.58	59.8	130.9	317.0
142.00	1.00	1.36	8.285	9.11	0.00	1.200	1.736	2.00	5.401	6.48	59.1	129.1	312.1
144.00	1.00	1.37	8.309	9.14	0.00	1.200	1.738	2.00	5.322	6.39	58.4	127.2	307.2
146.00	1.00	1.37	8.333	9.17	0.00	1.200	1.741	2.00	5.243	6.29	57.7	125.4	302.3
148.00	1.00	1.37	8.357	9.19	0.00	1.200	1.743	2.00	5.163	6.20	57.0	123.5	297.3
150.00	1.00	1.38	8.381	9.22	0.00	1.200	1.745	2.00	5.084	6.10	56.2	121.6	292.4
152.00	1.00	1.38	8.404	9.24	0.00	1.200	1.748	2.00	5.005	6.01	55.5	119.7	287.4
154.00	1.00	1.39	8.427	9.27	0.00	1.200	1.750	2.00	4.925	5.91	54.8	117.8	282.5
156.00	1.00	1.39	8.450	9.30	0.00	1.200	1.752	2.00	4.846	5.82	54.1	115.9	277.5
158.00	1.00	1.39	8.473	9.32	0.00	1.200	1.754	2.00	4.767	5.72	53.3	114.0	272.5
160.00 Top - Section 4	1.00	1.40	8.495	9.34	0.00	1.200	1.757	2.00	4.687	5.62	52.6	112.1	267.6
162.00 Appurtenance(s)	1.00	1.40	8.518	9.37	0.00	1.200	1.759	2.00	4.586	5.50	51.6	110.7	281.8
164.00	1.00	1.40	8.540	9.39	0.00	1.200	1.761	2.00	4.587	5.50	51.7	110.8	282.0
165.00	1.00	1.41	8.551	9.41	0.00	1.200	1.762	1.00	2.294	2.75	25.9	55.5	141.0
Totals:								165.00			5,726.1		46,854.1

Discrete Appurtenance Forces

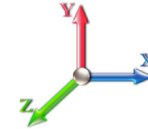
Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021	
Site Name: Ledyard South	Exposure: C		
Height: 165.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 24



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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 26

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	162.00	MX06FRO660-03	6	8.518	9.369	0.70	0.80	47.01	1959.44	0.000	0.000	440.45	0.00	0.00
2	162.00	VZS01	3	8.534	9.388	0.55	0.80	8.60	649.77	0.000	1.500	80.70	0.00	121.05
3	162.00	B2/B66A RRH-BR049	3	8.518	9.369	0.54	0.80	3.94	535.72	0.000	0.000	36.88	0.00	0.00
4	162.00	B5/B13 RRH-BR04C	3	8.518	9.369	0.54	0.80	3.94	463.18	0.000	0.000	36.88	0.00	0.00
5	162.00	FE-16148-OVP-B12	1	8.518	9.369	0.54	0.80	3.12	117.60	0.000	0.000	29.19	0.00	0.00
6	162.00	RMQP-463 (LPP)	1	8.518	9.369	0.00	1.00	29.72	3658.70	0.000	0.000	278.49	0.00	0.00
7	162.00	BXA-70063-6CF-EDIN-5	3	8.518	9.369	0.58	0.80	15.49	588.66	0.000	0.000	145.12	0.00	0.00
Totals:									7,973.07			1,047.72		

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

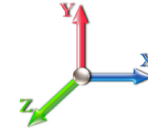


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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 26

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
2.00		71.57	753.06	0.00	0.00
4.00		71.21	759.51	0.00	0.00
6.00		70.78	761.09	0.00	0.00
8.00		70.32	760.55	0.00	0.00
10.00		69.84	758.81	0.00	0.00
12.00		69.35	756.28	0.00	0.00
14.00		68.85	753.19	0.00	0.00
16.00		69.19	749.68	0.00	0.00
18.00		70.40	745.84	0.00	0.00
20.00		71.43	741.73	0.00	0.00
21.00		35.87	369.22	0.00	0.00
22.00		36.56	638.16	0.00	0.00
24.00		74.04	1269.53	0.00	0.00
26.00		74.72	1260.28	0.00	0.00
28.00		75.30	1250.90	0.00	0.00
30.00		75.79	728.57	0.00	0.00
32.00		76.22	723.56	0.00	0.00
34.00		76.57	718.45	0.00	0.00
36.00		76.87	713.27	0.00	0.00
38.00		77.10	708.00	0.00	0.00
40.00		77.29	702.67	0.00	0.00
42.00		77.43	697.27	0.00	0.00
44.00		77.53	691.81	0.00	0.00
46.00		77.59	686.30	0.00	0.00
48.00		77.61	680.73	0.00	0.00
50.00		77.59	675.12	0.00	0.00
52.00		77.55	669.47	0.00	0.00
54.00		77.47	663.78	0.00	0.00
56.00		77.36	658.05	0.00	0.00
58.00		77.22	652.28	0.00	0.00
60.00		77.06	646.48	0.00	0.00
62.00		76.88	640.64	0.00	0.00
64.00		76.67	634.78	0.00	0.00
65.00		38.18	315.34	0.00	0.00
66.00		38.62	499.62	0.00	0.00
68.00		77.17	991.61	0.00	0.00
70.00		76.90	981.83	0.00	0.00
71.00		38.29	487.41	0.00	0.00
72.00		38.21	273.80	0.00	0.00
74.00		76.31	543.33	0.00	0.00
76.00		75.99	538.09	0.00	0.00
78.00		75.64	532.82	0.00	0.00
80.00		75.29	527.54	0.00	0.00
82.00		74.91	522.23	0.00	0.00
84.00		74.52	516.91	0.00	0.00
86.00		74.11	511.56	0.00	0.00

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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88.00	73.69	506.20	0.00	0.00
90.00	73.26	500.83	0.00	0.00
92.00	72.81	495.43	0.00	0.00
94.00	72.35	490.02	0.00	0.00
96.00	71.88	484.59	0.00	0.00
98.00	71.39	479.15	0.00	0.00
100.00	70.89	473.70	0.00	0.00
102.00	70.38	468.23	0.00	0.00
104.00	69.86	462.75	0.00	0.00
106.00	69.33	457.25	0.00	0.00
108.00	68.79	451.74	0.00	0.00
110.00	68.23	446.22	0.00	0.00
112.00	68.55	671.85	0.00	0.00
114.00	67.98	663.24	0.00	0.00
115.00	33.74	328.60	0.00	0.00
116.00	33.60	189.88	0.00	0.00
118.00	66.81	375.72	0.00	0.00
120.00	66.21	370.92	0.00	0.00
122.00	65.60	366.10	0.00	0.00
124.00	64.99	361.27	0.00	0.00
126.00	64.36	356.43	0.00	0.00
128.00	63.73	351.58	0.00	0.00
130.00	63.09	346.73	0.00	0.00
132.00	62.44	341.86	0.00	0.00
134.00	61.78	336.98	0.00	0.00
136.00	61.11	332.10	0.00	0.00
138.00	60.44	327.20	0.00	0.00
140.00	59.76	322.30	0.00	0.00
142.00	59.07	317.39	0.00	0.00
144.00	58.37	312.47	0.00	0.00
146.00	57.67	307.55	0.00	0.00
148.00	56.96	302.61	0.00	0.00
150.00	56.24	297.67	0.00	0.00
152.00	55.52	292.72	0.00	0.00
154.00	54.79	287.76	0.00	0.00
156.00	54.05	282.80	0.00	0.00
158.00	53.31	277.83	0.00	0.00
160.00	52.56	272.85	0.00	0.00
162.00	(20) attachments 1099.28	8260.19	0.00	121.05
164.00	51.71	281.99	0.00	0.00
165.00	25.89	141.03	0.00	0.00
Totals:		6,773.83	55,254.88	0.00
				121.05

Calculated Forces

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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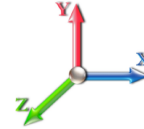


Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 26

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	-55.25	-6.78	0.00	-650.20	0.00	650.20	4463.02	2231.51	10951.4	5483.88	0.00	0.000	0.000	0.131
2.00	-54.50	-6.72	0.00	-636.65	0.00	636.65	4444.18	2222.09	10818.1	5417.09	0.00	-0.011	0.000	0.130
4.00	-53.74	-6.66	0.00	-623.21	0.00	623.21	4425.06	2212.53	10684.8	5350.35	0.01	-0.023	0.000	0.129
6.00	-52.98	-6.60	0.00	-609.90	0.00	609.90	4405.68	2202.84	10551.6	5283.67	0.02	-0.035	0.000	0.127
8.00	-52.21	-6.54	0.00	-596.70	0.00	596.70	4386.04	2193.02	10418.6	5217.05	0.04	-0.046	0.000	0.126
10.00	-51.45	-6.48	0.00	-583.63	0.00	583.63	4366.13	2183.07	10285.7	5150.50	0.06	-0.058	0.000	0.125
12.00	-50.70	-6.42	0.00	-570.68	0.00	570.68	4345.95	2172.98	10152.9	5084.04	0.09	-0.069	0.000	0.124
14.00	-49.94	-6.36	0.00	-557.85	0.00	557.85	4325.51	2162.76	10020.4	5017.66	0.12	-0.081	0.000	0.123
16.00	-49.19	-6.30	0.00	-545.13	0.00	545.13	4304.81	2152.40	9888.06	4951.38	0.16	-0.093	0.000	0.122
18.00	-48.44	-6.23	0.00	-532.54	0.00	532.54	4283.84	2141.92	9755.90	4885.20	0.20	-0.104	0.000	0.120
20.00	-47.70	-6.17	0.00	-520.07	0.00	520.07	4262.60	2131.30	9623.96	4819.13	0.24	-0.116	0.000	0.119
21.00	-47.33	-6.14	0.00	-513.90	0.00	513.90	4251.88	2125.94	9558.08	4786.14	0.27	-0.122	0.000	0.119
22.00	-46.69	-6.11	0.00	-507.76	0.00	507.76	4241.09	2120.55	9492.26	4753.19	0.30	-0.128	0.000	0.118
24.00	-45.42	-6.04	0.00	-495.55	0.00	495.55	4219.33	2109.66	9360.82	4687.37	0.35	-0.140	0.000	0.116
26.00	-44.16	-5.97	0.00	-483.47	0.00	483.47	4197.29	2098.65	9229.64	4621.68	0.41	-0.152	0.000	0.115
28.00	-42.91	-5.90	0.00	-471.53	0.00	471.53	4210.19	2105.10	9306.23	4660.03	0.48	-0.163	0.000	0.111
30.00	-42.18	-5.83	0.00	-459.73	0.00	459.73	4188.05	2094.02	9175.18	4594.41	0.55	-0.175	0.000	0.110
32.00	-41.46	-5.76	0.00	-448.07	0.00	448.07	4165.64	2082.82	9044.41	4528.93	0.63	-0.187	0.000	0.109
34.00	-40.74	-5.69	0.00	-436.55	0.00	436.55	4142.96	2071.48	8913.95	4463.60	0.71	-0.198	0.000	0.108
36.00	-40.02	-5.62	0.00	-425.17	0.00	425.17	4120.02	2060.01	8783.81	4398.44	0.79	-0.209	0.000	0.106
38.00	-39.31	-5.55	0.00	-413.93	0.00	413.93	4096.81	2048.41	8654.02	4333.44	0.88	-0.221	0.000	0.105
40.00	-38.61	-5.47	0.00	-402.84	0.00	402.84	4073.34	2036.67	8524.57	4268.62	0.98	-0.232	0.000	0.104
42.00	-37.91	-5.40	0.00	-391.89	0.00	391.89	4049.60	2024.80	8395.50	4203.99	1.08	-0.244	0.000	0.103
44.00	-37.22	-5.33	0.00	-381.09	0.00	381.09	4025.60	2012.80	8266.81	4139.55	1.18	-0.255	0.000	0.101
46.00	-36.53	-5.25	0.00	-370.44	0.00	370.44	4001.33	2000.67	8138.53	4075.31	1.29	-0.266	0.000	0.100
48.00	-35.85	-5.18	0.00	-359.93	0.00	359.93	3976.80	1988.40	8010.66	4011.28	1.41	-0.278	0.000	0.099
50.00	-35.18	-5.11	0.00	-349.57	0.00	349.57	3952.00	1976.00	7883.22	3947.47	1.52	-0.289	0.000	0.097
52.00	-34.51	-5.03	0.00	-339.35	0.00	339.35	3926.93	1963.46	7756.23	3883.88	1.65	-0.301	0.000	0.096
54.00	-33.84	-4.96	0.00	-329.29	0.00	329.29	3901.60	1950.80	7629.71	3820.52	1.78	-0.312	0.000	0.095
56.00	-33.18	-4.88	0.00	-319.37	0.00	319.37	3876.00	1938.00	7503.66	3757.41	1.91	-0.323	0.000	0.094
58.00	-32.53	-4.81	0.00	-309.60	0.00	309.60	3850.14	1925.07	7378.11	3694.54	2.05	-0.335	0.000	0.092
60.00	-31.88	-4.74	0.00	-299.98	0.00	299.98	3824.01	1912.00	7253.07	3631.92	2.19	-0.346	0.000	0.091
62.00	-31.24	-4.66	0.00	-290.51	0.00	290.51	3797.62	1898.81	7128.55	3569.57	2.34	-0.357	0.000	0.090
64.00	-30.61	-4.58	0.00	-281.19	0.00	281.19	3770.96	1885.48	7004.58	3507.49	2.49	-0.369	0.000	0.088
65.00	-30.29	-4.55	0.00	-276.61	0.00	276.61	3757.53	1878.76	6942.80	3476.56	2.57	-0.374	0.000	0.088
66.00	-29.79	-4.51	0.00	-272.06	0.00	272.06	3744.03	1872.02	6881.16	3445.70	2.65	-0.380	0.000	0.087
68.00	-28.80	-4.43	0.00	-263.04	0.00	263.04	3716.84	1858.42	6758.32	3384.18	2.81	-0.391	0.000	0.085
70.00	-27.82	-4.35	0.00	-254.18	0.00	254.18	3689.38	1844.69	6636.06	3322.96	2.97	-0.403	0.000	0.084
71.00	-27.33	-4.31	0.00	-249.83	0.00	249.83	2902.90	1451.45	5283.02	2645.43	3.06	-0.408	0.000	0.104
72.00	-27.06	-4.28	0.00	-245.51	0.00	245.51	2893.55	1446.77	5237.63	2622.71	3.15	-0.414	0.000	0.103
74.00	-26.51	-4.20	0.00	-236.96	0.00	236.96	2874.64	1437.32	5147.04	2577.35	3.32	-0.427	0.000	0.101
76.00	-25.97	-4.13	0.00	-228.56	0.00	228.56	2855.47	1427.73	5056.73	2532.12	3.50	-0.440	0.000	0.099
78.00	-25.44	-4.05	0.00	-220.30	0.00	220.30	2836.03	1418.01	4966.70	2487.04	3.69	-0.452	0.000	0.098
80.00	-24.91	-3.98	0.00	-212.19	0.00	212.19	2816.32	1408.16	4876.98	2442.11	3.88	-0.465	0.000	0.096
82.00	-24.39	-3.91	0.00	-204.23	0.00	204.23	2796.35	1398.18	4787.57	2397.34	4.08	-0.478	0.000	0.094
84.00	-23.87	-3.83	0.00	-196.42	0.00	196.42	2776.12	1388.06	4698.50	2352.74	4.28	-0.490	0.000	0.092
86.00	-23.36	-3.76	0.00	-188.75	0.00	188.75	2755.61	1377.81	4609.77	2308.31	4.49	-0.503	0.000	0.090
88.00	-22.85	-3.69	0.00	-181.23	0.00	181.23	2734.85	1367.42	4521.42	2264.07	4.71	-0.515	0.000	0.088

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (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



90.00	-22.35	-3.61	0.00	-173.86	0.00	173.86	2713.81	1356.91	4433.44	2220.01	4.92	-0.528	0.000	0.087
92.00	-21.86	-3.54	0.00	-166.64	0.00	166.64	2692.52	1346.26	4345.86	2176.16	5.15	-0.540	0.000	0.085
94.00	-21.37	-3.47	0.00	-159.55	0.00	159.55	2670.95	1335.48	4258.69	2132.51	5.38	-0.552	0.000	0.083
96.00	-20.88	-3.40	0.00	-152.62	0.00	152.62	2649.12	1324.56	4171.94	2089.07	5.61	-0.564	0.000	0.081
98.00	-20.40	-3.32	0.00	-145.83	0.00	145.83	2627.03	1313.51	4085.64	2045.86	5.85	-0.576	0.000	0.079
100.00	-19.93	-3.25	0.00	-139.18	0.00	139.18	2604.67	1302.33	3999.80	2002.87	6.09	-0.588	0.000	0.077
102.00	-19.46	-3.18	0.00	-132.68	0.00	132.68	2582.04	1291.02	3914.44	1960.13	6.34	-0.600	0.000	0.075
104.00	-19.00	-3.11	0.00	-126.31	0.00	126.31	2559.15	1279.57	3829.56	1917.63	6.60	-0.612	0.000	0.073
106.00	-18.54	-3.04	0.00	-120.09	0.00	120.09	2535.99	1268.00	3745.19	1875.38	6.86	-0.623	0.000	0.071
108.00	-18.09	-2.97	0.00	-114.01	0.00	114.01	2512.57	1256.28	3661.34	1833.39	7.12	-0.635	0.000	0.069
110.00	-17.65	-2.90	0.00	-108.08	0.00	108.08	2488.88	1244.44	3578.02	1791.67	7.39	-0.646	0.000	0.067
112.00	-16.97	-2.83	0.00	-102.28	0.00	102.28	2464.93	1232.46	3495.26	1750.23	7.66	-0.657	0.000	0.065
114.00	-16.31	-2.75	0.00	-96.62	0.00	96.62	2440.71	1220.35	3413.07	1709.07	7.94	-0.668	0.000	0.063
115.00	-15.98	-2.72	0.00	-93.87	0.00	93.87	1825.70	912.85	2582.32	1293.08	8.08	-0.674	0.000	0.081
116.00	-15.79	-2.68	0.00	-91.15	0.00	91.15	1817.93	908.96	2553.51	1278.65	8.22	-0.679	0.000	0.080
118.00	-15.42	-2.62	0.00	-85.78	0.00	85.78	1802.18	901.09	2496.07	1249.89	8.51	-0.692	0.000	0.077
120.00	-15.05	-2.55	0.00	-80.55	0.00	80.55	1786.18	893.09	2438.88	1221.25	8.80	-0.704	0.000	0.074
122.00	-14.68	-2.48	0.00	-75.45	0.00	75.45	1769.90	884.95	2381.96	1192.75	9.10	-0.716	0.000	0.072
124.00	-14.32	-2.42	0.00	-70.49	0.00	70.49	1753.37	876.68	2325.32	1164.39	9.40	-0.728	0.000	0.069
126.00	-13.96	-2.35	0.00	-65.66	0.00	65.66	1736.56	868.28	2268.99	1136.18	9.71	-0.739	0.000	0.066
128.00	-13.61	-2.28	0.00	-60.96	0.00	60.96	1719.49	859.75	2212.98	1108.13	10.02	-0.750	0.000	0.063
130.00	-13.27	-2.22	0.00	-56.40	0.00	56.40	1702.16	851.08	2157.30	1080.25	10.34	-0.761	0.000	0.060
132.00	-12.93	-2.15	0.00	-51.96	0.00	51.96	1684.56	842.28	2101.96	1052.54	10.66	-0.772	0.000	0.057
134.00	-12.59	-2.09	0.00	-47.65	0.00	47.65	1666.69	833.34	2046.99	1025.02	10.98	-0.782	0.000	0.054
136.00	-12.26	-2.03	0.00	-43.47	0.00	43.47	1648.56	824.28	1992.41	997.68	11.31	-0.792	0.000	0.051
138.00	-11.93	-1.96	0.00	-39.42	0.00	39.42	1630.16	815.08	1938.21	970.55	11.65	-0.801	0.000	0.048
140.00	-11.61	-1.90	0.00	-35.50	0.00	35.50	1611.50	805.75	1884.43	943.61	11.98	-0.810	0.000	0.045
142.00	-11.29	-1.84	0.00	-31.70	0.00	31.70	1592.57	796.28	1831.07	916.90	12.33	-0.818	0.000	0.042
144.00	-10.98	-1.78	0.00	-28.02	0.00	28.02	1573.37	786.69	1778.16	890.40	12.67	-0.825	0.000	0.038
146.00	-10.67	-1.72	0.00	-24.47	0.00	24.47	1553.92	776.96	1725.70	864.13	13.02	-0.833	0.000	0.035
148.00	-10.37	-1.66	0.00	-21.04	0.00	21.04	1534.19	767.09	1673.72	838.10	13.37	-0.839	0.000	0.032
150.00	-10.07	-1.60	0.00	-17.72	0.00	17.72	1514.20	757.10	1622.22	812.32	13.72	-0.845	0.000	0.028
152.00	-9.78	-1.54	0.00	-14.53	0.00	14.53	1493.94	746.97	1571.23	786.78	14.08	-0.850	0.000	0.025
154.00	-9.50	-1.48	0.00	-11.46	0.00	11.46	1473.42	736.71	1520.76	761.51	14.43	-0.855	0.000	0.021
156.00	-9.21	-1.42	0.00	-8.50	0.00	8.50	1452.63	726.32	1470.83	736.51	14.79	-0.858	0.000	0.018
158.00	-8.94	-1.36	0.00	-5.66	0.00	5.66	1427.99	714.00	1417.89	710.00	15.15	-0.861	0.000	0.014
160.00	-8.66	-1.31	0.00	-2.93	0.00	2.93	1400.09	700.04	1362.73	682.38	15.51	-0.862	0.000	0.010
160.00	-8.66	-1.31	0.00	-2.93	0.00	2.93	679.01	339.51	662.80	396.70	15.51	-0.862	0.000	0.020
162.00	-0.42	-0.08	0.00	-0.20	0.00	0.20	679.01	339.51	662.80	396.70	15.87	-0.863	0.000	0.001
164.00	-0.14	-0.03	0.00	-0.03	0.00	0.03	679.01	339.51	662.80	396.70	16.24	-0.863	0.000	0.000
165.00	0.00	-0.03	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	16.42	-0.863	0.000	0.000

Seismic Segment Forces (Factored)

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

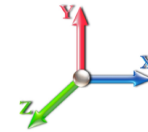


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Load Case: 1.2D + 1.0E

Iterations 24

Gust Response Factor 1.10	Sds 0.17	Ss 0.16
Dead Load Factor 1.20	Seismic Load Factor 1.00	Sd1 0.09
Wind Load Factor 0.00	Structure Frequency (f1) 0.44	SA 0.04
		Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
2.00		481.05	0.00	0.01	0.01	3.02	
4.00		477.21	0.00	0.03	0.01	5.28	
6.00		473.38	0.00	0.03	0.02	6.99	
8.00		469.54	0.00	0.04	0.02	8.28	
10.00		465.71	0.01	0.05	0.03	9.27	
12.00		461.87	0.01	0.05	0.03	10.01	
14.00		458.04	0.01	0.06	0.03	10.57	
16.00		454.20	0.02	0.06	0.04	10.99	
18.00		450.37	0.02	0.07	0.04	11.30	
20.00		446.53	0.03	0.07	0.04	11.52	
21.00	Bot - Section 2	221.83	0.03	0.07	0.04	5.79	
22.00		444.78	0.03	0.07	0.04	11.73	
24.00		883.80	0.04	0.07	0.04	23.72	
26.00		876.13	0.05	0.07	0.04	23.87	
28.00	Top - Section 1	868.46	0.05	0.07	0.04	23.97	
30.00		433.43	0.06	0.07	0.04	12.10	
32.00		429.60	0.07	0.07	0.04	12.13	
34.00		425.76	0.08	0.07	0.04	12.14	
36.00		421.93	0.09	0.07	0.04	12.15	
38.00		418.09	0.10	0.07	0.04	12.15	
40.00		414.26	0.11	0.07	0.04	12.16	
42.00		410.42	0.12	0.07	0.03	12.15	
44.00		406.59	0.13	0.07	0.03	12.14	
46.00		402.75	0.15	0.07	0.03	12.11	
48.00		398.92	0.16	0.07	0.03	12.07	
50.00		395.08	0.17	0.07	0.03	12.01	
52.00		391.25	0.19	0.06	0.02	11.92	
54.00		387.42	0.20	0.06	0.02	11.80	
56.00		383.58	0.22	0.06	0.02	11.64	
58.00		379.75	0.23	0.06	0.02	11.43	
60.00		375.91	0.25	0.06	0.02	11.16	
62.00		372.08	0.27	0.05	0.02	10.84	
64.00		368.24	0.28	0.05	0.01	10.45	
65.00	Bot - Section 3	182.68	0.29	0.05	0.01	5.10	
66.00		335.48	0.30	0.04	0.01	9.19	
68.00		665.69	0.32	0.04	0.01	17.43	
70.00		658.66	0.34	0.04	0.01	16.28	
71.00	Top - Section 2	326.69	0.35	0.03	0.01	7.80	
72.00		148.96	0.36	0.03	0.01	3.42	
74.00		295.53	0.38	0.02	0.01	6.19	
76.00		292.33	0.40	0.02	0.01	5.46	
78.00		289.14	0.42	0.01	0.01	4.65	
80.00		285.94	0.44	0.00	0.01	3.79	
82.00		282.75	0.47	0.00	0.01	2.88	
84.00		279.55	0.49	-0.01	0.01	1.94	

Seismic Segment Forces (Factored)

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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86.00		276.36	0.51	-0.02	0.01	0.98
88.00		273.16	0.54	-0.03	0.01	0.02
90.00		269.96	0.56	-0.04	0.01	-0.92
92.00		266.77	0.59	-0.05	0.01	-1.82
94.00		263.57	0.61	-0.06	0.02	-2.66
96.00		260.38	0.64	-0.07	0.02	-3.43
98.00		257.18	0.67	-0.08	0.02	-4.10
100.00		253.99	0.69	-0.09	0.03	-4.67
102.00		250.79	0.72	-0.09	0.03	-5.12
104.00		247.59	0.75	-0.10	0.04	-5.44
106.00		244.40	0.78	-0.11	0.05	-5.63
108.00		241.20	0.81	-0.11	0.06	-5.68
110.00	Bot - Section 4	238.01	0.84	-0.12	0.07	-5.60
112.00		425.70	0.87	-0.12	0.08	-9.75
114.00		419.94	0.90	-0.12	0.09	-9.12
115.00	Top - Section 3	207.82	0.92	-0.12	0.09	-4.34
116.00		92.57	0.93	-0.12	0.10	-1.84
118.00		183.22	0.97	-0.12	0.12	-3.20
120.00		180.66	1.00	-0.11	0.13	-2.61
122.00		178.10	1.03	-0.10	0.15	-1.92
124.00		175.55	1.07	-0.09	0.17	-1.14
126.00		172.99	1.10	-0.07	0.19	-0.28
128.00		170.43	1.14	-0.05	0.21	0.66
130.00		167.88	1.17	-0.02	0.24	1.69
132.00		165.32	1.21	0.01	0.26	2.78
134.00		162.76	1.25	0.05	0.29	3.94
136.00		160.21	1.28	0.10	0.32	5.16
138.00		157.65	1.32	0.15	0.36	6.44
140.00		155.09	1.36	0.21	0.39	7.78
142.00		152.54	1.40	0.28	0.43	9.17
144.00		149.98	1.44	0.36	0.47	10.60
146.00		147.42	1.48	0.45	0.52	12.07
148.00		144.87	1.52	0.55	0.57	13.57
150.00		142.31	1.56	0.67	0.62	15.11
152.00		139.75	1.60	0.79	0.68	16.68
154.00		137.20	1.65	0.93	0.73	18.27
156.00		134.64	1.69	1.08	0.80	19.88
158.00		132.09	1.73	1.25	0.87	21.50
160.00	Top - Section 4	129.53	1.78	1.44	0.94	23.13
162.00	Appurtenance(s)	3213.9	1.82	1.64	1.02	626.95
164.00		142.63	1.87	1.86	1.10	30.27
165.00		71.31	1.89	1.98	1.14	15.77
Totals:		30,548.8				1,256.2
						Total Wind: 26,372.0

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

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 31



Load Case: 1.2D + 1.0E

Iterations 24

Gust Response Factor 1.10

Sds 0.17

Ss 0.16

Dead Load Factor 1.20

Seismic Load Factor 1.00

Sd1 0.09

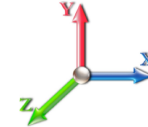
S1 0.06

Wind Load Factor 0.00

Structure Frequency (f1) 0.44

SA 0.04

Seismic Importance Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-37.09	-1.33	0.00	-160.85	0.00	160.85	4463.02	2231.51	10951.4	5483.88	0.00	0.00	0.00	0.038
2.00	-36.50	-1.33	0.00	-158.18	0.00	158.18	4444.18	2222.09	10818.1	5417.09	0.00	0.00	0.00	0.037
4.00	-35.93	-1.33	0.00	-155.51	0.00	155.51	4425.06	2212.53	10684.8	5350.35	0.00	-0.01	0.00	0.037
6.00	-35.35	-1.32	0.00	-152.85	0.00	152.85	4405.68	2202.84	10551.6	5283.67	0.01	-0.01	0.00	0.037
8.00	-34.78	-1.32	0.00	-150.20	0.00	150.20	4386.04	2193.02	10418.6	5217.05	0.01	-0.01	0.00	0.037
10.00	-34.22	-1.31	0.00	-147.57	0.00	147.57	4366.13	2183.07	10285.7	5150.50	0.02	-0.01	0.00	0.036
12.00	-33.66	-1.30	0.00	-144.95	0.00	144.95	4345.95	2172.98	10152.9	5084.04	0.02	-0.02	0.00	0.036
14.00	-33.10	-1.29	0.00	-142.35	0.00	142.35	4325.51	2162.76	10020.4	5017.66	0.03	-0.02	0.00	0.036
16.00	-32.55	-1.28	0.00	-139.76	0.00	139.76	4304.81	2152.40	9888.06	4951.38	0.04	-0.02	0.00	0.036
18.00	-32.01	-1.27	0.00	-137.20	0.00	137.20	4283.84	2141.92	9755.90	4885.20	0.05	-0.03	0.00	0.036
20.00	-31.47	-1.26	0.00	-134.65	0.00	134.65	4262.60	2131.30	9623.96	4819.13	0.06	-0.03	0.00	0.035
21.00	-31.20	-1.26	0.00	-133.39	0.00	133.39	4251.88	2125.94	9558.08	4786.14	0.07	-0.03	0.00	0.035
22.00	-30.66	-1.25	0.00	-132.13	0.00	132.13	4241.09	2120.55	9492.26	4753.19	0.07	-0.03	0.00	0.035
24.00	-29.60	-1.22	0.00	-129.64	0.00	129.64	4219.33	2109.66	9360.82	4687.37	0.09	-0.04	0.00	0.035
26.00	-28.54	-1.20	0.00	-127.19	0.00	127.19	4197.29	2098.65	9229.64	4621.68	0.10	-0.04	0.00	0.034
28.00	-27.49	-1.18	0.00	-124.79	0.00	124.79	4210.19	2105.10	9306.23	4660.03	0.12	-0.04	0.00	0.033
30.00	-26.97	-1.17	0.00	-122.43	0.00	122.43	4188.05	2094.02	9175.18	4594.41	0.14	-0.04	0.00	0.033
32.00	-26.45	-1.16	0.00	-120.10	0.00	120.10	4165.64	2082.82	9044.41	4528.93	0.16	-0.05	0.00	0.033
34.00	-25.93	-1.14	0.00	-117.79	0.00	117.79	4142.96	2071.48	8913.95	4463.60	0.18	-0.05	0.00	0.033
36.00	-25.42	-1.13	0.00	-115.50	0.00	115.50	4120.02	2060.01	8783.81	4398.44	0.20	-0.05	0.00	0.032
38.00	-24.91	-1.12	0.00	-113.23	0.00	113.23	4096.81	2048.41	8654.02	4333.44	0.22	-0.06	0.00	0.032
40.00	-24.41	-1.11	0.00	-110.99	0.00	110.99	4073.34	2036.67	8524.57	4268.62	0.25	-0.06	0.00	0.032
42.00	-23.91	-1.10	0.00	-108.77	0.00	108.77	4049.60	2024.80	8395.50	4203.99	0.28	-0.06	0.00	0.032
44.00	-23.42	-1.09	0.00	-106.57	0.00	106.57	4025.60	2012.80	8266.81	4139.55	0.30	-0.07	0.00	0.032
46.00	-22.93	-1.08	0.00	-104.39	0.00	104.39	4001.33	2000.67	8138.53	4075.31	0.33	-0.07	0.00	0.031
48.00	-22.44	-1.06	0.00	-102.24	0.00	102.24	3976.80	1988.40	8010.66	4011.28	0.36	-0.07	0.00	0.031
50.00	-21.97	-1.05	0.00	-100.11	0.00	100.11	3952.00	1976.00	7883.22	3947.47	0.39	-0.08	0.00	0.031
52.00	-21.49	-1.04	0.00	-98.00	0.00	98.00	3926.93	1963.46	7756.23	3883.88	0.43	-0.08	0.00	0.031
54.00	-21.02	-1.03	0.00	-95.92	0.00	95.92	3901.60	1950.80	7629.71	3820.52	0.46	-0.08	0.00	0.030
56.00	-20.55	-1.02	0.00	-93.86	0.00	93.86	3876.00	1938.00	7503.66	3757.41	0.49	-0.09	0.00	0.030
58.00	-20.09	-1.01	0.00	-91.82	0.00	91.82	3850.14	1925.07	7378.11	3694.54	0.53	-0.09	0.00	0.030
60.00	-19.64	-1.00	0.00	-89.80	0.00	89.80	3824.01	1912.00	7253.07	3631.92	0.57	-0.09	0.00	0.030
62.00	-19.19	-0.99	0.00	-87.80	0.00	87.80	3797.62	1898.81	7128.55	3569.57	0.61	-0.10	0.00	0.030
64.00	-18.74	-0.98	0.00	-85.83	0.00	85.83	3770.96	1885.48	7004.58	3507.49	0.65	-0.10	0.00	0.029
65.00	-18.52	-0.97	0.00	-84.85	0.00	84.85	3757.53	1878.76	6942.80	3476.56	0.67	-0.10	0.00	0.029
66.00	-18.11	-0.96	0.00	-83.88	0.00	83.88	3744.03	1872.02	6881.16	3445.70	0.69	-0.10	0.00	0.029
68.00	-17.31	-0.95	0.00	-81.95	0.00	81.95	3716.84	1858.42	6758.32	3384.18	0.74	-0.11	0.00	0.029
70.00	-16.51	-0.93	0.00	-80.06	0.00	80.06	3689.38	1844.69	6636.06	3322.96	0.78	-0.11	0.00	0.029
71.00	-16.12	-0.92	0.00	-79.13	0.00	79.13	2902.90	1451.45	5283.02	2645.43	0.81	-0.11	0.00	0.035
72.00	-15.93	-0.92	0.00	-78.21	0.00	78.21	2893.55	1446.77	5237.63	2622.71	0.83	-0.11	0.00	0.035
74.00	-15.58	-0.91	0.00	-76.37	0.00	76.37	2874.64	1437.32	5147.04	2577.35	0.88	-0.12	0.00	0.035
76.00	-15.22	-0.91	0.00	-74.55	0.00	74.55	2855.47	1427.73	5056.73	2532.12	0.93	-0.12	0.00	0.035
78.00	-14.87	-0.90	0.00	-72.74	0.00	72.74	2836.03	1418.01	4966.70	2487.04	0.98	-0.13	0.00	0.034
80.00	-14.52	-0.90	0.00	-70.93	0.00	70.93	2816.32	1408.16	4876.98	2442.11	1.03	-0.13	0.00	0.034
82.00	-14.17	-0.90	0.00	-69.13	0.00	69.13	2796.35	1398.18	4787.57	2397.34	1.09	-0.13	0.00	0.034
84.00	-13.83	-0.89	0.00	-67.34	0.00	67.34	2776.12	1388.06	4698.50	2352.74	1.15	-0.14	0.00	0.034
86.00	-13.50	-0.89	0.00	-65.55	0.00	65.55	2755.61	1377.81	4609.77	2308.31	1.21	-0.14	0.00	0.033

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (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



88.00	-13.16	-0.89	0.00	-63.76	0.00	63.76	2734.85	1367.42	4521.42	2264.07	1.27	-0.15	0.033
90.00	-12.83	-0.89	0.00	-61.98	0.00	61.98	2713.81	1356.91	4433.44	2220.01	1.33	-0.15	0.033
92.00	-12.51	-0.89	0.00	-60.19	0.00	60.19	2692.52	1346.26	4345.86	2176.16	1.40	-0.16	0.032
94.00	-12.19	-0.89	0.00	-58.40	0.00	58.40	2670.95	1335.48	4258.69	2132.51	1.46	-0.16	0.032
96.00	-11.87	-0.89	0.00	-56.61	0.00	56.61	2649.12	1324.56	4171.94	2089.07	1.53	-0.17	0.032
98.00	-11.55	-0.89	0.00	-54.82	0.00	54.82	2627.03	1313.51	4085.64	2045.86	1.60	-0.17	0.031
100.00	-11.24	-0.89	0.00	-53.03	0.00	53.03	2604.67	1302.33	3999.80	2002.87	1.67	-0.17	0.031
102.00	-10.94	-0.89	0.00	-51.24	0.00	51.24	2582.04	1291.02	3914.44	1960.13	1.75	-0.18	0.030
104.00	-10.64	-0.89	0.00	-49.45	0.00	49.45	2559.15	1279.57	3829.56	1917.63	1.82	-0.18	0.030
106.00	-10.34	-0.89	0.00	-47.67	0.00	47.67	2535.99	1268.00	3745.19	1875.38	1.90	-0.19	0.029
108.00	-10.04	-0.89	0.00	-45.88	0.00	45.88	2512.57	1256.28	3661.34	1833.39	1.98	-0.19	0.029
110.00	-9.75	-0.89	0.00	-44.09	0.00	44.09	2488.88	1244.44	3578.02	1791.67	2.06	-0.20	0.029
112.00	-9.23	-0.89	0.00	-42.30	0.00	42.30	2464.93	1232.46	3495.26	1750.23	2.15	-0.20	0.028
114.00	-8.73	-0.89	0.00	-40.52	0.00	40.52	2440.71	1220.35	3413.07	1709.07	2.23	-0.21	0.027
115.00	-8.47	-0.89	0.00	-39.62	0.00	39.62	1825.70	912.85	2582.32	1293.08	2.28	-0.21	0.035
116.00	-8.36	-0.89	0.00	-38.73	0.00	38.73	1817.93	908.96	2553.51	1278.65	2.32	-0.21	0.035
118.00	-8.13	-0.89	0.00	-36.95	0.00	36.95	1802.18	901.09	2496.07	1249.89	2.41	-0.22	0.034
120.00	-7.91	-0.89	0.00	-35.17	0.00	35.17	1786.18	893.09	2438.88	1221.25	2.50	-0.22	0.033
122.00	-7.69	-0.89	0.00	-33.39	0.00	33.39	1769.90	884.95	2381.96	1192.75	2.59	-0.23	0.032
124.00	-7.48	-0.89	0.00	-31.60	0.00	31.60	1753.37	876.68	2325.32	1164.39	2.69	-0.23	0.031
126.00	-7.26	-0.89	0.00	-29.82	0.00	29.82	1736.56	868.28	2268.99	1136.18	2.79	-0.24	0.030
128.00	-7.05	-0.89	0.00	-28.04	0.00	28.04	1719.49	859.75	2212.98	1108.13	2.89	-0.24	0.029
130.00	-6.85	-0.89	0.00	-26.26	0.00	26.26	1702.16	851.08	2157.30	1080.25	2.99	-0.25	0.028
132.00	-6.64	-0.88	0.00	-24.49	0.00	24.49	1684.56	842.28	2101.96	1052.54	3.10	-0.25	0.027
134.00	-6.44	-0.88	0.00	-22.72	0.00	22.72	1666.69	833.34	2046.99	1025.02	3.20	-0.26	0.026
136.00	-6.25	-0.88	0.00	-20.96	0.00	20.96	1648.56	824.28	1992.41	997.68	3.31	-0.26	0.025
138.00	-6.05	-0.87	0.00	-19.20	0.00	19.20	1630.16	815.08	1938.21	970.55	3.42	-0.27	0.024
140.00	-5.86	-0.86	0.00	-17.47	0.00	17.47	1611.50	805.75	1884.43	943.61	3.54	-0.27	0.022
142.00	-5.67	-0.85	0.00	-15.75	0.00	15.75	1592.57	796.28	1831.07	916.90	3.65	-0.27	0.021
144.00	-5.49	-0.84	0.00	-14.05	0.00	14.05	1573.37	786.69	1778.16	890.40	3.77	-0.28	0.019
146.00	-5.30	-0.83	0.00	-12.37	0.00	12.37	1553.92	776.96	1725.70	864.13	3.88	-0.28	0.018
148.00	-5.12	-0.81	0.00	-10.72	0.00	10.72	1534.19	767.09	1673.72	838.10	4.00	-0.29	0.016
150.00	-4.95	-0.80	0.00	-9.09	0.00	9.09	1514.20	757.10	1622.22	812.32	4.12	-0.29	0.014
152.00	-4.78	-0.78	0.00	-7.50	0.00	7.50	1493.94	746.97	1571.23	786.78	4.24	-0.29	0.013
154.00	-4.61	-0.76	0.00	-5.94	0.00	5.94	1473.42	736.71	1520.76	761.51	4.37	-0.29	0.011
156.00	-4.44	-0.74	0.00	-4.42	0.00	4.42	1452.63	726.32	1470.83	736.51	4.49	-0.30	0.009
158.00	-4.28	-0.72	0.00	-2.93	0.00	2.93	1427.99	714.00	1417.89	710.00	4.61	-0.30	0.007
160.00	-4.12	-0.69	0.00	-1.50	0.00	1.50	1400.09	700.04	1362.73	682.38	4.74	-0.30	0.005
160.00	-4.12	-0.69	0.00	-1.50	0.00	1.50	679.01	339.51	662.80	396.70	4.74	-0.30	0.010
162.00	-0.26	-0.05	0.00	-0.11	0.00	0.11	679.01	339.51	662.80	396.70	4.86	-0.30	0.001
164.00	-0.09	-0.02	0.00	-0.02	0.00	0.02	679.01	339.51	662.80	396.70	4.99	-0.30	0.000
165.00	0.00	-0.02	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	5.05	-0.30	0.000

Seismic Segment Forces (Factored)

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021	
Site Name: Ledyard South	Exposure: C		
Height: 165.00 (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: 0.9D + 1.0E

Iterations 24

Gust Response Factor 1.10

Sds 0.17

Ss 0.16

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

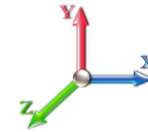
Sd1 0.09

S1 0.06

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.44

SA 0.04

Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
2.00		481.05	0.00	0.01	0.01	3.02	
4.00		477.21	0.00	0.03	0.01	5.28	
6.00		473.38	0.00	0.03	0.02	6.99	
8.00		469.54	0.00	0.04	0.02	8.28	
10.00		465.71	0.01	0.05	0.03	9.27	
12.00		461.87	0.01	0.05	0.03	10.01	
14.00		458.04	0.01	0.06	0.03	10.57	
16.00		454.20	0.02	0.06	0.04	10.99	
18.00		450.37	0.02	0.07	0.04	11.30	
20.00		446.53	0.03	0.07	0.04	11.52	
21.00	Bot - Section 2	221.83	0.03	0.07	0.04	5.79	
22.00		444.78	0.03	0.07	0.04	11.73	
24.00		883.80	0.04	0.07	0.04	23.72	
26.00		876.13	0.05	0.07	0.04	23.87	
28.00	Top - Section 1	868.46	0.05	0.07	0.04	23.97	
30.00		433.43	0.06	0.07	0.04	12.10	
32.00		429.60	0.07	0.07	0.04	12.13	
34.00		425.76	0.08	0.07	0.04	12.14	
36.00		421.93	0.09	0.07	0.04	12.15	
38.00		418.09	0.10	0.07	0.04	12.15	
40.00		414.26	0.11	0.07	0.04	12.16	
42.00		410.42	0.12	0.07	0.03	12.15	
44.00		406.59	0.13	0.07	0.03	12.14	
46.00		402.75	0.15	0.07	0.03	12.11	
48.00		398.92	0.16	0.07	0.03	12.07	
50.00		395.08	0.17	0.07	0.03	12.01	
52.00		391.25	0.19	0.06	0.02	11.92	
54.00		387.42	0.20	0.06	0.02	11.80	
56.00		383.58	0.22	0.06	0.02	11.64	
58.00		379.75	0.23	0.06	0.02	11.43	
60.00		375.91	0.25	0.06	0.02	11.16	
62.00		372.08	0.27	0.05	0.02	10.84	
64.00		368.24	0.28	0.05	0.01	10.45	
65.00	Bot - Section 3	182.68	0.29	0.05	0.01	5.10	
66.00		335.48	0.30	0.04	0.01	9.19	
68.00		665.69	0.32	0.04	0.01	17.43	
70.00		658.66	0.34	0.04	0.01	16.28	
71.00	Top - Section 2	326.69	0.35	0.03	0.01	7.80	
72.00		148.96	0.36	0.03	0.01	3.42	
74.00		295.53	0.38	0.02	0.01	6.19	
76.00		292.33	0.40	0.02	0.01	5.46	
78.00		289.14	0.42	0.01	0.01	4.65	
80.00		285.94	0.44	0.00	0.01	3.79	
82.00		282.75	0.47	0.00	0.01	2.88	
84.00		279.55	0.49	-0.01	0.01	1.94	

Seismic Segment Forces (Factored)

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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86.00		276.36	0.51	-0.02	0.01	0.98
88.00		273.16	0.54	-0.03	0.01	0.02
90.00		269.96	0.56	-0.04	0.01	-0.92
92.00		266.77	0.59	-0.05	0.01	-1.82
94.00		263.57	0.61	-0.06	0.02	-2.66
96.00		260.38	0.64	-0.07	0.02	-3.43
98.00		257.18	0.67	-0.08	0.02	-4.10
100.00		253.99	0.69	-0.09	0.03	-4.67
102.00		250.79	0.72	-0.09	0.03	-5.12
104.00		247.59	0.75	-0.10	0.04	-5.44
106.00		244.40	0.78	-0.11	0.05	-5.63
108.00		241.20	0.81	-0.11	0.06	-5.68
110.00	Bot - Section 4	238.01	0.84	-0.12	0.07	-5.60
112.00		425.70	0.87	-0.12	0.08	-9.75
114.00		419.94	0.90	-0.12	0.09	-9.12
115.00	Top - Section 3	207.82	0.92	-0.12	0.09	-4.34
116.00		92.57	0.93	-0.12	0.10	-1.84
118.00		183.22	0.97	-0.12	0.12	-3.20
120.00		180.66	1.00	-0.11	0.13	-2.61
122.00		178.10	1.03	-0.10	0.15	-1.92
124.00		175.55	1.07	-0.09	0.17	-1.14
126.00		172.99	1.10	-0.07	0.19	-0.28
128.00		170.43	1.14	-0.05	0.21	0.66
130.00		167.88	1.17	-0.02	0.24	1.69
132.00		165.32	1.21	0.01	0.26	2.78
134.00		162.76	1.25	0.05	0.29	3.94
136.00		160.21	1.28	0.10	0.32	5.16
138.00		157.65	1.32	0.15	0.36	6.44
140.00		155.09	1.36	0.21	0.39	7.78
142.00		152.54	1.40	0.28	0.43	9.17
144.00		149.98	1.44	0.36	0.47	10.60
146.00		147.42	1.48	0.45	0.52	12.07
148.00		144.87	1.52	0.55	0.57	13.57
150.00		142.31	1.56	0.67	0.62	15.11
152.00		139.75	1.60	0.79	0.68	16.68
154.00		137.20	1.65	0.93	0.73	18.27
156.00		134.64	1.69	1.08	0.80	19.88
158.00		132.09	1.73	1.25	0.87	21.50
160.00	Top - Section 4	129.53	1.78	1.44	0.94	23.13
162.00	Appurtenance(s)	3213.9	1.82	1.64	1.02	626.95
164.00		142.63	1.87	1.86	1.10	30.27
165.00		71.31	1.89	1.98	1.14	15.77

Totals:	30,548.8	1,256.2
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Total Wind: 26,372.0

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

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 35



Load Case: 0.9D + 1.0E

Iterations 24

Gust Response Factor 1.10

Sds 0.17

Ss 0.16

Dead Load Factor 0.90

Seismic Load Factor 1.00

Sd1 0.09

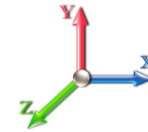
S1 0.06

Wind Load Factor 0.00

Structure Frequency (f1) 0.44

SA 0.04

Seismic Importance Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-27.81	-1.33	0.00	-159.74	0.00	159.74	4463.02	2231.51	10951.4	5483.88	0.00	0.00	0.00	0.035
2.00	-27.38	-1.33	0.00	-157.07	0.00	157.07	4444.18	2222.09	10818.1	5417.09	0.00	0.00	0.00	0.035
4.00	-26.94	-1.33	0.00	-154.41	0.00	154.41	4425.06	2212.53	10684.8	5350.35	0.00	-0.01	0.00	0.035
6.00	-26.51	-1.32	0.00	-151.75	0.00	151.75	4405.68	2202.84	10551.6	5283.67	0.01	-0.01	0.00	0.035
8.00	-26.09	-1.32	0.00	-149.11	0.00	149.11	4386.04	2193.02	10418.6	5217.05	0.01	-0.01	0.00	0.035
10.00	-25.66	-1.31	0.00	-146.48	0.00	146.48	4366.13	2183.07	10285.7	5150.50	0.02	-0.01	0.00	0.034
12.00	-25.24	-1.30	0.00	-143.86	0.00	143.86	4345.95	2172.98	10152.9	5084.04	0.02	-0.02	0.00	0.034
14.00	-24.83	-1.29	0.00	-141.26	0.00	141.26	4325.51	2162.76	10020.4	5017.66	0.03	-0.02	0.00	0.034
16.00	-24.42	-1.28	0.00	-138.69	0.00	138.69	4304.81	2152.40	9888.06	4951.38	0.04	-0.02	0.00	0.034
18.00	-24.01	-1.27	0.00	-136.13	0.00	136.13	4283.84	2141.92	9755.90	4885.20	0.05	-0.03	0.00	0.033
20.00	-23.60	-1.26	0.00	-133.59	0.00	133.59	4262.60	2131.30	9623.96	4819.13	0.06	-0.03	0.00	0.033
21.00	-23.40	-1.25	0.00	-132.33	0.00	132.33	4251.88	2125.94	9558.08	4786.14	0.07	-0.03	0.00	0.033
22.00	-23.00	-1.24	0.00	-131.08	0.00	131.08	4241.09	2120.55	9492.26	4753.19	0.07	-0.03	0.00	0.033
24.00	-22.20	-1.22	0.00	-128.59	0.00	128.59	4219.33	2109.66	9360.82	4687.37	0.09	-0.04	0.00	0.033
26.00	-21.40	-1.20	0.00	-126.15	0.00	126.15	4197.29	2098.65	9229.64	4621.68	0.10	-0.04	0.00	0.032
28.00	-20.62	-1.17	0.00	-123.76	0.00	123.76	4210.19	2105.10	9306.23	4660.03	0.12	-0.04	0.00	0.031
30.00	-20.22	-1.16	0.00	-121.42	0.00	121.42	4188.05	2094.02	9175.18	4594.41	0.14	-0.04	0.00	0.031
32.00	-19.83	-1.15	0.00	-119.09	0.00	119.09	4165.64	2082.82	9044.41	4528.93	0.16	-0.05	0.00	0.031
34.00	-19.45	-1.14	0.00	-116.80	0.00	116.80	4142.96	2071.48	8913.95	4463.60	0.18	-0.05	0.00	0.031
36.00	-19.06	-1.13	0.00	-114.52	0.00	114.52	4120.02	2060.01	8783.81	4398.44	0.20	-0.05	0.00	0.031
38.00	-18.68	-1.12	0.00	-112.26	0.00	112.26	4096.81	2048.41	8654.02	4333.44	0.22	-0.06	0.00	0.030
40.00	-18.31	-1.10	0.00	-110.03	0.00	110.03	4073.34	2036.67	8524.57	4268.62	0.25	-0.06	0.00	0.030
42.00	-17.93	-1.09	0.00	-107.83	0.00	107.83	4049.60	2024.80	8395.50	4203.99	0.27	-0.06	0.00	0.030
44.00	-17.56	-1.08	0.00	-105.64	0.00	105.64	4025.60	2012.80	8266.81	4139.55	0.30	-0.07	0.00	0.030
46.00	-17.20	-1.07	0.00	-103.48	0.00	103.48	4001.33	2000.67	8138.53	4075.31	0.33	-0.07	0.00	0.030
48.00	-16.83	-1.06	0.00	-101.34	0.00	101.34	3976.80	1988.40	8010.66	4011.28	0.36	-0.07	0.00	0.029
50.00	-16.47	-1.05	0.00	-99.23	0.00	99.23	3952.00	1976.00	7883.22	3947.47	0.39	-0.08	0.00	0.029
52.00	-16.12	-1.03	0.00	-97.13	0.00	97.13	3926.93	1963.46	7756.23	3883.88	0.42	-0.08	0.00	0.029
54.00	-15.76	-1.02	0.00	-95.07	0.00	95.07	3901.60	1950.80	7629.71	3820.52	0.46	-0.08	0.00	0.029
56.00	-15.42	-1.01	0.00	-93.02	0.00	93.02	3876.00	1938.00	7503.66	3757.41	0.49	-0.09	0.00	0.029
58.00	-15.07	-1.00	0.00	-91.00	0.00	91.00	3850.14	1925.07	7378.11	3694.54	0.53	-0.09	0.00	0.029
60.00	-14.73	-0.99	0.00	-88.99	0.00	88.99	3824.01	1912.00	7253.07	3631.92	0.57	-0.09	0.00	0.028
62.00	-14.39	-0.98	0.00	-87.01	0.00	87.01	3797.62	1898.81	7128.55	3569.57	0.60	-0.10	0.00	0.028
64.00	-14.05	-0.97	0.00	-85.06	0.00	85.06	3770.96	1885.48	7004.58	3507.49	0.65	-0.10	0.00	0.028
65.00	-13.89	-0.96	0.00	-84.09	0.00	84.09	3757.53	1878.76	6942.80	3476.56	0.67	-0.10	0.00	0.028
66.00	-13.58	-0.96	0.00	-83.12	0.00	83.12	3744.03	1872.02	6881.16	3445.70	0.69	-0.10	0.00	0.028
68.00	-12.98	-0.94	0.00	-81.21	0.00	81.21	3716.84	1858.42	6758.32	3384.18	0.73	-0.11	0.00	0.027
70.00	-12.38	-0.92	0.00	-79.34	0.00	79.34	3689.38	1844.69	6636.06	3322.96	0.78	-0.11	0.00	0.027
71.00	-12.09	-0.91	0.00	-78.42	0.00	78.42	2902.90	1451.45	5283.02	2645.43	0.80	-0.11	0.00	0.034
72.00	-11.95	-0.91	0.00	-77.50	0.00	77.50	2893.55	1446.77	5237.63	2622.71	0.82	-0.11	0.00	0.034
74.00	-11.68	-0.90	0.00	-75.69	0.00	75.69	2874.64	1437.32	5147.04	2577.35	0.87	-0.12	0.00	0.033
76.00	-11.41	-0.90	0.00	-73.88	0.00	73.88	2855.47	1427.73	5056.73	2532.12	0.92	-0.12	0.00	0.033
78.00	-11.15	-0.89	0.00	-72.08	0.00	72.08	2836.03	1418.01	4966.70	2487.04	0.97	-0.13	0.00	0.033
80.00	-10.89	-0.89	0.00	-70.29	0.00	70.29	2816.32	1408.16	4876.98	2442.11	1.03	-0.13	0.00	0.033
82.00	-10.63	-0.89	0.00	-68.51	0.00	68.51	2796.35	1398.18	4787.57	2397.34	1.08	-0.13	0.00	0.032
84.00	-10.37	-0.89	0.00	-66.74	0.00	66.74	2776.12	1388.06	4698.50	2352.74	1.14	-0.14	0.00	0.032
86.00	-10.12	-0.89	0.00	-64.97	0.00	64.97	2755.61	1377.81	4609.77	2308.31	1.20	-0.14	0.00	0.032

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (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



88.00	-9.87	-0.89	0.00	-63.20	0.00	63.20	2734.85	1367.42	4521.42	2264.07	1.26	-0.15	0.032
90.00	-9.62	-0.89	0.00	-61.42	0.00	61.42	2713.81	1356.91	4433.44	2220.01	1.32	-0.15	0.031
92.00	-9.38	-0.89	0.00	-59.65	0.00	59.65	2692.52	1346.26	4345.86	2176.16	1.38	-0.16	0.031
94.00	-9.14	-0.89	0.00	-57.88	0.00	57.88	2670.95	1335.48	4258.69	2132.51	1.45	-0.16	0.031
96.00	-8.90	-0.89	0.00	-56.11	0.00	56.11	2649.12	1324.56	4171.94	2089.07	1.52	-0.16	0.030
98.00	-8.67	-0.89	0.00	-54.34	0.00	54.34	2627.03	1313.51	4085.64	2045.86	1.59	-0.17	0.030
100.00	-8.43	-0.89	0.00	-52.57	0.00	52.57	2604.67	1302.33	3999.80	2002.87	1.66	-0.17	0.029
102.00	-8.20	-0.89	0.00	-50.80	0.00	50.80	2582.04	1291.02	3914.44	1960.13	1.73	-0.18	0.029
104.00	-7.98	-0.89	0.00	-49.03	0.00	49.03	2559.15	1279.57	3829.56	1917.63	1.81	-0.18	0.029
106.00	-7.75	-0.89	0.00	-47.26	0.00	47.26	2535.99	1268.00	3745.19	1875.38	1.89	-0.19	0.028
108.00	-7.53	-0.89	0.00	-45.48	0.00	45.48	2512.57	1256.28	3661.34	1833.39	1.96	-0.19	0.028
110.00	-7.31	-0.89	0.00	-43.71	0.00	43.71	2488.88	1244.44	3578.02	1791.67	2.05	-0.20	0.027
112.00	-6.93	-0.88	0.00	-41.94	0.00	41.94	2464.93	1232.46	3495.26	1750.23	2.13	-0.20	0.027
114.00	-6.54	-0.88	0.00	-40.17	0.00	40.17	2440.71	1220.35	3413.07	1709.07	2.21	-0.20	0.026
115.00	-6.35	-0.88	0.00	-39.29	0.00	39.29	1825.70	912.85	2582.32	1293.08	2.26	-0.21	0.034
116.00	-6.27	-0.88	0.00	-38.41	0.00	38.41	1817.93	908.96	2553.51	1278.65	2.30	-0.21	0.033
118.00	-6.10	-0.88	0.00	-36.64	0.00	36.64	1802.18	901.09	2496.07	1249.89	2.39	-0.21	0.033
120.00	-5.93	-0.88	0.00	-34.88	0.00	34.88	1786.18	893.09	2438.88	1221.25	2.48	-0.22	0.032
122.00	-5.77	-0.88	0.00	-33.11	0.00	33.11	1769.90	884.95	2381.96	1192.75	2.57	-0.23	0.031
124.00	-5.61	-0.88	0.00	-31.34	0.00	31.34	1753.37	876.68	2325.32	1164.39	2.67	-0.23	0.030
126.00	-5.45	-0.88	0.00	-29.58	0.00	29.58	1736.56	868.28	2268.99	1136.18	2.77	-0.24	0.029
128.00	-5.29	-0.88	0.00	-27.81	0.00	27.81	1719.49	859.75	2212.98	1108.13	2.87	-0.24	0.028
130.00	-5.13	-0.88	0.00	-26.05	0.00	26.05	1702.16	851.08	2157.30	1080.25	2.97	-0.25	0.027
132.00	-4.98	-0.88	0.00	-24.29	0.00	24.29	1684.56	842.28	2101.96	1052.54	3.07	-0.25	0.026
134.00	-4.83	-0.87	0.00	-22.53	0.00	22.53	1666.69	833.34	2046.99	1025.02	3.18	-0.26	0.025
136.00	-4.68	-0.87	0.00	-20.79	0.00	20.79	1648.56	824.28	1992.41	997.68	3.29	-0.26	0.024
138.00	-4.54	-0.86	0.00	-19.05	0.00	19.05	1630.16	815.08	1938.21	970.55	3.40	-0.26	0.022
140.00	-4.39	-0.85	0.00	-17.33	0.00	17.33	1611.50	805.75	1884.43	943.61	3.51	-0.27	0.021
142.00	-4.25	-0.84	0.00	-15.62	0.00	15.62	1592.57	796.28	1831.07	916.90	3.62	-0.27	0.020
144.00	-4.11	-0.83	0.00	-13.94	0.00	13.94	1573.37	786.69	1778.16	890.40	3.74	-0.28	0.018
146.00	-3.98	-0.82	0.00	-12.27	0.00	12.27	1553.92	776.96	1725.70	864.13	3.85	-0.28	0.017
148.00	-3.84	-0.81	0.00	-10.63	0.00	10.63	1534.19	767.09	1673.72	838.10	3.97	-0.28	0.015
150.00	-3.71	-0.79	0.00	-9.02	0.00	9.02	1514.20	757.10	1622.22	812.32	4.09	-0.29	0.014
152.00	-3.58	-0.77	0.00	-7.44	0.00	7.44	1493.94	746.97	1571.23	786.78	4.21	-0.29	0.012
154.00	-3.45	-0.75	0.00	-5.89	0.00	5.89	1473.42	736.71	1520.76	761.51	4.33	-0.29	0.010
156.00	-3.33	-0.73	0.00	-4.38	0.00	4.38	1452.63	726.32	1470.83	736.51	4.45	-0.29	0.008
158.00	-3.21	-0.71	0.00	-2.91	0.00	2.91	1427.99	714.00	1417.89	710.00	4.58	-0.29	0.006
160.00	-3.09	-0.69	0.00	-1.49	0.00	1.49	1400.09	700.04	1362.73	682.38	4.70	-0.29	0.004
160.00	-3.09	-0.69	0.00	-1.49	0.00	1.49	679.01	339.51	662.80	396.70	4.70	-0.29	0.008
162.00	-0.19	-0.05	0.00	-0.11	0.00	0.11	679.01	339.51	662.80	396.70	4.82	-0.30	0.001
164.00	-0.06	-0.02	0.00	-0.02	0.00	0.02	679.01	339.51	662.80	396.70	4.95	-0.30	0.000
165.00	0.00	-0.02	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	5.01	-0.30	0.000

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

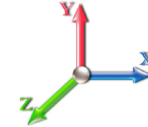
Page: 37



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	280.85	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	7.442	8.19	278.64	0.650	0.000	2.00	10.114	6.57	53.8	0.0	481.0
4.00		1.00	0.85	7.442	8.19	276.42	0.650	0.000	2.00	10.034	6.52	53.4	0.0	477.2
6.00		1.00	0.85	7.442	8.19	274.20	0.650	0.000	2.00	9.954	6.47	53.0	0.0	473.4
8.00		1.00	0.85	7.442	8.19	271.99	0.650	0.000	2.00	9.874	6.42	52.5	0.0	469.5
10.00		1.00	0.85	7.442	8.19	269.77	0.650	0.000	2.00	9.794	6.37	52.1	0.0	465.7
12.00		1.00	0.85	7.442	8.19	267.56	0.650	0.000	2.00	9.714	6.31	51.7	0.0	461.9
14.00		1.00	0.85	7.442	8.19	265.34	0.650	0.000	2.00	9.633	6.26	51.3	0.0	458.0
16.00		1.00	0.86	7.534	8.29	264.74	0.650	0.000	2.00	9.553	6.21	51.5	0.0	454.2
18.00		1.00	0.88	7.723	8.50	265.79	0.650	0.000	2.00	9.473	6.16	52.3	0.0	450.4
20.00		1.00	0.90	7.896	8.69	266.47	0.650	0.000	2.00	9.393	6.11	53.0	0.0	446.5
21.00	Bot - Section 2	1.00	0.91	7.978	8.78	266.70	0.650	0.000	1.00	4.667	3.03	26.6	0.0	221.8
22.00		1.00	0.92	8.056	8.86	266.85	0.650	0.000	1.00	4.710	3.06	27.1	0.0	444.8
24.00		1.00	0.94	8.205	9.03	266.98	0.650	0.000	2.00	9.360	6.08	54.9	0.0	883.8
26.00		1.00	0.95	8.345	9.18	266.89	0.650	0.000	2.00	9.280	6.03	55.4	0.0	876.1
28.00	Top - Section 1	1.00	0.97	8.476	9.32	266.62	0.650	0.000	2.00	9.200	5.98	55.8	0.0	868.5
30.00		1.00	0.98	8.600	9.46	269.95	0.650	0.000	2.00	9.119	5.93	56.1	0.0	433.4
32.00		1.00	1.00	8.717	9.59	269.39	0.650	0.000	2.00	9.039	5.88	56.3	0.0	429.6
34.00		1.00	1.01	8.829	9.71	268.70	0.650	0.000	2.00	8.959	5.82	56.6	0.0	425.8
36.00		1.00	1.02	8.936	9.83	267.90	0.650	0.000	2.00	8.879	5.77	56.7	0.0	421.9
38.00		1.00	1.03	9.039	9.94	266.98	0.650	0.000	2.00	8.799	5.72	56.9	0.0	418.1
40.00		1.00	1.04	9.137	10.05	265.97	0.650	0.000	2.00	8.719	5.67	57.0	0.0	414.3
42.00		1.00	1.05	9.231	10.15	264.88	0.650	0.000	2.00	8.639	5.62	57.0	0.0	410.4
44.00		1.00	1.06	9.322	10.25	263.70	0.650	0.000	2.00	8.559	5.56	57.0	0.0	406.6
46.00		1.00	1.07	9.410	10.35	262.44	0.650	0.000	2.00	8.478	5.51	57.0	0.0	402.8
48.00		1.00	1.08	9.494	10.44	261.12	0.650	0.000	2.00	8.398	5.46	57.0	0.0	398.9
50.00		1.00	1.09	9.576	10.53	259.73	0.650	0.000	2.00	8.318	5.41	57.0	0.0	395.1
52.00		1.00	1.10	9.656	10.62	258.28	0.650	0.000	2.00	8.238	5.35	56.9	0.0	391.2
54.00		1.00	1.11	9.733	10.71	256.77	0.650	0.000	2.00	8.158	5.30	56.8	0.0	387.4
56.00		1.00	1.12	9.807	10.79	255.21	0.650	0.000	2.00	8.078	5.25	56.6	0.0	383.6
58.00		1.00	1.13	9.880	10.87	253.60	0.650	0.000	2.00	7.998	5.20	56.5	0.0	379.7
60.00		1.00	1.14	9.951	10.95	251.95	0.650	0.000	2.00	7.918	5.15	56.3	0.0	375.9
62.00		1.00	1.14	10.020	11.02	250.25	0.650	0.000	2.00	7.837	5.09	56.1	0.0	372.1
64.00		1.00	1.15	10.087	11.10	248.50	0.650	0.000	2.00	7.757	5.04	55.9	0.0	368.2
65.00	Bot - Section 3	1.00	1.16	10.120	11.13	247.62	0.650	0.000	1.00	3.849	2.50	27.8	0.0	182.7
66.00		1.00	1.16	10.153	11.17	246.72	0.650	0.000	1.00	3.881	2.52	28.2	0.0	335.5
68.00		1.00	1.17	10.217	11.24	244.90	0.650	0.000	2.00	7.703	5.01	56.3	0.0	665.7
70.00		1.00	1.17	10.279	11.31	243.05	0.650	0.000	2.00	7.623	4.95	56.0	0.0	658.7
71.00	Top - Section 2	1.00	1.18	10.310	11.34	242.10	0.650	0.000	1.00	3.781	2.46	27.9	0.0	326.7
72.00		1.00	1.18	10.340	11.37	244.60	0.650	0.000	1.00	3.761	2.44	27.8	0.0	149.0
74.00		1.00	1.19	10.400	11.44	242.69	0.650	0.000	2.00	7.462	4.85	55.5	0.0	295.5
76.00		1.00	1.19	10.459	11.50	240.75	0.650	0.000	2.00	7.382	4.80	55.2	0.0	292.3
78.00		1.00	1.20	10.516	11.57	238.77	0.650	0.000	2.00	7.302	4.75	54.9	0.0	289.1
80.00		1.00	1.21	10.572	11.63	236.77	0.650	0.000	2.00	7.222	4.69	54.6	0.0	285.9
82.00		1.00	1.21	10.627	11.69	234.73	0.650	0.000	2.00	7.142	4.64	54.3	0.0	282.7
84.00		1.00	1.22	10.681	11.75	232.67	0.650	0.000	2.00	7.062	4.59	53.9	0.0	279.6
86.00		1.00	1.23	10.734	11.81	230.59	0.650	0.000	2.00	6.982	4.54	53.6	0.0	276.4

Wind Loading - Shaft

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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88.00	1.00	1.23	10.787	11.87	228.48	0.650	0.000	2.00	6.902	4.49	53.2	0.0	273.2
90.00	1.00	1.24	10.838	11.92	226.35	0.650	0.000	2.00	6.821	4.43	52.9	0.0	270.0
92.00	1.00	1.24	10.888	11.98	224.19	0.650	0.000	2.00	6.741	4.38	52.5	0.0	266.8
94.00	1.00	1.25	10.937	12.03	222.01	0.650	0.000	2.00	6.661	4.33	52.1	0.0	263.6
96.00	1.00	1.25	10.986	12.08	219.81	0.650	0.000	2.00	6.581	4.28	51.7	0.0	260.4
98.00	1.00	1.26	11.034	12.14	217.59	0.650	0.000	2.00	6.501	4.23	51.3	0.0	257.2
100.00	1.00	1.27	11.081	12.19	215.35	0.650	0.000	2.00	6.421	4.17	50.9	0.0	254.0
102.00	1.00	1.27	11.127	12.24	213.09	0.650	0.000	2.00	6.341	4.12	50.4	0.0	250.8
104.00	1.00	1.28	11.173	12.29	210.81	0.650	0.000	2.00	6.261	4.07	50.0	0.0	247.6
106.00	1.00	1.28	11.218	12.34	208.51	0.650	0.000	2.00	6.180	4.02	49.6	0.0	244.4
108.00	1.00	1.29	11.262	12.39	206.20	0.650	0.000	2.00	6.100	3.97	49.1	0.0	241.2
110.00 Bot - Section 4	1.00	1.29	11.305	12.44	203.87	0.650	0.000	2.00	6.020	3.91	48.7	0.0	238.0
112.00	1.00	1.30	11.348	12.48	201.52	0.650	0.000	2.00	6.025	3.92	48.9	0.0	425.7
114.00	1.00	1.30	11.391	12.53	199.15	0.650	0.000	2.00	5.945	3.86	48.4	0.0	419.9
115.00 Top - Section 3	1.00	1.30	11.412	12.55	197.96	0.650	0.000	1.00	2.942	1.91	24.0	0.0	207.8
116.00	1.00	1.31	11.432	12.58	199.67	0.650	0.000	1.00	2.922	1.90	23.9	0.0	92.6
118.00	1.00	1.31	11.474	12.62	197.28	0.650	0.000	2.00	5.784	3.76	47.5	0.0	183.2
120.00	1.00	1.32	11.514	12.67	194.87	0.650	0.000	2.00	5.704	3.71	47.0	0.0	180.7
122.00	1.00	1.32	11.554	12.71	192.45	0.650	0.000	2.00	5.624	3.66	46.5	0.0	178.1
124.00	1.00	1.32	11.594	12.75	190.01	0.650	0.000	2.00	5.544	3.60	46.0	0.0	175.5
126.00	1.00	1.33	11.633	12.80	187.56	0.650	0.000	2.00	5.464	3.55	45.4	0.0	173.0
128.00	1.00	1.33	11.672	12.84	185.10	0.650	0.000	2.00	5.384	3.50	44.9	0.0	170.4
130.00	1.00	1.34	11.710	12.88	182.62	0.650	0.000	2.00	5.304	3.45	44.4	0.0	167.9
132.00	1.00	1.34	11.748	12.92	180.13	0.650	0.000	2.00	5.223	3.40	43.9	0.0	165.3
134.00	1.00	1.35	11.785	12.96	177.63	0.650	0.000	2.00	5.143	3.34	43.3	0.0	162.8
136.00	1.00	1.35	11.822	13.00	175.11	0.650	0.000	2.00	5.063	3.29	42.8	0.0	160.2
138.00	1.00	1.35	11.858	13.04	172.58	0.650	0.000	2.00	4.983	3.24	42.2	0.0	157.7
140.00	1.00	1.36	11.894	13.08	170.04	0.650	0.000	2.00	4.903	3.19	41.7	0.0	155.1
142.00	1.00	1.36	11.930	13.12	167.49	0.650	0.000	2.00	4.823	3.13	41.1	0.0	152.5
144.00	1.00	1.37	11.965	13.16	164.93	0.650	0.000	2.00	4.743	3.08	40.6	0.0	150.0
146.00	1.00	1.37	12.000	13.20	162.35	0.650	0.000	2.00	4.663	3.03	40.0	0.0	147.4
148.00	1.00	1.37	12.034	13.24	159.77	0.650	0.000	2.00	4.583	2.98	39.4	0.0	144.9
150.00	1.00	1.38	12.068	13.27	157.17	0.650	0.000	2.00	4.502	2.93	38.8	0.0	142.3
152.00	1.00	1.38	12.102	13.31	154.56	0.650	0.000	2.00	4.422	2.87	38.3	0.0	139.8
154.00	1.00	1.39	12.135	13.35	151.95	0.650	0.000	2.00	4.342	2.82	37.7	0.0	137.2
156.00	1.00	1.39	12.168	13.39	149.32	0.650	0.000	2.00	4.262	2.77	37.1	0.0	134.6
158.00	1.00	1.39	12.201	13.42	146.68	0.650	0.000	2.00	4.182	2.72	36.5	0.0	132.1
160.00 Top - Section 4	1.00	1.40	12.233	13.46	144.03	0.650	0.000	2.00	4.102	2.67	35.9	0.0	129.5
162.00 Appurtenance(s)	1.00	1.40	12.265	13.49	142.03	0.600	0.000	2.00	4.000	2.40	32.4	0.0	142.6
164.00	1.00	1.40	12.297	13.53	142.22	0.600	0.000	2.00	4.000	2.40	32.5	0.0	142.6
165.00	1.00	1.41	12.313	13.54	142.31	0.600	0.000	1.00	2.000	1.20	16.3	0.0	71.3
Totals:								165.00			4,129.7		27,477.5

Discrete Appurtenance Forces

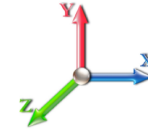
Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021	
Site Name: Ledyard South	Exposure: C		
Height: 165.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 39



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	162.00	MX06FRO660-03	6	12.265	13.492	0.70	0.80	41.22	276.00	0.000	0.000	556.09	0.00	0.00
2	162.00	VZS01	3	12.289	13.518	0.55	0.80	7.12	261.30	0.000	1.500	96.26	0.00	144.39
3	162.00	B2/B66A RRH-BR049	3	12.265	13.492	0.40	0.80	2.24	253.20	0.000	0.000	30.28	0.00	0.00
4	162.00	B5/B13 RRH-BR04C	3	12.265	13.492	0.40	0.80	2.24	210.90	0.000	0.000	30.28	0.00	0.00
5	162.00	FE-16148-OVP-B12	1	12.265	13.492	0.40	0.80	1.92	18.90	0.000	0.000	25.90	0.00	0.00
6	162.00	RMQP-463 (LPP)	1	12.265	13.492	0.00	1.00	24.80	2000.00	0.000	0.000	334.60	0.00	0.00
7	162.00	BXA-70063-6CF-EDIN-5	3	12.265	13.492	0.58	0.80	13.26	51.00	0.000	0.000	178.94	0.00	0.00
Totals:									3,071.30			1,252.34		

Total Applied Force Summary

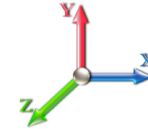
Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021	
Site Name: Ledyard South	Exposure: C		
Height: 165.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 40



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		53.82	485.45	0.00	0.00
4.00		53.39	481.61	0.00	0.00
6.00		52.96	477.78	0.00	0.00
8.00		52.54	473.94	0.00	0.00
10.00		52.11	470.11	0.00	0.00
12.00		51.69	466.27	0.00	0.00
14.00		51.26	462.44	0.00	0.00
16.00		51.46	458.60	0.00	0.00
18.00		52.31	454.77	0.00	0.00
20.00		53.03	450.93	0.00	0.00
21.00		26.62	224.03	0.00	0.00
22.00		27.13	446.98	0.00	0.00
24.00		54.91	888.20	0.00	0.00
26.00		55.37	880.53	0.00	0.00
28.00		55.75	872.86	0.00	0.00
30.00		56.07	437.83	0.00	0.00
32.00		56.34	434.00	0.00	0.00
34.00		56.56	430.16	0.00	0.00
36.00		56.73	426.33	0.00	0.00
38.00		56.86	422.49	0.00	0.00
40.00		56.96	418.66	0.00	0.00
42.00		57.02	414.82	0.00	0.00
44.00		57.04	410.99	0.00	0.00
46.00		57.04	407.15	0.00	0.00
48.00		57.01	403.32	0.00	0.00
50.00		56.95	399.48	0.00	0.00
52.00		56.87	395.65	0.00	0.00
54.00		56.77	391.82	0.00	0.00
56.00		56.64	387.98	0.00	0.00
58.00		56.50	384.15	0.00	0.00
60.00		56.33	380.31	0.00	0.00
62.00		56.15	376.48	0.00	0.00
64.00		55.95	372.64	0.00	0.00
65.00		27.85	184.88	0.00	0.00
66.00		28.18	337.68	0.00	0.00
68.00		56.27	670.09	0.00	0.00
70.00		56.02	663.06	0.00	0.00
71.00		27.87	328.89	0.00	0.00
72.00		27.81	151.16	0.00	0.00
74.00		55.49	299.93	0.00	0.00
76.00		55.20	296.73	0.00	0.00
78.00		54.91	293.54	0.00	0.00
80.00		54.59	290.34	0.00	0.00
82.00		54.27	287.15	0.00	0.00
84.00		53.93	283.95	0.00	0.00
86.00		53.59	280.76	0.00	0.00

Total Applied Force Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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88.00	53.23	277.56	0.00	0.00
90.00	52.86	274.36	0.00	0.00
92.00	52.48	271.17	0.00	0.00
94.00	52.09	267.97	0.00	0.00
96.00	51.69	264.78	0.00	0.00
98.00	51.29	261.58	0.00	0.00
100.00	50.87	258.39	0.00	0.00
102.00	50.45	255.19	0.00	0.00
104.00	50.01	251.99	0.00	0.00
106.00	49.57	248.80	0.00	0.00
108.00	49.12	245.60	0.00	0.00
110.00	48.66	242.41	0.00	0.00
112.00	48.88	430.10	0.00	0.00
114.00	48.41	424.34	0.00	0.00
115.00	24.01	210.02	0.00	0.00
116.00	23.89	94.77	0.00	0.00
118.00	47.45	187.62	0.00	0.00
120.00	46.96	185.06	0.00	0.00
122.00	46.46	182.50	0.00	0.00
124.00	45.96	179.95	0.00	0.00
126.00	45.45	177.39	0.00	0.00
128.00	44.93	174.83	0.00	0.00
130.00	44.41	172.28	0.00	0.00
132.00	43.88	169.72	0.00	0.00
134.00	43.34	167.16	0.00	0.00
136.00	42.80	164.61	0.00	0.00
138.00	42.25	162.05	0.00	0.00
140.00	41.70	159.49	0.00	0.00
142.00	41.14	156.94	0.00	0.00
144.00	40.57	154.38	0.00	0.00
146.00	40.00	151.82	0.00	0.00
148.00	39.43	149.27	0.00	0.00
150.00	38.85	146.71	0.00	0.00
152.00	38.27	144.15	0.00	0.00
154.00	37.68	141.60	0.00	0.00
156.00	37.08	139.04	0.00	0.00
158.00	36.48	136.49	0.00	0.00
160.00	35.88	133.93	0.00	0.00
162.00	(20) attachments	1284.72	3218.33	0.00
164.00		32.46	142.63	0.00
165.00		16.25	71.31	0.00
Totals:		5,382.05	30,905.20	0.00
				144.39

Calculated Forces

Structure: CT02720-S-SBA

Code: EIA/TIA-222-G

5/11/2021

Site Name: Ledyard South

Exposure: C

Height: 165.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 25

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	-30.90	-5.38	0.00	-535.72	0.00	535.72	4463.02	2231.51	10951.4	5483.88	0.00	0.000	0.000	0.105
2.00	-30.42	-5.33	0.00	-524.95	0.00	524.95	4444.18	2222.09	10818.1	5417.09	0.00	-0.009	0.000	0.104
4.00	-29.94	-5.29	0.00	-514.29	0.00	514.29	4425.06	2212.53	10684.8	5350.35	0.01	-0.019	0.000	0.103
6.00	-29.46	-5.24	0.00	-503.72	0.00	503.72	4405.68	2202.84	10551.6	5283.67	0.02	-0.029	0.000	0.102
8.00	-28.98	-5.19	0.00	-493.24	0.00	493.24	4386.04	2193.02	10418.6	5217.05	0.03	-0.038	0.000	0.101
10.00	-28.51	-5.14	0.00	-482.87	0.00	482.87	4366.13	2183.07	10285.7	5150.50	0.05	-0.048	0.000	0.100
12.00	-28.04	-5.09	0.00	-472.58	0.00	472.58	4345.95	2172.98	10152.9	5084.04	0.07	-0.057	0.000	0.099
14.00	-27.58	-5.05	0.00	-462.40	0.00	462.40	4325.51	2162.76	10020.4	5017.66	0.10	-0.067	0.000	0.099
16.00	-27.12	-5.00	0.00	-452.30	0.00	452.30	4304.81	2152.40	9888.06	4951.38	0.13	-0.077	0.000	0.098
18.00	-26.67	-4.95	0.00	-442.31	0.00	442.31	4283.84	2141.92	9755.90	4885.20	0.16	-0.086	0.000	0.097
20.00	-26.21	-4.90	0.00	-432.40	0.00	432.40	4262.60	2131.30	9623.96	4819.13	0.20	-0.096	0.000	0.096
21.00	-25.99	-4.88	0.00	-427.50	0.00	427.50	4251.88	2125.94	9558.08	4786.14	0.22	-0.101	0.000	0.095
22.00	-25.54	-4.85	0.00	-422.63	0.00	422.63	4241.09	2120.55	9492.26	4753.19	0.24	-0.106	0.000	0.095
24.00	-24.65	-4.80	0.00	-412.93	0.00	412.93	4219.33	2109.66	9360.82	4687.37	0.29	-0.116	0.000	0.094
26.00	-23.77	-4.75	0.00	-403.33	0.00	403.33	4197.29	2098.65	9229.64	4621.68	0.34	-0.126	0.000	0.093
28.00	-22.90	-4.69	0.00	-393.84	0.00	393.84	4210.19	2105.10	9306.23	4660.03	0.40	-0.135	0.000	0.090
30.00	-22.46	-4.64	0.00	-384.46	0.00	384.46	4188.05	2094.02	9175.18	4594.41	0.46	-0.145	0.000	0.089
32.00	-22.03	-4.58	0.00	-375.18	0.00	375.18	4165.64	2082.82	9044.41	4528.93	0.52	-0.155	0.000	0.088
34.00	-21.60	-4.53	0.00	-366.01	0.00	366.01	4142.96	2071.48	8913.95	4463.60	0.59	-0.164	0.000	0.087
36.00	-21.17	-4.48	0.00	-356.95	0.00	356.95	4120.02	2060.01	8783.81	4398.44	0.66	-0.174	0.000	0.086
38.00	-20.75	-4.42	0.00	-348.00	0.00	348.00	4096.81	2048.41	8654.02	4333.44	0.73	-0.184	0.000	0.085
40.00	-20.33	-4.37	0.00	-339.16	0.00	339.16	4073.34	2036.67	8524.57	4268.62	0.81	-0.193	0.000	0.084
42.00	-19.91	-4.31	0.00	-330.43	0.00	330.43	4049.60	2024.80	8395.50	4203.99	0.89	-0.203	0.000	0.084
44.00	-19.50	-4.26	0.00	-321.80	0.00	321.80	4025.60	2012.80	8266.81	4139.55	0.98	-0.212	0.000	0.083
46.00	-19.09	-4.20	0.00	-313.29	0.00	313.29	4001.33	2000.67	8138.53	4075.31	1.07	-0.222	0.000	0.082
48.00	-18.69	-4.15	0.00	-304.89	0.00	304.89	3976.80	1988.40	8010.66	4011.28	1.17	-0.232	0.000	0.081
50.00	-18.29	-4.09	0.00	-296.60	0.00	296.60	3952.00	1976.00	7883.22	3947.47	1.27	-0.241	0.000	0.080
52.00	-17.89	-4.03	0.00	-288.42	0.00	288.42	3926.93	1963.46	7756.23	3883.88	1.37	-0.251	0.000	0.079
54.00	-17.50	-3.98	0.00	-280.35	0.00	280.35	3901.60	1950.80	7629.71	3820.52	1.48	-0.261	0.000	0.078
56.00	-17.11	-3.92	0.00	-272.40	0.00	272.40	3876.00	1938.00	7503.66	3757.41	1.59	-0.270	0.000	0.077
58.00	-16.73	-3.87	0.00	-264.55	0.00	264.55	3850.14	1925.07	7378.11	3694.54	1.70	-0.280	0.000	0.076
60.00	-16.35	-3.81	0.00	-256.82	0.00	256.82	3824.01	1912.00	7253.07	3631.92	1.82	-0.290	0.000	0.075
62.00	-15.97	-3.76	0.00	-249.19	0.00	249.19	3797.62	1898.81	7128.55	3569.57	1.95	-0.300	0.000	0.074
64.00	-15.60	-3.70	0.00	-241.68	0.00	241.68	3770.96	1885.48	7004.58	3507.49	2.07	-0.309	0.000	0.073
65.00	-15.41	-3.67	0.00	-237.98	0.00	237.98	3757.53	1878.76	6942.80	3476.56	2.14	-0.314	0.000	0.073
66.00	-15.07	-3.65	0.00	-234.31	0.00	234.31	3744.03	1872.02	6881.16	3445.70	2.21	-0.319	0.000	0.072
68.00	-14.40	-3.59	0.00	-227.02	0.00	227.02	3716.84	1858.42	6758.32	3384.18	2.34	-0.329	0.000	0.071
70.00	-13.74	-3.53	0.00	-219.84	0.00	219.84	3689.38	1844.69	6636.06	3322.96	2.48	-0.339	0.000	0.070
71.00	-13.41	-3.50	0.00	-216.31	0.00	216.31	2902.90	1451.45	5283.02	2645.43	2.55	-0.343	0.000	0.086
72.00	-13.26	-3.47	0.00	-212.81	0.00	212.81	2893.55	1446.77	5237.63	2622.71	2.62	-0.348	0.000	0.086
74.00	-12.96	-3.42	0.00	-205.87	0.00	205.87	2874.64	1437.32	5147.04	2577.35	2.77	-0.359	0.000	0.084
76.00	-12.66	-3.36	0.00	-199.03	0.00	199.03	2855.47	1427.73	5056.73	2532.12	2.93	-0.371	0.000	0.083
78.00	-12.37	-3.31	0.00	-192.30	0.00	192.30	2836.03	1418.01	4966.70	2487.04	3.08	-0.382	0.000	0.082
80.00	-12.08	-3.26	0.00	-185.68	0.00	185.68	2816.32	1408.16	4876.98	2442.11	3.25	-0.393	0.000	0.080
82.00	-11.79	-3.20	0.00	-179.17	0.00	179.17	2796.35	1398.18	4787.57	2397.34	3.41	-0.404	0.000	0.079
84.00	-11.51	-3.15	0.00	-172.76	0.00	172.76	2776.12	1388.06	4698.50	2352.74	3.58	-0.415	0.000	0.078
86.00	-11.23	-3.09	0.00	-166.47	0.00	166.47	2755.61	1377.81	4609.77	2308.31	3.76	-0.426	0.000	0.076
88.00	-10.95	-3.04	0.00	-160.28	0.00	160.28	2734.85	1367.42	4521.42	2264.07	3.94	-0.437	0.000	0.075

Calculated Forces

Structure: CT02720-S-SBA **Code:** EIA/TIA-222-G 5/11/2021
Site Name: Ledyard South **Exposure:** C
Height: 165.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II Page: 43



90.00	-10.67	-2.99	0.00	-154.20	0.00	154.20	2713.81	1356.91	4433.44	2220.01	4.13	-0.448	0.000	0.073
92.00	-10.40	-2.94	0.00	-148.22	0.00	148.22	2692.52	1346.26	4345.86	2176.16	4.32	-0.459	0.000	0.072
94.00	-10.13	-2.88	0.00	-142.35	0.00	142.35	2670.95	1335.48	4258.69	2132.51	4.51	-0.470	0.000	0.071
96.00	-9.87	-2.83	0.00	-136.58	0.00	136.58	2649.12	1324.56	4171.94	2089.07	4.71	-0.481	0.000	0.069
98.00	-9.61	-2.78	0.00	-130.92	0.00	130.92	2627.03	1313.51	4085.64	2045.86	4.92	-0.491	0.000	0.068
100.00	-9.35	-2.73	0.00	-125.36	0.00	125.36	2604.67	1302.33	3999.80	2002.87	5.12	-0.502	0.000	0.066
102.00	-9.09	-2.68	0.00	-119.90	0.00	119.90	2582.04	1291.02	3914.44	1960.13	5.34	-0.513	0.000	0.065
104.00	-8.84	-2.63	0.00	-114.55	0.00	114.55	2559.15	1279.57	3829.56	1917.63	5.55	-0.523	0.000	0.063
106.00	-8.59	-2.58	0.00	-109.29	0.00	109.29	2535.99	1268.00	3745.19	1875.38	5.77	-0.534	0.000	0.062
108.00	-8.35	-2.53	0.00	-104.14	0.00	104.14	2512.57	1256.28	3661.34	1833.39	6.00	-0.544	0.000	0.060
110.00	-8.10	-2.48	0.00	-99.09	0.00	99.09	2488.88	1244.44	3578.02	1791.67	6.23	-0.555	0.000	0.059
112.00	-7.67	-2.43	0.00	-94.13	0.00	94.13	2464.93	1232.46	3495.26	1750.23	6.47	-0.565	0.000	0.057
114.00	-7.25	-2.37	0.00	-89.28	0.00	89.28	2440.71	1220.35	3413.07	1709.07	6.70	-0.575	0.000	0.055
115.00	-7.04	-2.35	0.00	-86.91	0.00	86.91	1825.70	912.85	2582.32	1293.08	6.83	-0.580	0.000	0.071
116.00	-6.95	-2.32	0.00	-84.56	0.00	84.56	1817.93	908.96	2553.51	1278.65	6.95	-0.585	0.000	0.070
118.00	-6.76	-2.28	0.00	-79.91	0.00	79.91	1802.18	901.09	2496.07	1249.89	7.19	-0.597	0.000	0.068
120.00	-6.57	-2.23	0.00	-75.36	0.00	75.36	1786.18	893.09	2438.88	1221.25	7.45	-0.608	0.000	0.065
122.00	-6.39	-2.18	0.00	-70.90	0.00	70.90	1769.90	884.95	2381.96	1192.75	7.70	-0.620	0.000	0.063
124.00	-6.21	-2.14	0.00	-66.53	0.00	66.53	1753.37	876.68	2325.32	1164.39	7.97	-0.631	0.000	0.061
126.00	-6.03	-2.09	0.00	-62.26	0.00	62.26	1736.56	868.28	2268.99	1136.18	8.23	-0.641	0.000	0.058
128.00	-5.86	-2.04	0.00	-58.09	0.00	58.09	1719.49	859.75	2212.98	1108.13	8.50	-0.652	0.000	0.056
130.00	-5.69	-2.00	0.00	-54.00	0.00	54.00	1702.16	851.08	2157.30	1080.25	8.78	-0.662	0.000	0.053
132.00	-5.52	-1.95	0.00	-50.00	0.00	50.00	1684.56	842.28	2101.96	1052.54	9.06	-0.673	0.000	0.051
134.00	-5.35	-1.91	0.00	-46.10	0.00	46.10	1666.69	833.34	2046.99	1025.02	9.34	-0.682	0.000	0.048
136.00	-5.19	-1.86	0.00	-42.28	0.00	42.28	1648.56	824.28	1992.41	997.68	9.63	-0.692	0.000	0.046
138.00	-5.02	-1.82	0.00	-38.55	0.00	38.55	1630.16	815.08	1938.21	970.55	9.92	-0.701	0.000	0.043
140.00	-4.86	-1.78	0.00	-34.91	0.00	34.91	1611.50	805.75	1884.43	943.61	10.22	-0.709	0.000	0.040
142.00	-4.71	-1.74	0.00	-31.35	0.00	31.35	1592.57	796.28	1831.07	916.90	10.52	-0.717	0.000	0.037
144.00	-4.55	-1.69	0.00	-27.88	0.00	27.88	1573.37	786.69	1778.16	890.40	10.82	-0.725	0.000	0.034
146.00	-4.40	-1.65	0.00	-24.49	0.00	24.49	1553.92	776.96	1725.70	864.13	11.13	-0.732	0.000	0.031
148.00	-4.25	-1.61	0.00	-21.18	0.00	21.18	1534.19	767.09	1673.72	838.10	11.43	-0.739	0.000	0.028
150.00	-4.11	-1.57	0.00	-17.96	0.00	17.96	1514.20	757.10	1622.22	812.32	11.74	-0.745	0.000	0.025
152.00	-3.96	-1.53	0.00	-14.81	0.00	14.81	1493.94	746.97	1571.23	786.78	12.06	-0.750	0.000	0.021
154.00	-3.82	-1.49	0.00	-11.75	0.00	11.75	1473.42	736.71	1520.76	761.51	12.37	-0.754	0.000	0.018
156.00	-3.68	-1.45	0.00	-8.76	0.00	8.76	1452.63	726.32	1470.83	736.51	12.69	-0.758	0.000	0.014
158.00	-3.55	-1.42	0.00	-5.85	0.00	5.85	1427.99	714.00	1417.89	710.00	13.01	-0.761	0.000	0.011
160.00	-3.41	-1.38	0.00	-3.02	0.00	3.02	1400.09	700.04	1362.73	682.38	13.33	-0.762	0.000	0.007
160.00	-3.41	-1.38	0.00	-3.02	0.00	3.02	679.01	339.51	662.80	396.70	13.33	-0.762	0.000	0.013
162.00	-0.21	-0.05	0.00	-0.12	0.00	0.12	679.01	339.51	662.80	396.70	13.65	-0.763	0.000	0.001
164.00	-0.07	-0.02	0.00	-0.02	0.00	0.02	679.01	339.51	662.80	396.70	13.97	-0.763	0.000	0.000
165.00	0.00	-0.02	0.00	0.00	0.00	0.00	679.01	339.51	662.80	396.70	14.13	-0.763	0.000	0.000

Final Analysis Summary

Structure: CT02720-S-SBA	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 44



Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 105 mph Wind	26.4	0.00	37.07	0.00	0.00	2635.66
0.9D + 1.6W 105 mph Wind	26.4	0.00	27.80	0.00	0.00	2619.63
1.2D + 1.0Di + 1.0Wi 50 mph Wind	6.8	0.00	55.25	0.00	0.00	650.20
1.2D + 1.0E	1.3	0.00	37.09	0.00	0.00	160.85
0.9D + 1.0E	1.3	0.00	27.81	0.00	0.00	159.74
1.0D + 1.0W 60 mph Wind	5.4	0.00	30.90	0.00	0.00	535.72

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 105 mph Wind	-37.07	-26.39	0.00	-2635.6	0.00	-2635.6	4463.02	2231.5	10951.4	5483.88	0.00	0.489
0.9D + 1.6W 105 mph Wind	-27.80	-26.38	0.00	-2619.6	0.00	-2619.6	4463.02	2231.5	10951.4	5483.88	0.00	0.484
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-55.25	-6.78	0.00	-650.20	0.00	-650.20	4463.02	2231.5	10951.4	5483.88	0.00	0.131
1.2D + 1.0E	-37.09	-1.33	0.00	-160.85	0.00	-160.85	4463.02	2231.5	10951.4	5483.88	0.00	0.038
0.9D + 1.0E	-27.81	-1.33	0.00	-159.74	0.00	-159.74	4463.02	2231.5	10951.4	5483.88	0.00	0.035
1.0D + 1.0W 60 mph Wind	-30.90	-5.38	0.00	-535.72	0.00	-535.72	4463.02	2231.5	10951.4	5483.88	0.00	0.105

Base Plate Summary

Structure: CT02720-S-SB	Code: EIA/TIA-222-G	5/11/2021
Site Name: Ledyard South	Exposure: C	
Height: 165.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 45



Reactions	Base Plate	Anchor Bolts
Original Design	Yield (ksi): 50.00	Bolt Circle: 67.00
Moment (kip-ft): 3489.00	Width (in): 73.00	Number Bolts: 18.00
Axial (kip): 34.20	Style: Round	Bolt Type: 2.00" A687
Shear (kip): 30.40	Polygon Sides: 0.00	Bolt Diameter (in): 2.00
Analysis (1.2D + 1.6W)	Clip Length (in): 0.00	Yield (ksi): 105.00
Moment (kip-ft): 2635.66	Effective Len (in): 15.33	Ultimate (ksi): 150.00
Axial (kip): 37.07	Moment (kip-in): 377.90	Arrangement: Radial
Shear (kip): 26.39	Allow Stress (ksi): 67.50	Cluster Dist (in): 0.00
	Applied Stress (ksi): 65.47	Start Angle (deg): 0.00
	Stress Ratio: 0.97	Compression
		Force (kip): 107.97
		Allowable (kip): 300.00
		Ratio: 0.37
		Tension
		Force (kip): 101.83
		Allowable (kip): 300.00
		Ratio: 0.35

	Monopole Mat Foundation Design		Date	
			5/6/2021	
	Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
	Site Name:	Ledyard South	Structure Height (Ft.):	165
	Site Number:	CT02720-S-SBA	Engineer Name:	S. Hesselbeir
	Engr. Number:	107650	Engineer Login ID:	

Foundation Info Obtained from:

Structure Type:

Analysis or Design?

Base Reactions (Factored):

Axial Load (Kips):	37.1	Shear Force (Kips):	26.4
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2635.7

Allowable overstress %: 5.0%

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	6.0
Pier Height A. G. (ft.):	0.25	Thickness of Pad (ft):	3.50
Length of Pad (ft.):	31	Width of Pad (ft.):	31

Final Length of pad (ft)	31.0	Final width of pad (ft):	31.0
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Material Properties and Rebar Info:

Concrete Strength (psi):	3500	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	6	
Qty. of Vertical Rebars:	46	Tie Spacing (in):	8.0	
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):	35	Qty. of Rebar in Pad (W):	35
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Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35
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Apply 1.35 factor for e/w Per G: 1.35

Soil Design Parameters:

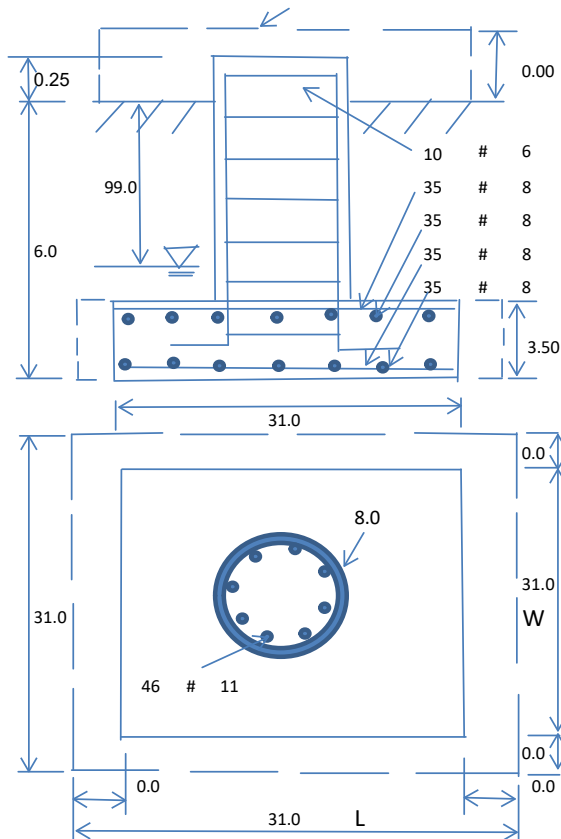
Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	50.0	Pcf
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf
Ultimate Bearing Pressure (psf):	30000	Ultimate Skin Friction:		Psf
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No	
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:	1.00	
		Angle from Top of Pad:	30	
		Angle from Bottm of Pad:	25	
		Angle from Bottm of Pad:	25	

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	2276.84	Total Dry Soil Weight (Kips):	273.22
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	273.22	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3501.73	Total Dry Concrete Weight (Kips):	525.26
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	525.26	Total Vertical Load on Base (Kips):	835.58

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):	1158	< Allowable Factored Soil Bearing (psf):	22500	0.05	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	11713.8	> Design Factored Momont (kips-ft):	2594	0.22	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	4.52				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):

1.56

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

0.44

Calculated Moment Capacity (Mn,Kips-Ft):

13273.0

>

Design Factored Moment (Mu, Kips-F

2708.3

0.20

OK!

Calculated Shear Capacity (Kips):

1149.2

>

Design Factored Shear (Kips):

26.4

0.02

OK!

Calculated Tension Capacity (Tn, Kips):

3875.0

>

Design Factored Tension (Tu Kips):

0.0

0.00

OK!

Calculated Compression Capacity (Pn, Kips):

11086.5

>

Design Factored Axial Load (Pu Kips):

37.1

0.00

OK!

Moment & Axial Strength Combination:

0.20

OK!

Check Tie Spacing (Design/Required):

0.6667

OK!

Pier Reinforcement Ratio:

0.010

Reinforcement Ratio is satisfied per ACI

(2).Concrete Pad:

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

1271.0

>

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

186.1

0.15

OK!

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

1271.0

>

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

186.1

0.15

OK!

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

1206.3

>

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

159.7

0.13

OK!

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

0.0019

OK!

Lower Steel Pad Reinf. Ratio (W-Direc

0.0019

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

4697.1

>

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

1307.1

0.28

OK!

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

4697.1

>

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

1307.1

0.28

OK!

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

6613.3

>

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

1848.5

0.28

OK!

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

0.0019

OK!

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

0.0019

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

4697.1

>

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

449.4

0.10

OK!

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

4697.1

>

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

449.4

0.10

OK!

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

6613.3

>

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

420.6

0.06

OK!

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

Moment transferred by punching shear:

1054.3

k-ft.

Max. factored shear stress v_{u_CD} :

1.5

Psi

Max. factored shear stress v_{u_AB} :

5.1

Psi

Factored shear Strength ϕv_n :

177.5

Psi

Max. factored shear stress v_u :

5.1

Psi

Check Usage of Punching Shear Capacity:

0.03

OK!



Tower Engineering Solutions, LLC

June 14, 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, Model Code: MT6407-77A manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Structural Analysis".

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

Sincerely,
Tower Engineering Solutions, LLC





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 #: 10054207
Maser Consulting Connecticut Project #: 21777103A

April 27, 2021

Site Information

Site ID: 468773-VZW / LEDYARD SOUTH CT
Site Name: LEDYARD SOUTH CT
Carrier Name: Verizon Wireless
Address: 770 Long Cove Rd
Gales Ferry, Connecticut 06335
New London County
Latitude: 41.416861°
Longitude: -72.044278°

Structure Information

Tower Type: 165-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16244638

Analysis Results

Platform: 69.5% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Conner Hoge



Digitally signed by Alec Norris
Date: 2021.04.27 14:06:39-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 1651433, dated February 12, 2021
Mount Mapping Report	Hudson Design Group LLC, Site ID: 468773, dated February 09, 2021
Previous Mount Analysis Report	Maser Consulting Project #: 21777103A, dated March 15, 2021
Mount Modification Drawings	Maser Consulting Project #: 21777103A, dated April 27, 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 : 0.992
Seismic Parameters:	S_s : 0.191 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
160.60	162.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Antel	BXA-70063-6CF	Retained

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:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o 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>13.0%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>32.0%</i>	<i>Pass</i>
<i>Platform Crossmember</i>	<i>17.0%</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>58.2%</i>	<i>Pass</i>
<i>Corner Plate</i>	<i>32.0%</i>	<i>Pass</i>
<i>Grating Support</i>	<i>19.0%</i>	<i>Pass</i>
<i>Support Rail</i>	<i>14.0%</i>	<i>Pass</i>
<i>Mount Connection</i>	<i>69.5%</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	69.5%
---	--------------

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:

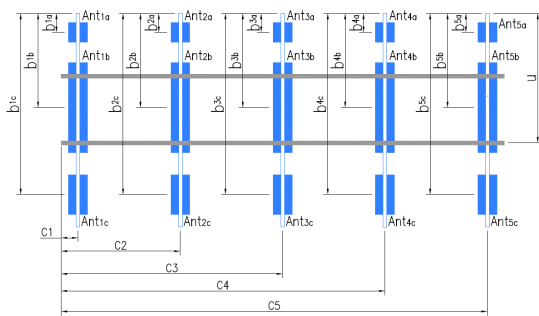
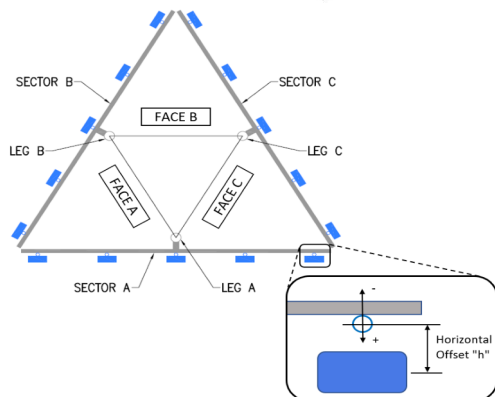
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



ECC

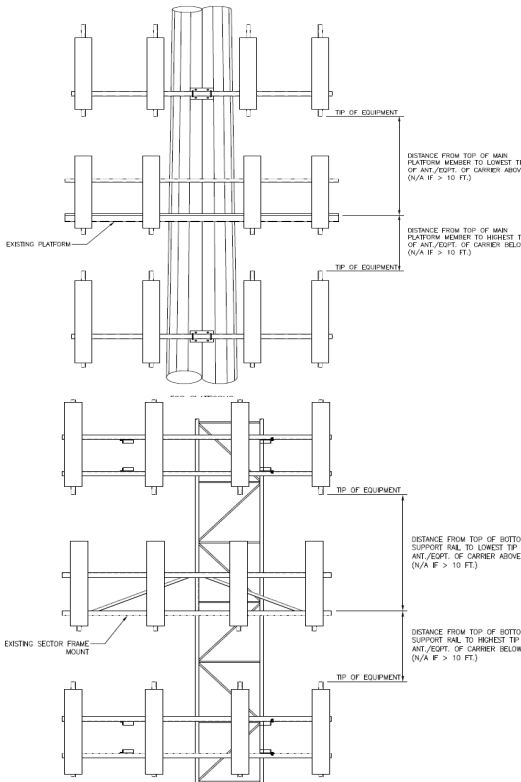
Tower Owner:	SBA	Mapping Date:	2/9/2021
Site Name:	Ledyard South CT	Tower Type:	Monopole
Site Number or ID:	468773	Tower Height (Ft.):	165
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	160.6

ANTENNA PLAN 



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"Ø STD. X 84" LONG	52.00	3.00	C1	PIPE 2"Ø STD. X 84" LONG	52.00	3.00
A2	PIPE 2"Ø STD. X 84" LONG	52.00	51.00	C2	PIPE 2"Ø STD. X 84" LONG	52.00	51.00
A3	PIPE 2"Ø STD. X 84" LONG	52.00	99.00	C3	PIPE 2"Ø STD. X 84" LONG	52.00	99.00
A4	PIPE 2"Ø STD. X 84" LONG	52.00	147.00	C4	PIPE 2"Ø STD. X 84" LONG	52.00	147.00
A5				C5			
A6				C6			
B1	PIPE 2"Ø STD. X 84" LONG	52.00	3.00	D1			
B2	PIPE 2"Ø STD. X 84" LONG	52.00	51.00	D2			
B3	PIPE 2"Ø STD. X 84" LONG	52.00	99.00	D3			
B4	PIPE 2"Ø STD. X 84" LONG	52.00	147.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
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.):				24

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B																		
Sector A:	75.00	Deg	Leg A:		Deg			Ant _{1a}																		
Sector B:	195.00	Deg	Leg B:		Deg			Ant _{1b}	BXA-70063-6CF-EDIN	11.00	5.00	71.00		161.058	46.50	9.00	195.00									
Sector C:	315.00	Deg	Leg C:		Deg			Ant _{1c}																		
Sector D:		Deg	Leg D:		Deg			Ant _{2a}																		
Climbing Facility Information								Ant _{2b}	BXA-171063-12CF-ED	6.00	4.00	72.00		161.433	42.00	8.00	195.00									
								Ant _{2c}																		
Location:	245.00	Deg	Sector B					Ant _{3a}	RRH2X40	12.00	8.00	25.00		162.808	25.50	-7.00	61									
Climbing Facility	Corrosion Type:		Good condition.					Ant _{3b}	BXA-171063-12CF-ED	6.00	4.00	72.00		161.433	42.00	8.00	195.00									
	Access:		Climbing path was unobstructed.					Ant _{3c}																		
	Condition:		Good condition.					Ant _{4a}	RRH	17.00	17.00	10.00		162.225	32.50	-7.50	62									
								Ant _{4b}	BXA-70063-6CF-EDIN	11.00	5.00	71.00		161.142	45.50	13.00	195.00	35								
								Ant _{4c}																		
								Ant _{5a}																		
								Ant _{5b}																		
								Ant _{5c}																		
																Ant on Standoff										
																Ant on Standoff										
																Ant on Tower	RRFDC-3315-PF-48	15.00	10.00	28.00			18.00	6.00		65
																Ant on Tower										
								Sector C																		
																Ant _{1a}										
																Ant _{1b}	BXA-70063-6CF-EDIN	11.00	5.00	71.00		161.058	46.50	9.00	315.00	32
																Ant _{1c}										
																Ant _{2a}										
																Ant _{2b}	BXA-171063-12CF-ED	6.00	4.00	72.00		161.433	42.00	8.00	315.00	33
																Ant _{2c}										
																Ant _{3a}	RRH2X40	12.00	8.00	25.00		162.808	25.50	-7.00	61	
																Ant _{3b}	BXA-171063-12CF-ED	6.00	4.00	72.00		161.433	42.00	8.00	315.00	34
																Ant _{3c}										
																Ant _{4a}	RRH	17.00	17.00	10.00		162.225	32.50	-7.50	62	
																Ant _{4b}	BXA-70063-6CF-EDIN	11.00	5.00	71.00		161.142	45.50	15.00	345.00	35
																Ant _{4c}										
																Ant _{5a}										
																Ant _{5b}										
																Ant _{5c}										
																Ant on Standoff										
																Ant on Standoff										
																Ant on Tower										
																Ant on Tower										
								Sector D																		
																Ant _{1a}										
																Ant _{1b}										
																Ant _{1c}										
																Ant _{2a}										
																Ant _{2b}										
																Ant _{2c}										
																Ant _{3a}										
																Ant _{3b}										
																Ant _{3c}										
																Ant _{4a}										
																Ant _{4b}										
																Ant _{4c}										
																Ant _{5a}										
																Ant _{5b}										
																Ant _{5c}										
																Ant on Standoff										
																Ant on Standoff										
																Ant on Tower										
																Ant on Tower										

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

1		
2	TOWER INFORMATION TAG (HARD TO READ)	24
3		
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.		



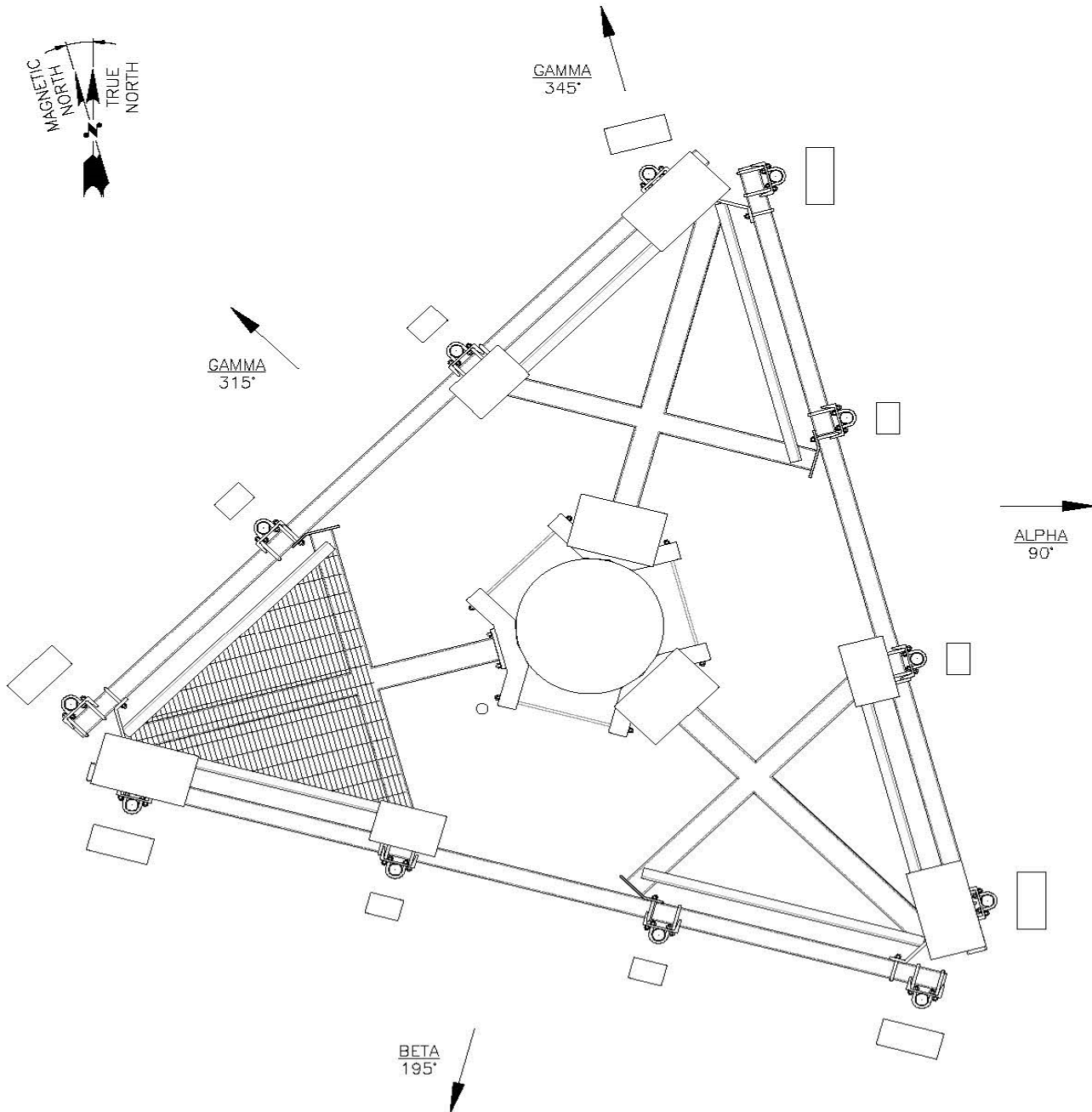
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	Mapping Date:	2/9/2021
Site Name:	Ledyard South CT	Tower Type:	Monopole
Site Number or ID:	468773	Tower Height (Ft.):	165
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	160.6

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.

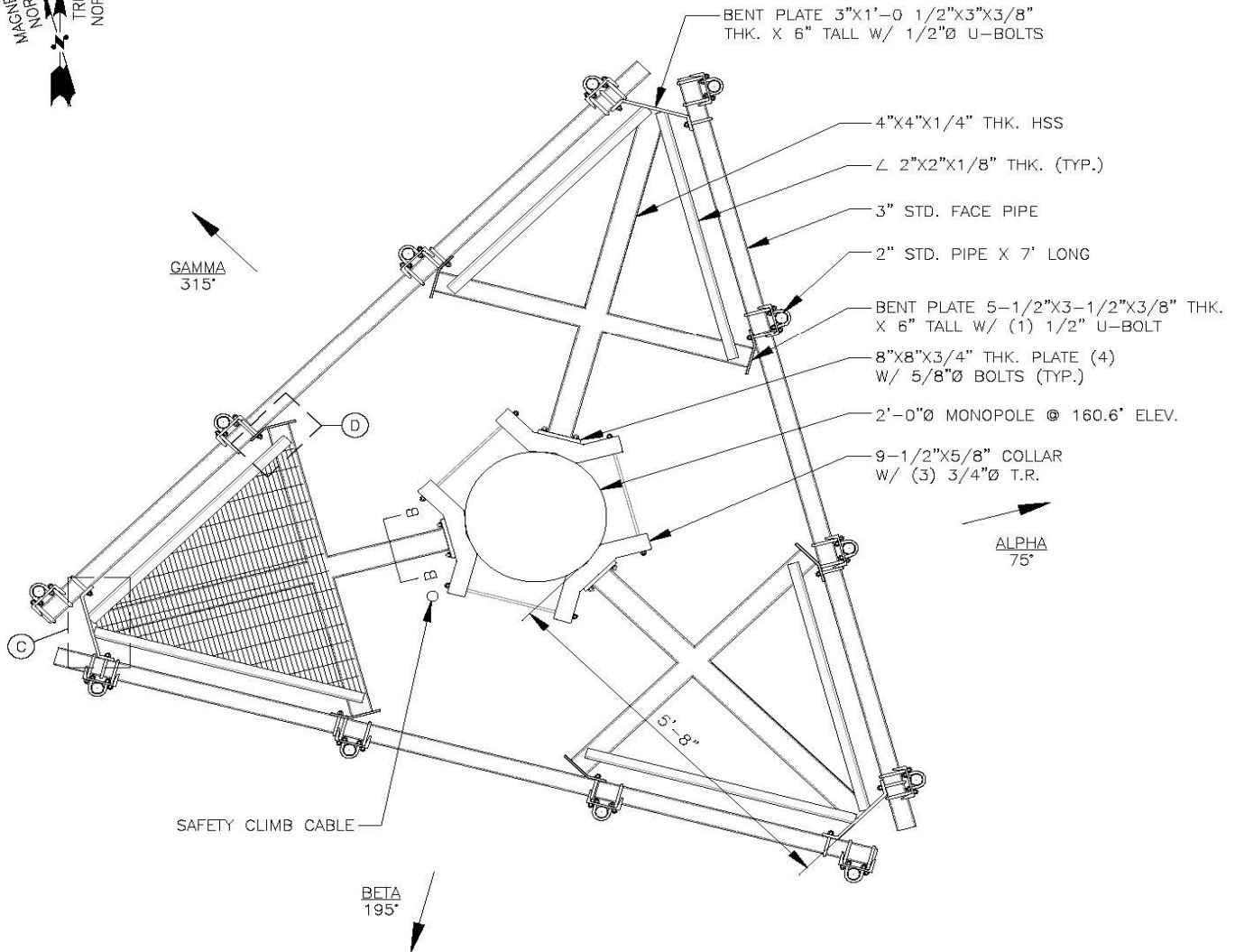
Please Insert Sketches of the Antenna Mount



ANTENNA PLAN

SCALE: N.T.S

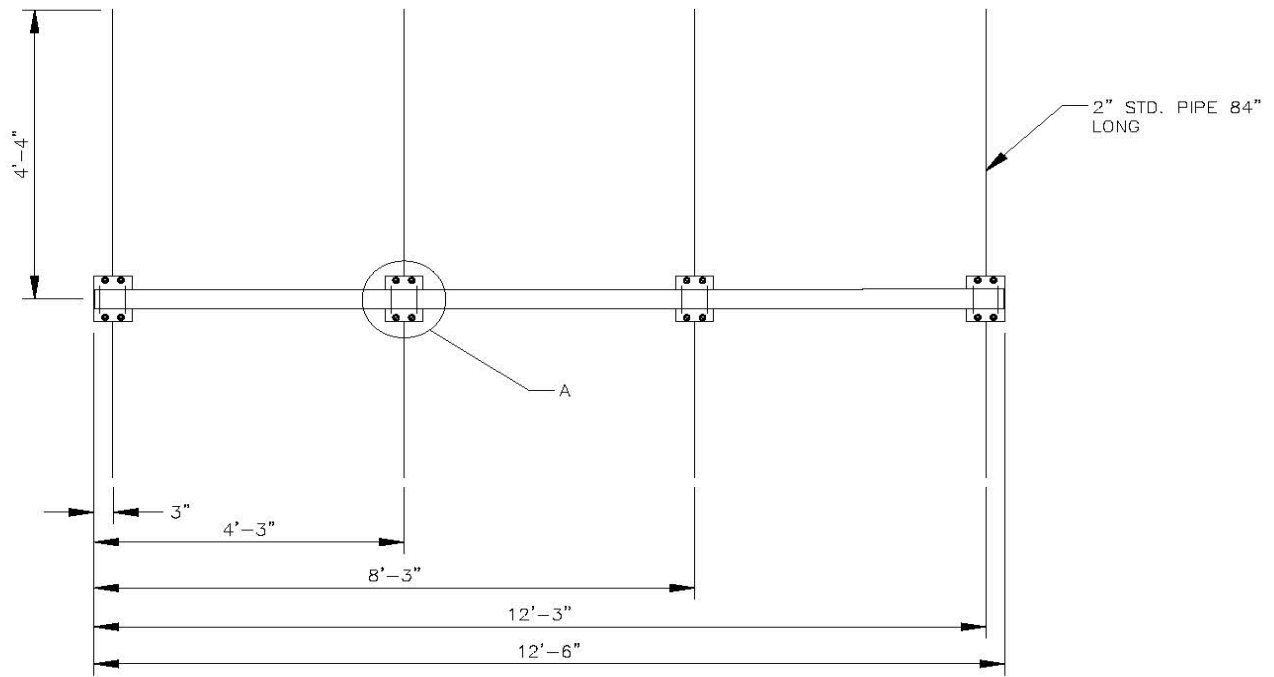
1
SK-1



MOUNT PLAN

SCALE: N.T.S

1
SK-2



MOUNT ELEVATION

SCALE: N.T.S

1
SK-3

"C" 2.5" X 6.25" X .031
X 8.25" LONG

1/2"Ø U-BOLTS (TYP.)

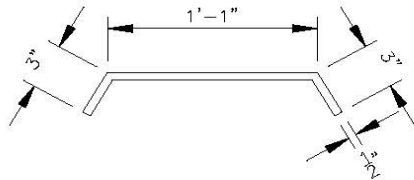
DETAIL A

10" X 10" X 5/8" THK. PLATE

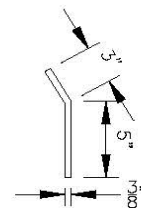
4" X 4" X 1/4" THK. HSS

(4) 5/8"Ø BOLTS

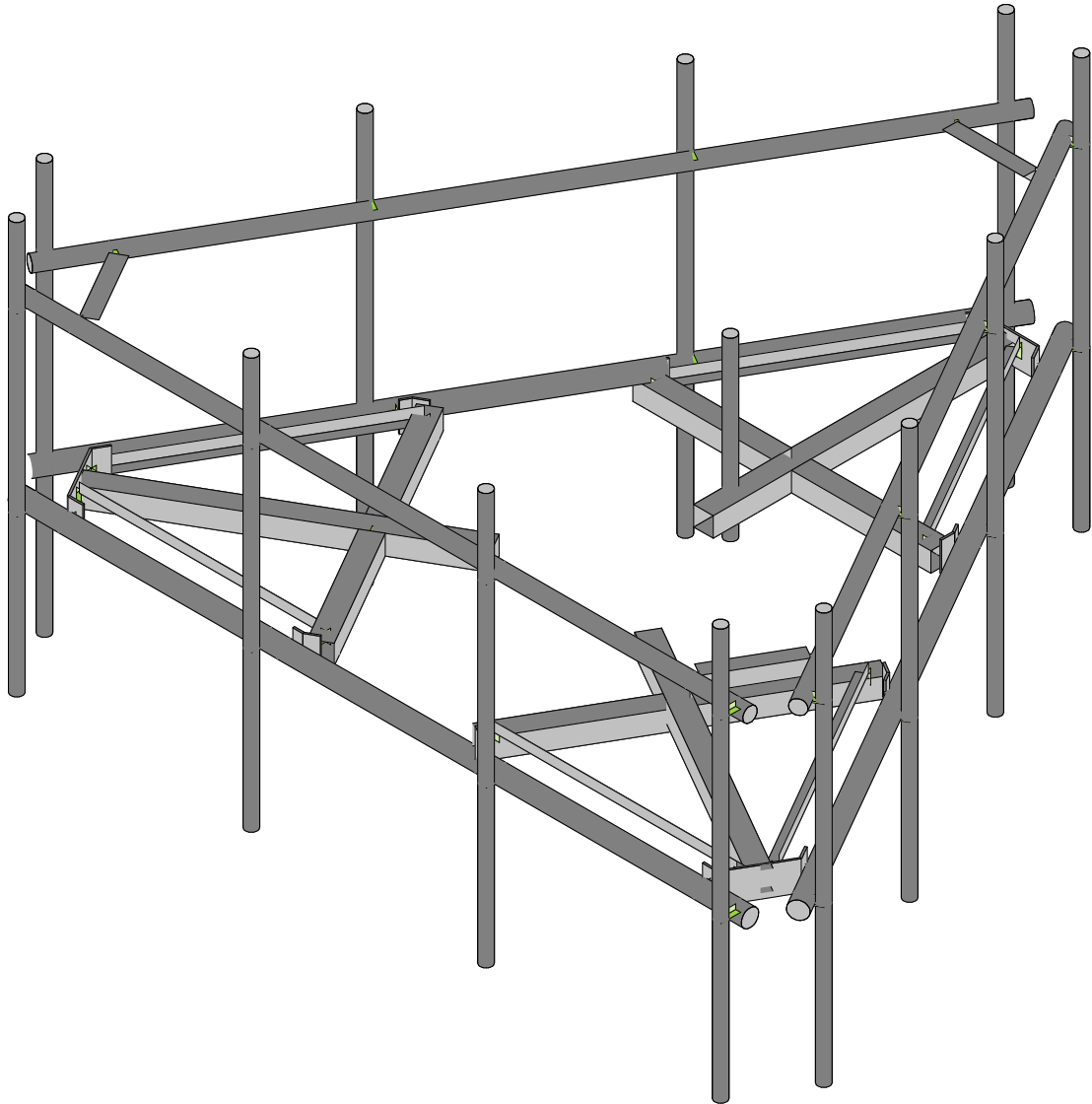
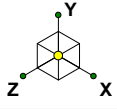
DETAIL B



DETAIL C

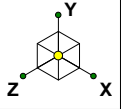


DETAIL D

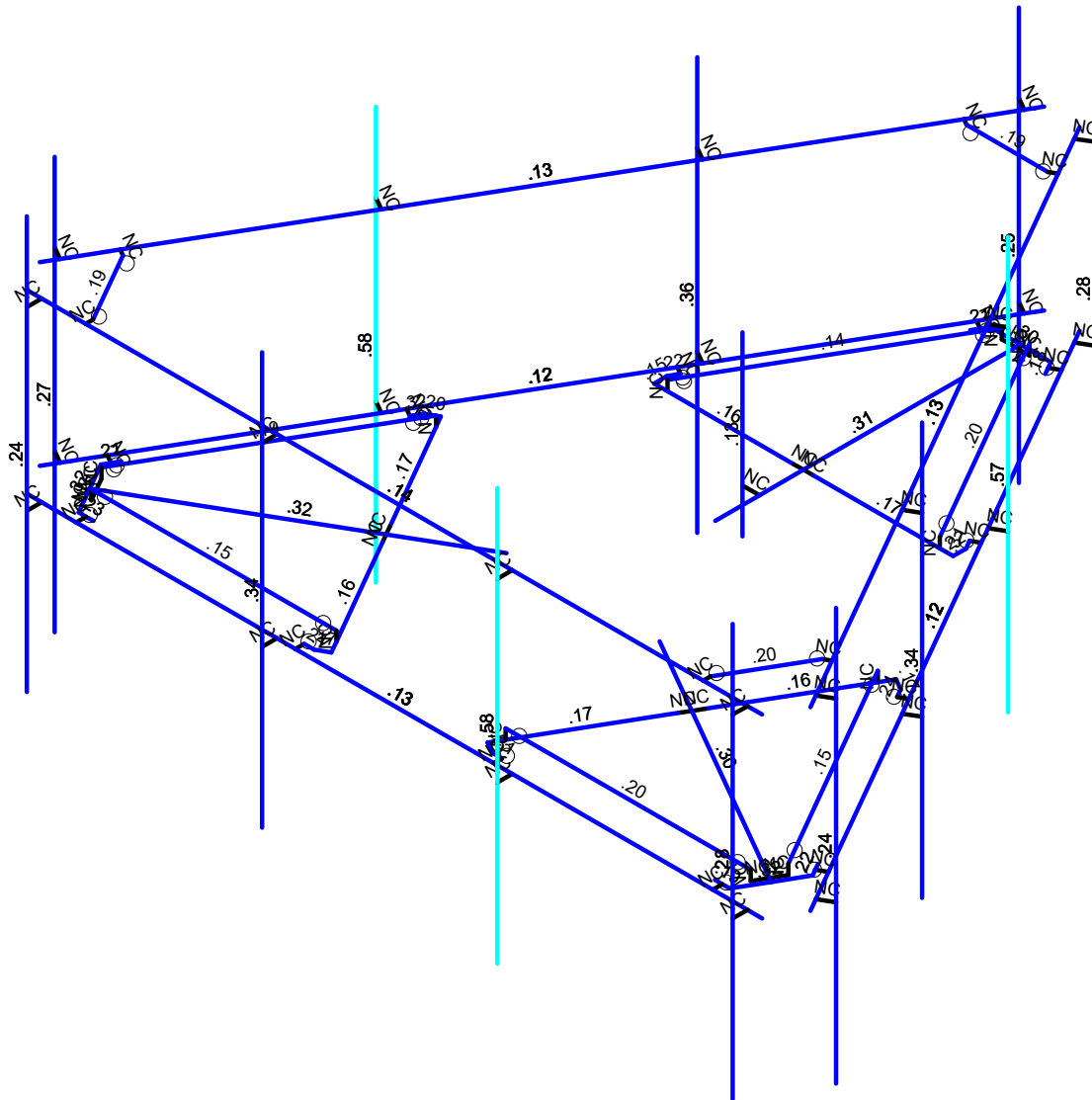


Envelope Only Solution

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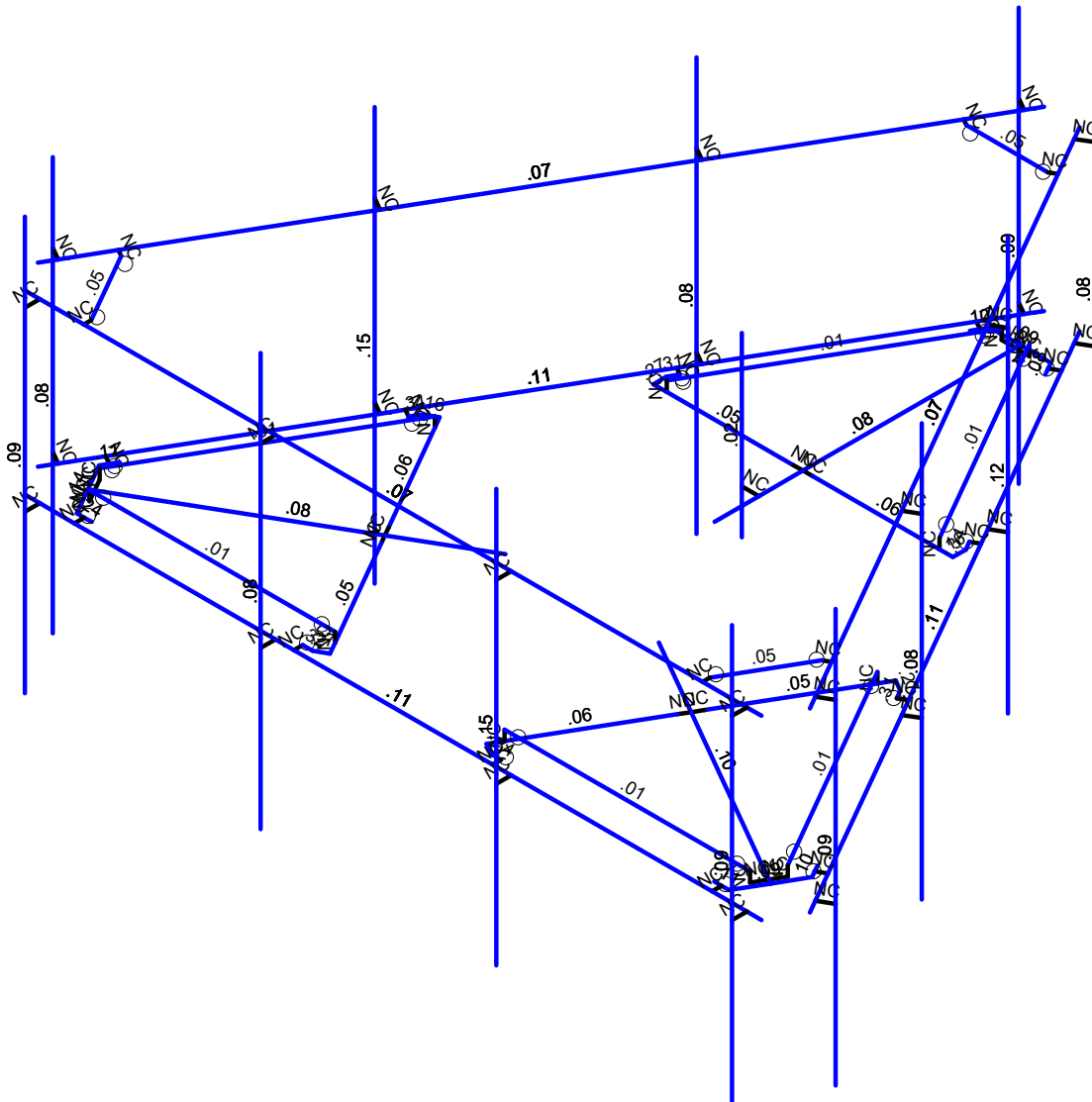
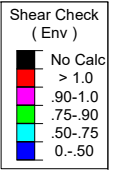
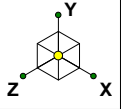


Code Check (Env)	
No Calc	> 1.0
	.90-.1.0
	.75-.90
	.50-.75
	0-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468773-VZW_MT_LO_H	SK - 2
		Apr 22, 2021 at 5:30 PM
Project No. 10054207		Mod_468773-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting

Project No. 10054207

468773-VZW_MT_LO_H

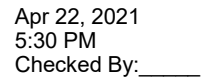
SK - 3

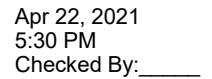
Apr 22, 2021 at 5:30 PM

Mod_468773-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					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		





Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
15	N30	-2.315104	0	-3	0	
16	N101	2.541667	0	-3	0	
17	N102	-0.166667	0	-3	0	
18	N103A	0.166667	0	-3	0	
19	N104A	-2.541667	0	-3.21875	0	
20	N105	2.541667	0	-3.21875	0	
21	N131	2.458333	0	-3.363088	0	
22	N144	-2.458333	0	-3.363088	0	
23	N86A	2.584629	0	-3.436004	0	
24	N86B	-2.584629	0	-3.436004	0	
25	N86C	-0.515625	0	-6.6875	0	
26	N87A	0.515625	0	-6.6875	0	
27	N88A	-0.	0	-6.604167	0	
28	N87C	0.234238	0.166667	-6.604167	0	
29	N86G	0.234238	0	-6.604167	0	
30	N87B	-0.234238	0.166667	-6.604167	0	
31	N88C	-0.234238	0	-6.604167	0	
32	N87D	-1.299038	0	0.75	0	
33	N88B	-1.327243	0	3.701148	0	
34	N89	-3.755628	0.166667	-0.504939	0	
35	N90	-1.440524	0.166667	3.504939	0	
36	N91	-2.598076	0	1.5	0	
37	N92	-5.791545	0	3.34375	0	
38	N93	-3.755628	0	-0.504939	0	
39	N94	-1.440524	0	3.504939	0	
40	N95	-3.86891	0	-0.701148	0	
41	N96	-2.514743	0	1.644338	0	
42	N97	-2.68141	0	1.355662	0	
43	N98	-1.516686	0	3.810523	0	
44	N99	-4.058353	0	-0.591773	0	
45	N100	-4.141686	0	-0.447435	0	
46	N102A	-1.683353	0	3.810523	0	
47	N104	-4.267982	0	-0.520352	0	
48	N105A	-1.683353	0	3.956357	0	
49	N106	-5.533732	0	3.790294	0	
50	N107	-6.049357	0	2.897206	0	
51	N110	-5.719376	0	3.302083	0	
52	N111	-5.836495	0.166667	3.099228	0	
53	N112	-5.836495	0	3.099228	0	
54	N113	-5.602257	0.166667	3.504939	0	
55	N114	-5.602257	0	3.504939	0	
56	N115	1.299038	0	0.75	0	
57	N116	3.86891	0	-0.701148	0	
58	N117	1.440524	0.166667	3.504939	0	
59	N118	3.755628	0.166667	-0.504939	0	
60	N119	2.598076	0	1.5	0	
61	N120	5.791545	0	3.34375	0	
62	N121	1.440524	0	3.504939	0	
63	N122	3.755628	0	-0.504939	0	
64	N123	1.327243	0	3.701148	0	
65	N124	2.68141	0	1.355662	0	
66	N125	2.514743	0	1.644338	0	
67	N126	4.058353	0	-0.591773	0	
68	N127	1.516686	0	3.810523	0	
69	N128	1.683353	0	3.810523	0	
70	N129	5.408732	0	3.790294	0	
71	N130	4.141686	0	-0.447435	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
72	N132	1.683353	0	3.956357	0	
73	N133	4.267982	0	-0.520352	0	
74	N134	6.049357	0	2.897206	0	
75	N135A	5.533732	0	3.790294	0	
76	N136	5.408732	0	3.956357	0	
77	N138	5.719376	0	3.302083	0	
78	N139	5.602257	0.166667	3.504939	0	
79	N140	5.602257	0	3.504939	0	
80	N141	5.836495	0.166667	3.099228	0	
81	N142	5.836495	0	3.099228	0	
82	N140B	5.283753	0	3.790294	0	
83	N196	-0.	0	-2.25	0	
84	N198	-0.291667	0	-2.25	0	
85	N196A	-0.291667	2.25	-2.25	0	
86	N198A	-0.291667	-.75	-2.25	0	
87	N91A	-5.408732	0	3.790294	0	
88	N93A	-5.408732	0	3.956357	0	
89	N94A	-5.283753	0	3.790294	0	
90	N95A	0.578125	0	-6.579247	0	
91	N97A	0.721939	0	-6.662278	0	
92	N98A	0.640615	0	-6.471012	0	
93	N99A	5.986857	0	2.788952	0	
94	N100A	6.130672	0	2.705921	0	
95	N101A	5.924368	0	2.680717	0	
96	N103	-5.986857	0	2.788952	0	
97	N105C	-6.130672	0	2.705921	0	
98	N106A	-5.924368	0	2.680717	0	
99	N107A	-0.578125	0	-6.579247	0	
100	N108	-0.721939	0	-6.662278	0	
101	N109	-0.640615	0	-6.471012	0	
102	N102B	0.301305	0	-7.390837	0	
103	N103B	6.551305	0	3.43448	0	
104	N104B	-6.551305	0	3.43448	0	
105	N105B	-0.301305	0	-7.390837	0	
106	N106B	2	0	3.956357	0	
107	N107B	2	0	4.206357	0	
108	N108A	2	-2.666667	4.206357	0	
109	N109A	2	4.333333	4.206357	0	
110	N110A	-2	0	3.956357	0	
111	N111A	-2	0	4.206357	0	
112	N112A	-2	-2.666667	4.206357	0	
113	N113A	-2	4.333333	4.206357	0	
114	N114A	-6	0	3.956357	0	
115	N115A	-6	0	4.206357	0	
116	N116A	-6	-2.666667	4.206357	0	
117	N117A	-6	4.333333	4.206357	0	
118	N118A	0.426305	0	-7.174331	0	
119	N119A	0.642812	0	-7.299331	0	
120	N120A	0.642812	-2.666667	-7.299331	0	
121	N121A	0.642812	4.333333	-7.299331	0	
122	N122A	2.426305	0	-3.710229	0	
123	N123A	2.642812	0	-3.835229	0	
124	N124A	2.642812	-2.666667	-3.835229	0	
125	N125A	2.642812	4.333333	-3.835229	0	
126	N126A	4.426305	0	-0.246127	0	
127	N127A	4.642812	0	-0.371127	0	
128	N128A	4.642812	-2.666667	-0.371127	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
129	N129A	4.642812	4.333333	-0.371127	0	
130	N130A	6.426305	0	3.217974	0	
131	N131A	6.642812	0	3.092974	0	
132	N132A	6.642812	-2.666667	3.092974	0	
133	N133A	6.642812	4.333333	3.092974	0	
134	N134A	-6.426305	0	3.217974	0	
135	N135	-6.642812	0	3.092974	0	
136	N136A	-6.642812	-2.666667	3.092974	0	
137	N137	-6.642812	4.333333	3.092974	0	
138	N138A	-4.426305	0	-0.246127	0	
139	N139A	-4.642812	0	-0.371127	0	
140	N140A	-4.642812	-2.666667	-0.371127	0	
141	N141A	-4.642812	4.333333	-0.371127	0	
142	N142A	-2.426305	0	-3.710229	0	
143	N143	-2.642812	0	-3.835229	0	
144	N144A	-2.642812	-2.666667	-3.835229	0	
145	N145	-2.642812	4.333333	-3.835229	0	
146	N146	-0.426305	0	-7.174331	0	
147	N147	-0.642812	0	-7.299331	0	
148	N148	-0.642812	-2.666667	-7.299331	0	
149	N149	-0.642812	4.333333	-7.299331	0	
150	N150	-6.551305	3	3.43448	0	
151	N151	-0.301305	3	-7.390837	0	
152	N152	-6.426305	3	3.217974	0	
153	N153	-6.642812	3	3.092974	0	
154	N154	-4.426305	3	-0.246127	0	
155	N155	-4.642812	3	-0.371127	0	
156	N156	-2.426305	3	-3.710229	0	
157	N157	-2.642812	3	-3.835229	0	
158	N158	-0.426305	3	-7.174331	0	
159	N159	-0.642812	3	-7.299331	0	
160	N161	6.25	3	3.956357	0	
161	N162	-6.25	3	3.956357	0	
162	N163	6	3	3.956357	0	
163	N164	6	3	4.206357	0	
164	N165	2	3	3.956357	0	
165	N166	2	3	4.206357	0	
166	N167	-2	3	3.956357	0	
167	N168	-2	3	4.206357	0	
168	N169	-6	3	3.956357	0	
169	N170	-6	3	4.206357	0	
170	N172	0.301305	3	-7.390837	0	
171	N173	6.551305	3	3.43448	0	
172	N174	0.426305	3	-7.174331	0	
173	N175	0.642812	3	-7.299331	0	
174	N176	2.426305	3	-3.710229	0	
175	N177	2.642812	3	-3.835229	0	
176	N178	4.426305	3	-0.246127	0	
177	N179	4.642812	3	-0.371127	0	
178	N180	6.426305	3	3.217974	0	
179	N181	6.642812	3	3.092974	0	
180	N180A	5.25	3	3.956357	0	
181	N181A	5.25	3	3.831357	0	
182	N182	-5.25	3	3.956357	0	
183	N183	-5.25	3	3.831357	0	
184	N184	0.801305	3	-6.524812	0	
185	N185	0.693052	3	-6.462312	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
186	N186	6.051305	3	2.568455	0	
187	N187	5.943052	3	2.630955	0	
188	N188	-6.051305	3	2.568455	0	
189	N189	-5.943052	3	2.630955	0	
190	N190	-0.801305	3	-6.524812	0	
191	N191	-0.693052	3	-6.462312	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 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Mod Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Mod Support rail corner ...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60
7	A1085	29000	11154	.3	.65	.49	50	1.4	65
8	Q235	29000	11154	.3	.65	.49	35	1.5	58

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
3	M10	N101	N103A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	MP1A	N23	N22			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
7	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
18	M84	N5	N104A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
19	M85	N104A	N144			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
20	M88	N144	N86B			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
21	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
22	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
23	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
24	M52A	N87D	N92			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
25	M53	N95	N97			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
26	M54	N96	N88B			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
27	M55	N106	N107			Corner Plate	Beam	RECT	A36 Gr.36	Typical
28	M56	N90	N94			RIGID	None	None	RIGID	Typical
29	M57	N89	N93			RIGID	None	None	RIGID	Typical
30	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
31	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M60	N113	N114			RIGID	None	None	RIGID	Typical
33	M61	N96	N91			RIGID	None	None	RIGID	Typical
34	M62	N91	N97			RIGID	None	None	RIGID	Typical
35	M63	N95	N99			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
36	M64	N99	N100			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
37	M65	N100	N104			RIGID	None	None	RIGID	Typical
38	M68	N88B	N98			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
39	M69	N98	N102A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
40	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
41	M73	N114	N110			RIGID	None	None	RIGID	Typical
42	M74	N110	N112			RIGID	None	None	RIGID	Typical
43	M75	N111	N112			RIGID	None	None	RIGID	Typical
44	M76A	N115	N120			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
45	M77A	N123	N125			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
46	M78	N124	N116			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
47	M79A	N134	N135A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
48	M80A	N118	N122			RIGID	None	None	RIGID	Typical
49	M81	N117	N121			RIGID	None	None	RIGID	Typical
50	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
51	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
52	M84A	N141	N142			RIGID	None	None	RIGID	Typical
53	M85A	N124	N119			RIGID	None	None	RIGID	Typical
54	M86	N119	N125			RIGID	None	None	RIGID	Typical
55	M87	N123	N127			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
56	M88A	N127	N128			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
57	M89	N128	N132			RIGID	None	None	RIGID	Typical
58	M90	N135A	N140B			Corner Plate	Beam	RECT	A36 Gr.36	Typical
59	M91A	N129	N136			RIGID	None	None	RIGID	Typical
60	M92A	N116	N126			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
61	M93	N126	N130			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
62	M94	N130	N133			RIGID	None	None	RIGID	Typical
63	M97	N142	N138			RIGID	None	None	RIGID	Typical
64	M98	N138	N140			RIGID	None	None	RIGID	Typical
65	M99	N139	N140			RIGID	None	None	RIGID	Typical
66	M127	N198	N196			RIGID	None	None	RIGID	Typical
67	OVP	N196A	N198A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
68	M70A	N106	N94A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
69	M71	N91A	N93A			RIGID	None	None	RIGID	Typical
70	M72	N87A	N98A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
71	M73A	N95A	N97A			RIGID	None	None	RIGID	Typical
72	M74A	N134	N101A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
73	M75A	N99A	N100A			RIGID	None	None	RIGID	Typical
74	M76B	N107	N106A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
75	M77B	N103	N105C			RIGID	None	None	RIGID	Typical
76	M78A	N86C	N109			Corner Plate	Beam	RECT	A36 Gr.36	Typical
77	M79B	N107A	N108			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	M78B	N102B	N103B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
79	M79C	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
80	M80	N106B	N107B			RIGID	None	None	RIGID	Typical
81	MP2A	N109A	N108A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
82	M82A	N110A	N111A			RIGID	None	None	RIGID	Typical
83	MP3A	N113A	N112A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
84	M84B	N114A	N115A			RIGID	None	None	RIGID	Typical
85	MP4A	N117A	N116A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
86	M86A	N118A	N119A			RIGID	None	None	RIGID	Typical
87	MP1C	N121A	N120A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
88	M88B	N122A	N123A			RIGID	None	None	RIGID	Typical
89	MP2C	N125A	N124A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
90	M90A	N126A	N127A			RIGID	None	None	RIGID	Typical
91	MP3C	N129A	N128A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
92	M92	N130A	N131A			RIGID	None	None	RIGID	Typical
93	MP4C	N133A	N132A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
94	M94A	N134A	N135			RIGID	None	None	RIGID	Typical
95	MP1B	N137	N136A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
96	M96	N138A	N139A			RIGID	None	None	RIGID	Typical
97	MP2B	N141A	N140A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
98	M98A	N142A	N143			RIGID	None	None	RIGID	Typical
99	MP3B	N145	N144A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
100	M100	N146	N147			RIGID	None	None	RIGID	Typical
101	MP4B	N149	N148			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
102	M102	N150	N151			Mod Support Rail	Beam	Pipe	A53 Gr.B	Typical
103	M103	N152	N153			RIGID	None	None	RIGID	Typical
104	M104	N154	N155			RIGID	None	None	RIGID	Typical
105	M105	N156	N157			RIGID	None	None	RIGID	Typical
106	M106	N158	N159			RIGID	None	None	RIGID	Typical
107	M107	N161	N162			Mod Support Rail	Beam	Pipe	A53 Gr.B	Typical
108	M108	N163	N164			RIGID	None	None	RIGID	Typical
109	M109	N165	N166			RIGID	None	None	RIGID	Typical
110	M110	N167	N168			RIGID	None	None	RIGID	Typical
111	M111	N169	N170			RIGID	None	None	RIGID	Typical
112	M112	N172	N173			Mod Support Rail	Beam	Pipe	A53 Gr.B	Typical
113	M113	N174	N175			RIGID	None	None	RIGID	Typical
114	M114	N176	N177			RIGID	None	None	RIGID	Typical
115	M115	N178	N179			RIGID	None	None	RIGID	Typical
116	M116	N180	N181			RIGID	None	None	RIGID	Typical
117	M117	N180A	N181A			RIGID	None	None	RIGID	Typical
118	M118	N182	N183			RIGID	None	None	RIGID	Typical
119	M119	N184	N185			RIGID	None	None	RIGID	Typical
120	M120	N186	N187			RIGID	None	None	RIGID	Typical
121	M121	N188	N189			RIGID	None	None	RIGID	Typical
122	M122	N190	N191			RIGID	None	None	RIGID	Typical
123	M123	N181A	N187		180	Mod Support rail corner ...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N185	N191		180	Mod Support rail corner ...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N189	N183		180	Mod Support rail corner ...	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						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...
5	MP1A						Yes	Default			None
6	M43						Yes	Default			None
7	M46						Yes	Default			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M51B	OOOOOX	OOOOOX				Yes	Default			None
11	M52B	OOOOOX	OOOOOX				Yes	Default			None
12	M52						Yes	** NA **			None
13	M58						Yes	** NA **			None
14	M59						Yes	** NA **			None
15	M76						Yes				None
16	M77						Yes				None
17	M79		BenPIN				Yes	** NA **			None
18	M84						Yes				None
19	M85						Yes				None
20	M88		BenPIN				Yes	** NA **			None
21	M50						Yes	** NA **			None
22	M51						Yes	** NA **			None
23	M51A						Yes	** NA **			None
24	M52A						Yes				None
25	M53						Yes	Default			None
26	M54						Yes	Default			None
27	M55						Yes	Default			None
28	M56						Yes	** NA **			None
29	M57						Yes	** NA **			None
30	M58A	OOOOOX	OOOOOX				Yes	Default			None
31	M59A	OOOOOX	OOOOOX				Yes	Default			None
32	M60						Yes	** NA **			None
33	M61						Yes	** NA **			None
34	M62						Yes	** NA **			None
35	M63						Yes				None
36	M64						Yes				None
37	M65		BenPIN				Yes	** NA **			None
38	M68						Yes				None
39	M69						Yes				None
40	M70		BenPIN				Yes	** NA **			None
41	M73						Yes	** NA **			None
42	M74						Yes	** NA **			None
43	M75						Yes	** NA **			None
44	M76A						Yes				None
45	M77A						Yes	Default			None
46	M78						Yes	Default			None
47	M79A						Yes	Default			None
48	M80A						Yes	** NA **			None
49	M81						Yes	** NA **			None
50	M82	OOOOOX	OOOOOX				Yes	Default			None
51	M83A	OOOOOX	OOOOOX				Yes	Default			None
52	M84A						Yes	** NA **			None
53	M85A						Yes	** NA **			None
54	M86						Yes	** NA **			None
55	M87						Yes				None
56	M88A						Yes	Default			None
57	M89		BenPIN				Yes	** NA **			None
58	M90						Yes	Default			None
59	M91A		OOOOOO				Yes	** NA **			None
60	M92A						Yes				None
61	M93						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...
62	M94		BenPIN				Yes	** NA **			None
63	M97						Yes	** NA **			None
64	M98						Yes	** NA **			None
65	M99						Yes	** NA **			None
66	M127						Yes	** NA **			None
67	OVP						Yes				None
68	M70A						Yes	Default			None
69	M71		000000				Yes	** NA **			None
70	M72						Yes	Default			None
71	M73A		000000				Yes	** NA **			None
72	M74A						Yes	Default			None
73	M75A		000000				Yes	** NA **			None
74	M76B						Yes	Default			None
75	M77B		000000				Yes	** NA **			None
76	M78A						Yes	Default			None
77	M79B		000000				Yes	** NA **			None
78	M78B						Yes	Default			None
79	M79C						Yes	Default			None
80	M80						Yes	** NA **			None
81	MP2A						Yes	Default			None
82	M82A						Yes	** NA **			None
83	MP3A						Yes	Default			None
84	M84B						Yes	** NA **			None
85	MP4A						Yes	Default			None
86	M86A						Yes	** NA **			None
87	MP1C						Yes	Default			None
88	M88B						Yes	** NA **			None
89	MP2C						Yes	Default			None
90	M90A						Yes	** NA **			None
91	MP3C						Yes	Default			None
92	M92						Yes	** NA **			None
93	MP4C						Yes	Default			None
94	M94A						Yes	** NA **			None
95	MP1B						Yes	Default			None
96	M96						Yes	** NA **			None
97	MP2B						Yes	Default			None
98	M98A						Yes	** NA **			None
99	MP3B						Yes	Default			None
100	M100						Yes	** NA **			None
101	MP4B						Yes	Default			None
102	M102						Yes	Default			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	Default			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	Default			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117	00000X					Yes	** NA **			None
118	M118	00000X					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...
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123						Yes				None
124	M124						Yes				None
125	M125						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-30	1.5
2	MP2A	My	-.015	1.5
3	MP2A	Mz	.021	1.5
4	MP2A	Y	-30	6.5
5	MP2A	My	-.015	6.5
6	MP2A	Mz	.021	6.5
7	MP2B	Y	-30	1.5
8	MP2B	My	-.018	1.5
9	MP2B	Mz	-.018	1.5
10	MP2B	Y	-30	6.5
11	MP2B	My	-.018	6.5
12	MP2B	Mz	-.018	6.5
13	MP2C	Y	-30	1.5
14	MP2C	My	.026	1.5
15	MP2C	Mz	-.002	1.5
16	MP2C	Y	-30	6.5
17	MP2C	My	.026	6.5
18	MP2C	Mz	-.002	6.5
19	MP2A	Y	-30	1.5
20	MP2A	My	-.015	1.5
21	MP2A	Mz	-.021	1.5
22	MP2A	Y	-30	6.5
23	MP2A	My	-.015	6.5
24	MP2A	Mz	-.021	6.5
25	MP2B	Y	-30	1.5
26	MP2B	My	.024	1.5
27	MP2B	Mz	-.011	1.5
28	MP2B	Y	-30	6.5
29	MP2B	My	.024	6.5
30	MP2B	Mz	-.011	6.5
31	MP2C	Y	-30	1.5
32	MP2C	My	-.015	1.5
33	MP2C	Mz	.021	1.5
34	MP2C	Y	-30	6.5
35	MP2C	My	-.015	6.5
36	MP2C	Mz	.021	6.5
37	MP4A	Y	-43.55	3.25
38	MP4A	My	-.022	3.25
39	MP4A	Mz	0	3.25
40	MP4A	Y	-43.55	4.75
41	MP4A	My	-.022	4.75
42	MP4A	Mz	0	4.75
43	MP4B	Y	-43.55	3.25
44	MP4B	My	.004	3.25
45	MP4B	Mz	-.021	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP4B	Y	-43.55	4.75
47	MP4B	My	.004	4.75
48	MP4B	Mz	-.021	4.75
49	MP4C	Y	-43.55	3.25
50	MP4C	My	.014	3.25
51	MP4C	Mz	.017	3.25
52	MP4C	Y	-43.55	4.75
53	MP4C	My	.014	4.75
54	MP4C	Mz	.017	4.75
55	MP1A	Y	-8.5	1.25
56	MP1A	My	-.004	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-8.5	6.75
59	MP1A	My	-.004	6.75
60	MP1A	Mz	0	6.75
61	MP1B	Y	-8.5	1.25
62	MP1B	My	.000738	1.25
63	MP1B	Mz	-.004	1.25
64	MP1B	Y	-8.5	6.75
65	MP1B	My	.000738	6.75
66	MP1B	Mz	-.004	6.75
67	MP1C	Y	-8.5	1.25
68	MP1C	My	.001	1.25
69	MP1C	Mz	.004	1.25
70	MP1C	Y	-8.5	6.75
71	MP1C	My	.001	6.75
72	MP1C	Mz	.004	6.75
73	MP2A	Y	-84.4	3
74	MP2A	My	.042	3
75	MP2A	Mz	-.004	3
76	MP2B	Y	-84.4	3
77	MP2B	My	-.007	3
78	MP2B	Mz	.042	3
79	MP2C	Y	-84.4	3
80	MP2C	My	-.027	3
81	MP2C	Mz	-.032	3
82	MP3A	Y	-70.3	3
83	MP3A	My	.035	3
84	MP3A	Mz	-.003	3
85	MP3B	Y	-70.3	3
86	MP3B	My	-.006	3
87	MP3B	Mz	.035	3
88	MP3C	Y	-70.3	3
89	MP3C	My	-.023	3
90	MP3C	Mz	-.027	3
91	OVP	Y	-32	1
92	OVP	My	0	1
93	OVP	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-83.901	1.5
2	MP2A	My	-.042	1.5
3	MP2A	Mz	.059	1.5
4	MP2A	Y	-83.901	6.5
5	MP2A	My	-.042	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mz	.059	6.5
7	MP2B	Y	-83.901	1.5
8	MP2B	My	-.051	1.5
9	MP2B	Mz	-.052	1.5
10	MP2B	Y	-83.901	6.5
11	MP2B	My	-.051	6.5
12	MP2B	Mz	-.052	6.5
13	MP2C	Y	-83.901	1.5
14	MP2C	My	.072	1.5
15	MP2C	Mz	-.006	1.5
16	MP2C	Y	-83.901	6.5
17	MP2C	My	.072	6.5
18	MP2C	Mz	-.006	6.5
19	MP2A	Y	-83.901	1.5
20	MP2A	My	-.042	1.5
21	MP2A	Mz	-.059	1.5
22	MP2A	Y	-83.901	6.5
23	MP2A	My	-.042	6.5
24	MP2A	Mz	-.059	6.5
25	MP2B	Y	-83.901	1.5
26	MP2B	My	.066	1.5
27	MP2B	Mz	-.031	1.5
28	MP2B	Y	-83.901	6.5
29	MP2B	My	.066	6.5
30	MP2B	Mz	-.031	6.5
31	MP2C	Y	-83.901	1.5
32	MP2C	My	-.041	1.5
33	MP2C	Mz	.06	1.5
34	MP2C	Y	-83.901	6.5
35	MP2C	My	-.041	6.5
36	MP2C	Mz	.06	6.5
37	MP4A	Y	-36.252	3.25
38	MP4A	My	-.018	3.25
39	MP4A	Mz	0	3.25
40	MP4A	Y	-36.252	4.75
41	MP4A	My	-.018	4.75
42	MP4A	Mz	0	4.75
43	MP4B	Y	-36.252	3.25
44	MP4B	My	.003	3.25
45	MP4B	Mz	-.018	3.25
46	MP4B	Y	-36.252	4.75
47	MP4B	My	.003	4.75
48	MP4B	Mz	-.018	4.75
49	MP4C	Y	-36.252	3.25
50	MP4C	My	.012	3.25
51	MP4C	Mz	.014	3.25
52	MP4C	Y	-36.252	4.75
53	MP4C	My	.012	4.75
54	MP4C	Mz	.014	4.75
55	MP1A	Y	-52.685	1.25
56	MP1A	My	-.026	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-52.685	6.75
59	MP1A	My	-.026	6.75
60	MP1A	Mz	0	6.75
61	MP1B	Y	-52.685	1.25
62	MP1B	My	.005	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	MP1B	Mz	-.026	1.25
64	MP1B	Y	-52.685	6.75
65	MP1B	My	.005	6.75
66	MP1B	Mz	-.026	6.75
67	MP1C	Y	-52.685	1.25
68	MP1C	My	.009	1.25
69	MP1C	Mz	.025	1.25
70	MP1C	Y	-52.685	6.75
71	MP1C	My	.009	6.75
72	MP1C	Mz	.025	6.75
73	MP2A	Y	-45.701	3
74	MP2A	My	.023	3
75	MP2A	Mz	-.002	3
76	MP2B	Y	-45.701	3
77	MP2B	My	-.004	3
78	MP2B	Mz	.023	3
79	MP2C	Y	-45.701	3
80	MP2C	My	-.015	3
81	MP2C	Mz	-.018	3
82	MP3A	Y	-41.104	3
83	MP3A	My	.02	3
84	MP3A	Mz	-.002	3
85	MP3B	Y	-41.104	3
86	MP3B	My	-.004	3
87	MP3B	Mz	.02	3
88	MP3C	Y	-41.104	3
89	MP3C	My	-.013	3
90	MP3C	Mz	-.016	3
91	OVP	Y	-77.218	1
92	OVP	My	0	1
93	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	-238.281	1.5
3	MP2A	Mx	-.169	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	-238.281	6.5
6	MP2A	Mx	-.169	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	-178.996	1.5
9	MP2B	Mx	.11	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	-178.996	6.5
12	MP2B	Mx	.11	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	-202.409	1.5
15	MP2C	Mx	.015	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	-202.409	6.5
18	MP2C	Mx	.015	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-238.281	1.5
21	MP2A	Mx	.169	1.5
22	MP2A	X	0	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
23	MP2A	Z	-238.281	6.5
24	MP2A	Mx	.169	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	-178.996	1.5
27	MP2B	Mx	.066	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-178.996	6.5
30	MP2B	Mx	.066	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-184.303	1.5
33	MP2C	Mx	-.131	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	-184.303	6.5
36	MP2C	Mx	-.131	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	-113.467	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	-113.467	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	-46.504	3.25
45	MP4B	Mx	.023	3.25
46	MP4B	X	0	4.75
47	MP4B	Z	-46.504	4.75
48	MP4B	Mx	.023	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	-72.95	3.25
51	MP4C	Mx	-.028	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	-72.95	4.75
54	MP4C	Mx	-.028	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	-182.755	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	6.75
59	MP1A	Z	-182.755	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	-102.868	1.25
63	MP1B	Mx	.051	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	-102.868	6.75
66	MP1B	Mx	.051	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	-110.02	1.25
69	MP1C	Mx	-.052	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	-110.02	6.75
72	MP1C	Mx	-.052	6.75
73	MP2A	X	0	3
74	MP2A	Z	-90.005	3
75	MP2A	Mx	.004	3
76	MP2B	X	0	3
77	MP2B	Z	-61.218	3
78	MP2B	Mx	-.03	3
79	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
80	MP2C	Z	-72.676	3
81	MP2C	Mx	.028	3
82	MP3A	X	0	3
83	MP3A	Z	-89.918	3
84	MP3A	Mx	.004	3
85	MP3B	X	0	3
86	MP3B	Z	-50.103	3
87	MP3B	Mx	-.025	3
88	MP3C	X	0	3
89	MP3C	Z	-65.951	3
90	MP3C	Mx	.025	3
91	OVP	X	0	1
92	OVP	Z	-122.754	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	111.5	1.5
2	MP2A	Z	-193.123	1.5
3	MP2A	Mx	-.193	1.5
4	MP2A	X	111.5	6.5
5	MP2A	Z	-193.123	6.5
6	MP2A	Mx	-.193	6.5
7	MP2B	X	92.152	1.5
8	MP2B	Z	-159.611	1.5
9	MP2B	Mx	.042	1.5
10	MP2B	X	92.152	6.5
11	MP2B	Z	-159.611	6.5
12	MP2B	Mx	.042	6.5
13	MP2C	X	115.565	1.5
14	MP2C	Z	-200.165	1.5
15	MP2C	Mx	.114	1.5
16	MP2C	X	115.565	6.5
17	MP2C	Z	-200.165	6.5
18	MP2C	Mx	.114	6.5
19	MP2A	X	111.5	1.5
20	MP2A	Z	-193.123	1.5
21	MP2A	Mx	.081	1.5
22	MP2A	X	111.5	6.5
23	MP2A	Z	-193.123	6.5
24	MP2A	Mx	.081	6.5
25	MP2B	X	92.152	1.5
26	MP2B	Z	-159.611	1.5
27	MP2B	Mx	.131	1.5
28	MP2B	X	92.152	6.5
29	MP2B	Z	-159.611	6.5
30	MP2B	Mx	.131	6.5
31	MP2C	X	106.512	1.5
32	MP2C	Z	-184.484	1.5
33	MP2C	Mx	-.184	1.5
34	MP2C	X	106.512	6.5
35	MP2C	Z	-184.484	6.5
36	MP2C	Mx	-.184	6.5
37	MP4A	X	48.103	3.25
38	MP4A	Z	-83.317	3.25
39	MP4A	Mx	-.024	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4A	X	48.103	4.75
41	MP4A	Z	-83.317	4.75
42	MP4A	Mx	-.024	4.75
43	MP4B	X	26.249	3.25
44	MP4B	Z	-45.465	3.25
45	MP4B	Mx	.025	3.25
46	MP4B	X	26.249	4.75
47	MP4B	Z	-45.465	4.75
48	MP4B	Mx	.025	4.75
49	MP4C	X	52.695	3.25
50	MP4C	Z	-91.271	3.25
51	MP4C	Mx	-.018	3.25
52	MP4C	X	52.695	4.75
53	MP4C	Z	-91.271	4.75
54	MP4C	Mx	-.018	4.75
55	MP1A	X	81.081	1.25
56	MP1A	Z	-140.437	1.25
57	MP1A	Mx	-.041	1.25
58	MP1A	X	81.081	6.75
59	MP1A	Z	-140.437	6.75
60	MP1A	Mx	-.041	6.75
61	MP1B	X	55.01	1.25
62	MP1B	Z	-95.28	1.25
63	MP1B	Mx	.052	1.25
64	MP1B	X	55.01	6.75
65	MP1B	Z	-95.28	6.75
66	MP1B	Mx	.052	6.75
67	MP1C	X	74.361	1.25
68	MP1C	Z	-128.796	1.25
69	MP1C	Mx	-.048	1.25
70	MP1C	X	74.361	6.75
71	MP1C	Z	-128.796	6.75
72	MP1C	Mx	-.048	6.75
73	MP2A	X	40.195	3
74	MP2A	Z	-69.62	3
75	MP2A	Mx	.023	3
76	MP2B	X	31.908	3
77	MP2B	Z	-55.266	3
78	MP2B	Mx	-.03	3
79	MP2C	X	43.366	3
80	MP2C	Z	-75.113	3
81	MP2C	Mx	.015	3
82	MP3A	X	38.31	3
83	MP3A	Z	-66.355	3
84	MP3A	Mx	.022	3
85	MP3B	X	26.848	3
86	MP3B	Z	-46.502	3
87	MP3B	Mx	-.025	3
88	MP3C	X	42.696	3
89	MP3C	Z	-73.952	3
90	MP3C	Mx	.015	3
91	OVP	X	64.058	1
92	OVP	Z	-110.951	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	166.653	1.5
2	MP2A	Z	-96.217	1.5
3	MP2A	Mx	-.151	1.5
4	MP2A	X	166.653	6.5
5	MP2A	Z	-96.217	6.5
6	MP2A	Mx	-.151	6.5
7	MP2B	X	184.484	1.5
8	MP2B	Z	-106.512	1.5
9	MP2B	Mx	-.047	1.5
10	MP2B	X	184.484	6.5
11	MP2B	Z	-106.512	6.5
12	MP2B	Mx	-.047	6.5
13	MP2C	X	204.761	1.5
14	MP2C	Z	-118.219	1.5
15	MP2C	Mx	.185	1.5
16	MP2C	X	204.761	6.5
17	MP2C	Z	-118.219	6.5
18	MP2C	Mx	.185	6.5
19	MP2A	X	166.653	1.5
20	MP2A	Z	-96.217	1.5
21	MP2A	Mx	-.015	1.5
22	MP2A	X	166.653	6.5
23	MP2A	Z	-96.217	6.5
24	MP2A	Mx	-.015	6.5
25	MP2B	X	184.484	1.5
26	MP2B	Z	-106.512	1.5
27	MP2B	Mx	.184	1.5
28	MP2B	X	184.484	6.5
29	MP2B	Z	-106.512	6.5
30	MP2B	Mx	.184	6.5
31	MP2C	X	204.761	1.5
32	MP2C	Z	-118.219	1.5
33	MP2C	Mx	-.185	1.5
34	MP2C	X	204.761	6.5
35	MP2C	Z	-118.219	6.5
36	MP2C	Mx	-.185	6.5
37	MP4A	X	53.419	3.25
38	MP4A	Z	-30.842	3.25
39	MP4A	Mx	-.027	3.25
40	MP4A	X	53.419	4.75
41	MP4A	Z	-30.842	4.75
42	MP4A	Mx	-.027	4.75
43	MP4B	X	73.56	3.25
44	MP4B	Z	-42.47	3.25
45	MP4B	Mx	.027	3.25
46	MP4B	X	73.56	4.75
47	MP4B	Z	-42.47	4.75
48	MP4B	Mx	.027	4.75
49	MP4C	X	96.462	3.25
50	MP4C	Z	-55.693	3.25
51	MP4C	Mx	.01	3.25
52	MP4C	X	96.462	4.75
53	MP4C	Z	-55.693	4.75
54	MP4C	Mx	.01	4.75
55	MP1A	X	104.769	1.25
56	MP1A	Z	-60.489	1.25
57	MP1A	Mx	-.052	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1A	X	104.769	6.75
59	MP1A	Z	-60.489	6.75
60	MP1A	Mx	-.052	6.75
61	MP1B	X	128.796	1.25
62	MP1B	Z	-74.361	1.25
63	MP1B	Mx	.048	1.25
64	MP1B	X	128.796	6.75
65	MP1B	Z	-74.361	6.75
66	MP1B	Mx	.048	6.75
67	MP1C	X	156.119	1.25
68	MP1C	Z	-90.135	1.25
69	MP1C	Mx	-.016	1.25
70	MP1C	X	156.119	6.75
71	MP1C	Z	-90.135	6.75
72	MP1C	Mx	-.016	6.75
73	MP2A	X	56.862	3
74	MP2A	Z	-32.829	3
75	MP2A	Mx	.03	3
76	MP2B	X	67.439	3
77	MP2B	Z	-38.936	3
78	MP2B	Mx	-.025	3
79	MP2C	X	77.362	3
80	MP2C	Z	-44.665	3
81	MP2C	Mx	-.008	3
82	MP3A	X	48.71	3
83	MP3A	Z	-28.123	3
84	MP3A	Mx	.025	3
85	MP3B	X	63.338	3
86	MP3B	Z	-36.568	3
87	MP3B	Mx	-.024	3
88	MP3C	X	77.063	3
89	MP3C	Z	-44.492	3
90	MP3C	Mx	-.008	3
91	OVP	X	136.075	1
92	OVP	Z	-78.563	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	177.153	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.089	1.5
4	MP2A	X	177.153	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.089	6.5
7	MP2B	X	236.438	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.144	1.5
10	MP2B	X	236.438	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.144	6.5
13	MP2C	X	213.024	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.184	1.5
16	MP2C	X	213.024	6.5
17	MP2C	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP2C	Mx	.184	6.5
19	MP2A	X	177.153	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.089	1.5
22	MP2A	X	177.153	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.089	6.5
25	MP2B	X	236.438	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.185	1.5
28	MP2B	X	236.438	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	.185	6.5
31	MP2C	X	231.13	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.114	1.5
34	MP2C	X	231.13	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.114	6.5
37	MP4A	X	44.422	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	-.022	3.25
40	MP4A	X	44.422	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	-.022	4.75
43	MP4B	X	111.385	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	.01	3.25
46	MP4B	X	111.385	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	.01	4.75
49	MP4C	X	84.939	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	.027	3.25
52	MP4C	X	84.939	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	.027	4.75
55	MP1A	X	100.385	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.05	1.25
58	MP1A	X	100.385	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	-.05	6.75
61	MP1B	X	180.271	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.016	1.25
64	MP1B	X	180.271	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	.016	6.75
67	MP1C	X	173.119	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.03	1.25
70	MP1C	X	173.119	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	.03	6.75
73	MP2A	X	60.543	3
74	MP2A	Z	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
75	MP2A	Mx	.03	3
76	MP2B	X	89.33	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.008	3
79	MP2C	X	77.871	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.025	3
82	MP3A	X	49.17	3
83	MP3A	Z	0	3
84	MP3A	Mx	.024	3
85	MP3B	X	88.985	3
86	MP3B	Z	0	3
87	MP3B	Mx	-.008	3
88	MP3C	X	73.136	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.024	3
91	OVP	X	180.776	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	166.653	1.5
2	MP2A	Z	96.217	1.5
3	MP2A	Mx	-.015	1.5
4	MP2A	X	166.653	6.5
5	MP2A	Z	96.217	6.5
6	MP2A	Mx	-.015	6.5
7	MP2B	X	200.165	1.5
8	MP2B	Z	115.565	1.5
9	MP2B	Mx	-.193	1.5
10	MP2B	X	200.165	6.5
11	MP2B	Z	115.565	6.5
12	MP2B	Mx	-.193	6.5
13	MP2C	X	159.611	1.5
14	MP2C	Z	92.152	1.5
15	MP2C	Mx	.131	1.5
16	MP2C	X	159.611	6.5
17	MP2C	Z	92.152	6.5
18	MP2C	Mx	.131	6.5
19	MP2A	X	166.653	1.5
20	MP2A	Z	96.217	1.5
21	MP2A	Mx	-.151	1.5
22	MP2A	X	166.653	6.5
23	MP2A	Z	96.217	6.5
24	MP2A	Mx	-.151	6.5
25	MP2B	X	200.165	1.5
26	MP2B	Z	115.565	1.5
27	MP2B	Mx	.114	1.5
28	MP2B	X	200.165	6.5
29	MP2B	Z	115.565	6.5
30	MP2B	Mx	.114	6.5
31	MP2C	X	175.292	1.5
32	MP2C	Z	101.205	1.5
33	MP2C	Mx	-.015	1.5
34	MP2C	X	175.292	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
35	MP2C	Z	101.205	6.5
36	MP2C	Mx	-.015	6.5
37	MP4A	X	53.419	3.25
38	MP4A	Z	30.842	3.25
39	MP4A	Mx	-.027	3.25
40	MP4A	X	53.419	4.75
41	MP4A	Z	30.842	4.75
42	MP4A	Mx	-.027	4.75
43	MP4B	X	91.271	3.25
44	MP4B	Z	52.695	3.25
45	MP4B	Mx	-.018	3.25
46	MP4B	X	91.271	4.75
47	MP4B	Z	52.695	4.75
48	MP4B	Mx	-.018	4.75
49	MP4C	X	45.465	3.25
50	MP4C	Z	26.249	3.25
51	MP4C	Mx	.025	3.25
52	MP4C	X	45.465	4.75
53	MP4C	Z	26.249	4.75
54	MP4C	Mx	.025	4.75
55	MP1A	X	104.769	1.25
56	MP1A	Z	60.489	1.25
57	MP1A	Mx	-.052	1.25
58	MP1A	X	104.769	6.75
59	MP1A	Z	60.489	6.75
60	MP1A	Mx	-.052	6.75
61	MP1B	X	149.926	1.25
62	MP1B	Z	86.56	1.25
63	MP1B	Mx	-.03	1.25
64	MP1B	X	149.926	6.75
65	MP1B	Z	86.56	6.75
66	MP1B	Mx	-.03	6.75
67	MP1C	X	116.409	1.25
68	MP1C	Z	67.209	1.25
69	MP1C	Mx	.051	1.25
70	MP1C	X	116.409	6.75
71	MP1C	Z	67.209	6.75
72	MP1C	Mx	.051	6.75
73	MP2A	X	60.759	3
74	MP2A	Z	35.079	3
75	MP2A	Mx	.029	3
76	MP2B	X	75.113	3
77	MP2B	Z	43.366	3
78	MP2B	Mx	.015	3
79	MP2C	X	55.266	3
80	MP2C	Z	31.908	3
81	MP2C	Mx	-.03	3
82	MP3A	X	54.099	3
83	MP3A	Z	31.234	3
84	MP3A	Mx	.026	3
85	MP3B	X	73.952	3
86	MP3B	Z	42.696	3
87	MP3B	Mx	.015	3
88	MP3C	X	46.502	3
89	MP3C	Z	26.848	3
90	MP3C	Mx	-.025	3
91	OVP	X	151.914	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	87.708	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	111.5	1.5
2	MP2A	Z	193.123	1.5
3	MP2A	Mx	.081	1.5
4	MP2A	X	111.5	6.5
5	MP2A	Z	193.123	6.5
6	MP2A	Mx	.081	6.5
7	MP2B	X	101.205	1.5
8	MP2B	Z	175.292	1.5
9	MP2B	Mx	-.17	1.5
10	MP2B	X	101.205	6.5
11	MP2B	Z	175.292	6.5
12	MP2B	Mx	-.17	6.5
13	MP2C	X	89.498	1.5
14	MP2C	Z	155.015	1.5
15	MP2C	Mx	.066	1.5
16	MP2C	X	89.498	6.5
17	MP2C	Z	155.015	6.5
18	MP2C	Mx	.066	6.5
19	MP2A	X	111.5	1.5
20	MP2A	Z	193.123	1.5
21	MP2A	Mx	-.193	1.5
22	MP2A	X	111.5	6.5
23	MP2A	Z	193.123	6.5
24	MP2A	Mx	-.193	6.5
25	MP2B	X	101.205	1.5
26	MP2B	Z	175.292	1.5
27	MP2B	Mx	.015	1.5
28	MP2B	X	101.205	6.5
29	MP2B	Z	175.292	6.5
30	MP2B	Mx	.015	6.5
31	MP2C	X	89.498	1.5
32	MP2C	Z	155.015	1.5
33	MP2C	Mx	.066	1.5
34	MP2C	X	89.498	6.5
35	MP2C	Z	155.015	6.5
36	MP2C	Mx	.066	6.5
37	MP4A	X	48.103	3.25
38	MP4A	Z	83.317	3.25
39	MP4A	Mx	-.024	3.25
40	MP4A	X	48.103	4.75
41	MP4A	Z	83.317	4.75
42	MP4A	Mx	-.024	4.75
43	MP4B	X	36.475	3.25
44	MP4B	Z	63.177	3.25
45	MP4B	Mx	-.028	3.25
46	MP4B	X	36.475	4.75
47	MP4B	Z	63.177	4.75
48	MP4B	Mx	-.028	4.75
49	MP4C	X	23.252	3.25
50	MP4C	Z	40.274	3.25
51	MP4C	Mx	.023	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	23.252	4.75
53	MP4C	Z	40.274	4.75
54	MP4C	Mx	.023	4.75
55	MP1A	X	81.081	1.25
56	MP1A	Z	140.437	1.25
57	MP1A	Mx	-.041	1.25
58	MP1A	X	81.081	6.75
59	MP1A	Z	140.437	6.75
60	MP1A	Mx	-.041	6.75
61	MP1B	X	67.209	1.25
62	MP1B	Z	116.409	1.25
63	MP1B	Mx	-.051	1.25
64	MP1B	X	67.209	6.75
65	MP1B	Z	116.409	6.75
66	MP1B	Mx	-.051	6.75
67	MP1C	X	51.434	1.25
68	MP1C	Z	89.087	1.25
69	MP1C	Mx	.051	1.25
70	MP1C	X	51.434	6.75
71	MP1C	Z	89.087	6.75
72	MP1C	Mx	.051	6.75
73	MP2A	X	42.444	3
74	MP2A	Z	73.516	3
75	MP2A	Mx	.018	3
76	MP2B	X	36.338	3
77	MP2B	Z	62.94	3
78	MP2B	Mx	.028	3
79	MP2C	X	30.609	3
80	MP2C	Z	53.016	3
81	MP2C	Mx	-.03	3
82	MP3A	X	41.421	3
83	MP3A	Z	71.743	3
84	MP3A	Mx	.018	3
85	MP3B	X	32.976	3
86	MP3B	Z	57.116	3
87	MP3B	Mx	.025	3
88	MP3C	X	25.052	3
89	MP3C	Z	43.391	3
90	MP3C	Mx	-.025	3
91	OVP	X	73.202	1
92	OVP	Z	126.79	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	238.281	1.5
3	MP2A	Mx	.169	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	238.281	6.5
6	MP2A	Mx	.169	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	178.996	1.5
9	MP2B	Mx	-.11	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	178.996	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-.11	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	202.409	1.5
15	MP2C	Mx	-.015	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	202.409	6.5
18	MP2C	Mx	-.015	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	238.281	1.5
21	MP2A	Mx	-.169	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	238.281	6.5
24	MP2A	Mx	-.169	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	178.996	1.5
27	MP2B	Mx	-.066	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	178.996	6.5
30	MP2B	Mx	-.066	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	184.303	1.5
33	MP2C	Mx	.131	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	184.303	6.5
36	MP2C	Mx	.131	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	113.467	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	113.467	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	46.504	3.25
45	MP4B	Mx	-.023	3.25
46	MP4B	X	0	4.75
47	MP4B	Z	46.504	4.75
48	MP4B	Mx	-.023	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	72.95	3.25
51	MP4C	Mx	.028	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	72.95	4.75
54	MP4C	Mx	.028	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	182.755	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	6.75
59	MP1A	Z	182.755	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	102.868	1.25
63	MP1B	Mx	-.051	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	102.868	6.75
66	MP1B	Mx	-.051	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	110.02	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
69	MP1C	Mx	.052	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	110.02	6.75
72	MP1C	Mx	.052	6.75
73	MP2A	X	0	3
74	MP2A	Z	90.005	3
75	MP2A	Mx	-.004	3
76	MP2B	X	0	3
77	MP2B	Z	61.218	3
78	MP2B	Mx	.03	3
79	MP2C	X	0	3
80	MP2C	Z	72.676	3
81	MP2C	Mx	-.028	3
82	MP3A	X	0	3
83	MP3A	Z	89.918	3
84	MP3A	Mx	-.004	3
85	MP3B	X	0	3
86	MP3B	Z	50.103	3
87	MP3B	Mx	.025	3
88	MP3C	X	0	3
89	MP3C	Z	65.951	3
90	MP3C	Mx	-.025	3
91	OVP	X	0	1
92	OVP	Z	122.754	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-111.5	1.5
2	MP2A	Z	193.123	1.5
3	MP2A	Mx	.193	1.5
4	MP2A	X	-111.5	6.5
5	MP2A	Z	193.123	6.5
6	MP2A	Mx	.193	6.5
7	MP2B	X	-92.152	1.5
8	MP2B	Z	159.611	1.5
9	MP2B	Mx	-.042	1.5
10	MP2B	X	-92.152	6.5
11	MP2B	Z	159.611	6.5
12	MP2B	Mx	-.042	6.5
13	MP2C	X	-115.565	1.5
14	MP2C	Z	200.165	1.5
15	MP2C	Mx	-.114	1.5
16	MP2C	X	-115.565	6.5
17	MP2C	Z	200.165	6.5
18	MP2C	Mx	-.114	6.5
19	MP2A	X	-111.5	1.5
20	MP2A	Z	193.123	1.5
21	MP2A	Mx	-.081	1.5
22	MP2A	X	-111.5	6.5
23	MP2A	Z	193.123	6.5
24	MP2A	Mx	-.081	6.5
25	MP2B	X	-92.152	1.5
26	MP2B	Z	159.611	1.5
27	MP2B	Mx	-.131	1.5
28	MP2B	X	-92.152	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP2B	Z	159.611	6.5
30	MP2B	Mx	-.131	6.5
31	MP2C	X	-106.512	1.5
32	MP2C	Z	184.484	1.5
33	MP2C	Mx	.184	1.5
34	MP2C	X	-106.512	6.5
35	MP2C	Z	184.484	6.5
36	MP2C	Mx	.184	6.5
37	MP4A	X	-48.103	3.25
38	MP4A	Z	83.317	3.25
39	MP4A	Mx	.024	3.25
40	MP4A	X	-48.103	4.75
41	MP4A	Z	83.317	4.75
42	MP4A	Mx	.024	4.75
43	MP4B	X	-26.249	3.25
44	MP4B	Z	45.465	3.25
45	MP4B	Mx	-.025	3.25
46	MP4B	X	-26.249	4.75
47	MP4B	Z	45.465	4.75
48	MP4B	Mx	-.025	4.75
49	MP4C	X	-52.695	3.25
50	MP4C	Z	91.271	3.25
51	MP4C	Mx	.018	3.25
52	MP4C	X	-52.695	4.75
53	MP4C	Z	91.271	4.75
54	MP4C	Mx	.018	4.75
55	MP1A	X	-81.081	1.25
56	MP1A	Z	140.437	1.25
57	MP1A	Mx	.041	1.25
58	MP1A	X	-81.081	6.75
59	MP1A	Z	140.437	6.75
60	MP1A	Mx	.041	6.75
61	MP1B	X	-55.01	1.25
62	MP1B	Z	95.28	1.25
63	MP1B	Mx	-.052	1.25
64	MP1B	X	-55.01	6.75
65	MP1B	Z	95.28	6.75
66	MP1B	Mx	-.052	6.75
67	MP1C	X	-74.361	1.25
68	MP1C	Z	128.796	1.25
69	MP1C	Mx	.048	1.25
70	MP1C	X	-74.361	6.75
71	MP1C	Z	128.796	6.75
72	MP1C	Mx	.048	6.75
73	MP2A	X	-40.195	3
74	MP2A	Z	69.62	3
75	MP2A	Mx	-.023	3
76	MP2B	X	-31.908	3
77	MP2B	Z	55.266	3
78	MP2B	Mx	.03	3
79	MP2C	X	-43.366	3
80	MP2C	Z	75.113	3
81	MP2C	Mx	-.015	3
82	MP3A	X	-38.31	3
83	MP3A	Z	66.355	3
84	MP3A	Mx	-.022	3
85	MP3B	X	-26.848	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3B	Z	46.502	3
87	MP3B	Mx	.025	3
88	MP3C	X	-42.696	3
89	MP3C	Z	73.952	3
90	MP3C	Mx	-.015	3
91	OVP	X	-64.058	1
92	OVP	Z	110.951	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-166.653	1.5
2	MP2A	Z	96.217	1.5
3	MP2A	Mx	.151	1.5
4	MP2A	X	-166.653	6.5
5	MP2A	Z	96.217	6.5
6	MP2A	Mx	.151	6.5
7	MP2B	X	-184.484	1.5
8	MP2B	Z	106.512	1.5
9	MP2B	Mx	.047	1.5
10	MP2B	X	-184.484	6.5
11	MP2B	Z	106.512	6.5
12	MP2B	Mx	.047	6.5
13	MP2C	X	-204.761	1.5
14	MP2C	Z	118.219	1.5
15	MP2C	Mx	-.185	1.5
16	MP2C	X	-204.761	6.5
17	MP2C	Z	118.219	6.5
18	MP2C	Mx	-.185	6.5
19	MP2A	X	-166.653	1.5
20	MP2A	Z	96.217	1.5
21	MP2A	Mx	.015	1.5
22	MP2A	X	-166.653	6.5
23	MP2A	Z	96.217	6.5
24	MP2A	Mx	.015	6.5
25	MP2B	X	-184.484	1.5
26	MP2B	Z	106.512	1.5
27	MP2B	Mx	-.184	1.5
28	MP2B	X	-184.484	6.5
29	MP2B	Z	106.512	6.5
30	MP2B	Mx	-.184	6.5
31	MP2C	X	-204.761	1.5
32	MP2C	Z	118.219	1.5
33	MP2C	Mx	.185	1.5
34	MP2C	X	-204.761	6.5
35	MP2C	Z	118.219	6.5
36	MP2C	Mx	.185	6.5
37	MP4A	X	-53.419	3.25
38	MP4A	Z	30.842	3.25
39	MP4A	Mx	.027	3.25
40	MP4A	X	-53.419	4.75
41	MP4A	Z	30.842	4.75
42	MP4A	Mx	.027	4.75
43	MP4B	X	-73.56	3.25
44	MP4B	Z	42.47	3.25
45	MP4B	Mx	-.027	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	-73.56	4.75
47	MP4B	Z	42.47	4.75
48	MP4B	Mx	-.027	4.75
49	MP4C	X	-96.462	3.25
50	MP4C	Z	55.693	3.25
51	MP4C	Mx	-.01	3.25
52	MP4C	X	-96.462	4.75
53	MP4C	Z	55.693	4.75
54	MP4C	Mx	-.01	4.75
55	MP1A	X	-104.769	1.25
56	MP1A	Z	60.489	1.25
57	MP1A	Mx	.052	1.25
58	MP1A	X	-104.769	6.75
59	MP1A	Z	60.489	6.75
60	MP1A	Mx	.052	6.75
61	MP1B	X	-128.796	1.25
62	MP1B	Z	74.361	1.25
63	MP1B	Mx	-.048	1.25
64	MP1B	X	-128.796	6.75
65	MP1B	Z	74.361	6.75
66	MP1B	Mx	-.048	6.75
67	MP1C	X	-156.119	1.25
68	MP1C	Z	90.135	1.25
69	MP1C	Mx	.016	1.25
70	MP1C	X	-156.119	6.75
71	MP1C	Z	90.135	6.75
72	MP1C	Mx	.016	6.75
73	MP2A	X	-56.862	3
74	MP2A	Z	32.829	3
75	MP2A	Mx	-.03	3
76	MP2B	X	-67.439	3
77	MP2B	Z	38.936	3
78	MP2B	Mx	.025	3
79	MP2C	X	-77.362	3
80	MP2C	Z	44.665	3
81	MP2C	Mx	.008	3
82	MP3A	X	-48.71	3
83	MP3A	Z	28.123	3
84	MP3A	Mx	-.025	3
85	MP3B	X	-63.338	3
86	MP3B	Z	36.568	3
87	MP3B	Mx	.024	3
88	MP3C	X	-77.063	3
89	MP3C	Z	44.492	3
90	MP3C	Mx	.008	3
91	OVP	X	-136.075	1
92	OVP	Z	78.563	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-177.153	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.089	1.5
4	MP2A	X	-177.153	6.5
5	MP2A	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.089	6.5
7	MP2B	X	-236.438	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.144	1.5
10	MP2B	X	-236.438	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.144	6.5
13	MP2C	X	-213.024	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.184	1.5
16	MP2C	X	-213.024	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	-.184	6.5
19	MP2A	X	-177.153	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.089	1.5
22	MP2A	X	-177.153	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.089	6.5
25	MP2B	X	-236.438	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.185	1.5
28	MP2B	X	-236.438	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.185	6.5
31	MP2C	X	-231.13	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.114	1.5
34	MP2C	X	-231.13	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.114	6.5
37	MP4A	X	-44.422	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	.022	3.25
40	MP4A	X	-44.422	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	.022	4.75
43	MP4B	X	-111.385	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	-.01	3.25
46	MP4B	X	-111.385	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	-.01	4.75
49	MP4C	X	-84.939	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	-.027	3.25
52	MP4C	X	-84.939	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	-.027	4.75
55	MP1A	X	-100.385	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.05	1.25
58	MP1A	X	-100.385	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	.05	6.75
61	MP1B	X	-180.271	1.25
62	MP1B	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	MP1B	Mx	-.016	1.25
64	MP1B	X	-180.271	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	-.016	6.75
67	MP1C	X	-173.119	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.03	1.25
70	MP1C	X	-173.119	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	-.03	6.75
73	MP2A	X	-60.543	3
74	MP2A	Z	0	3
75	MP2A	Mx	-.03	3
76	MP2B	X	-89.33	3
77	MP2B	Z	0	3
78	MP2B	Mx	.008	3
79	MP2C	X	-77.871	3
80	MP2C	Z	0	3
81	MP2C	Mx	.025	3
82	MP3A	X	-49.17	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.024	3
85	MP3B	X	-88.985	3
86	MP3B	Z	0	3
87	MP3B	Mx	.008	3
88	MP3C	X	-73.136	3
89	MP3C	Z	0	3
90	MP3C	Mx	.024	3
91	OVP	X	-180.776	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-166.653	1.5
2	MP2A	Z	-96.217	1.5
3	MP2A	Mx	.015	1.5
4	MP2A	X	-166.653	6.5
5	MP2A	Z	-96.217	6.5
6	MP2A	Mx	.015	6.5
7	MP2B	X	-200.165	1.5
8	MP2B	Z	-115.565	1.5
9	MP2B	Mx	.193	1.5
10	MP2B	X	-200.165	6.5
11	MP2B	Z	-115.565	6.5
12	MP2B	Mx	.193	6.5
13	MP2C	X	-159.611	1.5
14	MP2C	Z	-92.152	1.5
15	MP2C	Mx	-.131	1.5
16	MP2C	X	-159.611	6.5
17	MP2C	Z	-92.152	6.5
18	MP2C	Mx	-.131	6.5
19	MP2A	X	-166.653	1.5
20	MP2A	Z	-96.217	1.5
21	MP2A	Mx	.151	1.5
22	MP2A	X	-166.653	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
23	MP2A	Z	-96.217	6.5
24	MP2A	Mx	.151	6.5
25	MP2B	X	-200.165	1.5
26	MP2B	Z	-115.565	1.5
27	MP2B	Mx	-.114	1.5
28	MP2B	X	-200.165	6.5
29	MP2B	Z	-115.565	6.5
30	MP2B	Mx	-.114	6.5
31	MP2C	X	-175.292	1.5
32	MP2C	Z	-101.205	1.5
33	MP2C	Mx	.015	1.5
34	MP2C	X	-175.292	6.5
35	MP2C	Z	-101.205	6.5
36	MP2C	Mx	.015	6.5
37	MP4A	X	-53.419	3.25
38	MP4A	Z	-30.842	3.25
39	MP4A	Mx	.027	3.25
40	MP4A	X	-53.419	4.75
41	MP4A	Z	-30.842	4.75
42	MP4A	Mx	.027	4.75
43	MP4B	X	-91.271	3.25
44	MP4B	Z	-52.695	3.25
45	MP4B	Mx	.018	3.25
46	MP4B	X	-91.271	4.75
47	MP4B	Z	-52.695	4.75
48	MP4B	Mx	.018	4.75
49	MP4C	X	-45.465	3.25
50	MP4C	Z	-26.249	3.25
51	MP4C	Mx	-.025	3.25
52	MP4C	X	-45.465	4.75
53	MP4C	Z	-26.249	4.75
54	MP4C	Mx	-.025	4.75
55	MP1A	X	-104.769	1.25
56	MP1A	Z	-60.489	1.25
57	MP1A	Mx	.052	1.25
58	MP1A	X	-104.769	6.75
59	MP1A	Z	-60.489	6.75
60	MP1A	Mx	.052	6.75
61	MP1B	X	-149.926	1.25
62	MP1B	Z	-86.56	1.25
63	MP1B	Mx	.03	1.25
64	MP1B	X	-149.926	6.75
65	MP1B	Z	-86.56	6.75
66	MP1B	Mx	.03	6.75
67	MP1C	X	-116.409	1.25
68	MP1C	Z	-67.209	1.25
69	MP1C	Mx	-.051	1.25
70	MP1C	X	-116.409	6.75
71	MP1C	Z	-67.209	6.75
72	MP1C	Mx	-.051	6.75
73	MP2A	X	-60.759	3
74	MP2A	Z	-35.079	3
75	MP2A	Mx	-.029	3
76	MP2B	X	-75.113	3
77	MP2B	Z	-43.366	3
78	MP2B	Mx	-.015	3
79	MP2C	X	-55.266	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	-31.908	3
81	MP2C	Mx	.03	3
82	MP3A	X	-54.099	3
83	MP3A	Z	-31.234	3
84	MP3A	Mx	-.026	3
85	MP3B	X	-73.952	3
86	MP3B	Z	-42.696	3
87	MP3B	Mx	-.015	3
88	MP3C	X	-46.502	3
89	MP3C	Z	-26.848	3
90	MP3C	Mx	.025	3
91	OVP	X	-151.914	1
92	OVP	Z	-87.708	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-111.5	1.5
2	MP2A	Z	-193.123	1.5
3	MP2A	Mx	-.081	1.5
4	MP2A	X	-111.5	6.5
5	MP2A	Z	-193.123	6.5
6	MP2A	Mx	-.081	6.5
7	MP2B	X	-101.205	1.5
8	MP2B	Z	-175.292	1.5
9	MP2B	Mx	.17	1.5
10	MP2B	X	-101.205	6.5
11	MP2B	Z	-175.292	6.5
12	MP2B	Mx	.17	6.5
13	MP2C	X	-89.498	1.5
14	MP2C	Z	-155.015	1.5
15	MP2C	Mx	-.066	1.5
16	MP2C	X	-89.498	6.5
17	MP2C	Z	-155.015	6.5
18	MP2C	Mx	-.066	6.5
19	MP2A	X	-111.5	1.5
20	MP2A	Z	-193.123	1.5
21	MP2A	Mx	.193	1.5
22	MP2A	X	-111.5	6.5
23	MP2A	Z	-193.123	6.5
24	MP2A	Mx	.193	6.5
25	MP2B	X	-101.205	1.5
26	MP2B	Z	-175.292	1.5
27	MP2B	Mx	-.015	1.5
28	MP2B	X	-101.205	6.5
29	MP2B	Z	-175.292	6.5
30	MP2B	Mx	-.015	6.5
31	MP2C	X	-89.498	1.5
32	MP2C	Z	-155.015	1.5
33	MP2C	Mx	-.066	1.5
34	MP2C	X	-89.498	6.5
35	MP2C	Z	-155.015	6.5
36	MP2C	Mx	-.066	6.5
37	MP4A	X	-48.103	3.25
38	MP4A	Z	-83.317	3.25
39	MP4A	Mx	.024	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4A	X	-48.103	4.75
41	MP4A	Z	-83.317	4.75
42	MP4A	Mx	.024	4.75
43	MP4B	X	-36.475	3.25
44	MP4B	Z	-63.177	3.25
45	MP4B	Mx	.028	3.25
46	MP4B	X	-36.475	4.75
47	MP4B	Z	-63.177	4.75
48	MP4B	Mx	.028	4.75
49	MP4C	X	-23.252	3.25
50	MP4C	Z	-40.274	3.25
51	MP4C	Mx	-.023	3.25
52	MP4C	X	-23.252	4.75
53	MP4C	Z	-40.274	4.75
54	MP4C	Mx	-.023	4.75
55	MP1A	X	-81.081	1.25
56	MP1A	Z	-140.437	1.25
57	MP1A	Mx	.041	1.25
58	MP1A	X	-81.081	6.75
59	MP1A	Z	-140.437	6.75
60	MP1A	Mx	.041	6.75
61	MP1B	X	-67.209	1.25
62	MP1B	Z	-116.409	1.25
63	MP1B	Mx	.051	1.25
64	MP1B	X	-67.209	6.75
65	MP1B	Z	-116.409	6.75
66	MP1B	Mx	.051	6.75
67	MP1C	X	-51.434	1.25
68	MP1C	Z	-89.087	1.25
69	MP1C	Mx	-.051	1.25
70	MP1C	X	-51.434	6.75
71	MP1C	Z	-89.087	6.75
72	MP1C	Mx	-.051	6.75
73	MP2A	X	-42.444	3
74	MP2A	Z	-73.516	3
75	MP2A	Mx	-.018	3
76	MP2B	X	-36.338	3
77	MP2B	Z	-62.94	3
78	MP2B	Mx	-.028	3
79	MP2C	X	-30.609	3
80	MP2C	Z	-53.016	3
81	MP2C	Mx	.03	3
82	MP3A	X	-41.421	3
83	MP3A	Z	-71.743	3
84	MP3A	Mx	-.018	3
85	MP3B	X	-32.976	3
86	MP3B	Z	-57.116	3
87	MP3B	Mx	-.025	3
88	MP3C	X	-25.052	3
89	MP3C	Z	-43.391	3
90	MP3C	Mx	.025	3
91	OVP	X	-73.202	1
92	OVP	Z	-126.79	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	1.5
2	MP2A	Z	-40.973	1.5
3	MP2A	Mx	-.029	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	-40.973	6.5
6	MP2A	Mx	-.029	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	-31.306	1.5
9	MP2B	Mx	.019	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	-31.306	6.5
12	MP2B	Mx	.019	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	-35.124	1.5
15	MP2C	Mx	.003	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	-35.124	6.5
18	MP2C	Mx	.003	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-40.973	1.5
21	MP2A	Mx	.029	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-40.973	6.5
24	MP2A	Mx	.029	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	-31.306	1.5
27	MP2B	Mx	.012	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-31.306	6.5
30	MP2B	Mx	.012	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-32.171	1.5
33	MP2C	Mx	-.023	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	-32.171	6.5
36	MP2C	Mx	-.023	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	-20.223	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	-20.223	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	-8.976	3.25
45	MP4B	Mx	.004	3.25
46	MP4B	X	0	4.75
47	MP4B	Z	-8.976	4.75
48	MP4B	Mx	.004	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	-13.418	3.25
51	MP4C	Mx	-.005	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	-13.418	4.75
54	MP4C	Mx	-.005	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	-31.915	1.25
57	MP1A	Mx	0	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1A	X	0	6.75
59	MP1A	Z	-31.915	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	-19.112	1.25
63	MP1B	Mx	.009	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	-19.112	6.75
66	MP1B	Mx	.009	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	-20.258	1.25
69	MP1C	Mx	-.01	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	-20.258	6.75
72	MP1C	Mx	-.01	6.75
73	MP2A	X	0	3
74	MP2A	Z	-17.008	3
75	MP2A	Mx	.000741	3
76	MP2B	X	0	3
77	MP2B	Z	-12.022	3
78	MP2B	Mx	-.006	3
79	MP2C	X	0	3
80	MP2C	Z	-14.007	3
81	MP2C	Mx	.005	3
82	MP3A	X	0	3
83	MP3A	Z	-16.993	3
84	MP3A	Mx	.000741	3
85	MP3B	X	0	3
86	MP3B	Z	-10.112	3
87	MP3B	Mx	-.005	3
88	MP3C	X	0	3
89	MP3C	Z	-12.851	3
90	MP3C	Mx	.005	3
91	OVP	X	0	1
92	OVP	Z	-22.726	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	19.24	1.5
2	MP2A	Z	-33.325	1.5
3	MP2A	Mx	-.033	1.5
4	MP2A	X	19.24	6.5
5	MP2A	Z	-33.325	6.5
6	MP2A	Mx	-.033	6.5
7	MP2B	X	16.086	1.5
8	MP2B	Z	-27.861	1.5
9	MP2B	Mx	.007	1.5
10	MP2B	X	16.086	6.5
11	MP2B	Z	-27.861	6.5
12	MP2B	Mx	.007	6.5
13	MP2C	X	19.903	1.5
14	MP2C	Z	-34.474	1.5
15	MP2C	Mx	.02	1.5
16	MP2C	X	19.903	6.5
17	MP2C	Z	-34.474	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.02	6.5
19	MP2A	X	19.24	1.5
20	MP2A	Z	-33.325	1.5
21	MP2A	Mx	.014	1.5
22	MP2A	X	19.24	6.5
23	MP2A	Z	-33.325	6.5
24	MP2A	Mx	.014	6.5
25	MP2B	X	16.086	1.5
26	MP2B	Z	-27.861	1.5
27	MP2B	Mx	.023	1.5
28	MP2B	X	16.086	6.5
29	MP2B	Z	-27.861	6.5
30	MP2B	Mx	.023	6.5
31	MP2C	X	18.427	1.5
32	MP2C	Z	-31.917	1.5
33	MP2C	Mx	-.032	1.5
34	MP2C	X	18.427	6.5
35	MP2C	Z	-31.917	6.5
36	MP2C	Mx	-.032	6.5
37	MP4A	X	8.662	3.25
38	MP4A	Z	-15.003	3.25
39	MP4A	Mx	-.004	3.25
40	MP4A	X	8.662	4.75
41	MP4A	Z	-15.003	4.75
42	MP4A	Mx	-.004	4.75
43	MP4B	X	4.991	3.25
44	MP4B	Z	-8.645	3.25
45	MP4B	Mx	.005	3.25
46	MP4B	X	4.991	4.75
47	MP4B	Z	-8.645	4.75
48	MP4B	Mx	.005	4.75
49	MP4C	X	9.433	3.25
50	MP4C	Z	-16.339	3.25
51	MP4C	Mx	-.003	3.25
52	MP4C	X	9.433	4.75
53	MP4C	Z	-16.339	4.75
54	MP4C	Mx	-.003	4.75
55	MP1A	X	14.307	1.25
56	MP1A	Z	-24.781	1.25
57	MP1A	Mx	-.007	1.25
58	MP1A	X	14.307	6.75
59	MP1A	Z	-24.781	6.75
60	MP1A	Mx	-.007	6.75
61	MP1B	X	10.129	1.25
62	MP1B	Z	-17.544	1.25
63	MP1B	Mx	.01	1.25
64	MP1B	X	10.129	6.75
65	MP1B	Z	-17.544	6.75
66	MP1B	Mx	.01	6.75
67	MP1C	X	13.23	1.25
68	MP1C	Z	-22.916	1.25
69	MP1C	Mx	-.009	1.25
70	MP1C	X	13.23	6.75
71	MP1C	Z	-22.916	6.75
72	MP1C	Mx	-.009	6.75
73	MP2A	X	7.671	3
74	MP2A	Z	-13.287	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2A	Mx	.004	3
76	MP2B	X	6.236	3
77	MP2B	Z	-10.801	3
78	MP2B	Mx	-.006	3
79	MP2C	X	8.221	3
80	MP2C	Z	-14.239	3
81	MP2C	Mx	.003	3
82	MP3A	X	7.348	3
83	MP3A	Z	-12.726	3
84	MP3A	Mx	.004	3
85	MP3B	X	5.367	3
86	MP3B	Z	-9.295	3
87	MP3B	Mx	-.005	3
88	MP3C	X	8.106	3
89	MP3C	Z	-14.039	3
90	MP3C	Mx	.003	3
91	OVP	X	11.812	1
92	OVP	Z	-20.458	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	29.009	1.5
2	MP2A	Z	-16.749	1.5
3	MP2A	Mx	-.026	1.5
4	MP2A	X	29.009	6.5
5	MP2A	Z	-16.749	6.5
6	MP2A	Mx	-.026	6.5
7	MP2B	X	31.917	1.5
8	MP2B	Z	-18.427	1.5
9	MP2B	Mx	-.008	1.5
10	MP2B	X	31.917	6.5
11	MP2B	Z	-18.427	6.5
12	MP2B	Mx	-.008	6.5
13	MP2C	X	35.223	1.5
14	MP2C	Z	-20.336	1.5
15	MP2C	Mx	.032	1.5
16	MP2C	X	35.223	6.5
17	MP2C	Z	-20.336	6.5
18	MP2C	Mx	.032	6.5
19	MP2A	X	29.009	1.5
20	MP2A	Z	-16.749	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	29.009	6.5
23	MP2A	Z	-16.749	6.5
24	MP2A	Mx	-.003	6.5
25	MP2B	X	31.917	1.5
26	MP2B	Z	-18.427	1.5
27	MP2B	Mx	.032	1.5
28	MP2B	X	31.917	6.5
29	MP2B	Z	-18.427	6.5
30	MP2B	Mx	.032	6.5
31	MP2C	X	35.223	1.5
32	MP2C	Z	-20.336	1.5
33	MP2C	Mx	-.032	1.5
34	MP2C	X	35.223	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
35	MP2C	Z	-20.336	6.5
36	MP2C	Mx	-.032	6.5
37	MP4A	X	9.981	3.25
38	MP4A	Z	-5.763	3.25
39	MP4A	Mx	-.005	3.25
40	MP4A	X	9.981	4.75
41	MP4A	Z	-5.763	4.75
42	MP4A	Mx	-.005	4.75
43	MP4B	X	13.364	3.25
44	MP4B	Z	-7.716	3.25
45	MP4B	Mx	.005	3.25
46	MP4B	X	13.364	4.75
47	MP4B	Z	-7.716	4.75
48	MP4B	Mx	.005	4.75
49	MP4C	X	17.211	3.25
50	MP4C	Z	-9.937	3.25
51	MP4C	Mx	.002	3.25
52	MP4C	X	17.211	4.75
53	MP4C	Z	-9.937	4.75
54	MP4C	Mx	.002	4.75
55	MP1A	X	19.065	1.25
56	MP1A	Z	-11.007	1.25
57	MP1A	Mx	-.01	1.25
58	MP1A	X	19.065	6.75
59	MP1A	Z	-11.007	6.75
60	MP1A	Mx	-.01	6.75
61	MP1B	X	22.916	1.25
62	MP1B	Z	-13.23	1.25
63	MP1B	Mx	.009	1.25
64	MP1B	X	22.916	6.75
65	MP1B	Z	-13.23	6.75
66	MP1B	Mx	.009	6.75
67	MP1C	X	27.294	1.25
68	MP1C	Z	-15.758	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	27.294	6.75
71	MP1C	Z	-15.758	6.75
72	MP1C	Mx	-.003	6.75
73	MP2A	X	11.078	3
74	MP2A	Z	-6.396	3
75	MP2A	Mx	.006	3
76	MP2B	X	12.91	3
77	MP2B	Z	-7.453	3
78	MP2B	Mx	-.005	3
79	MP2C	X	14.628	3
80	MP2C	Z	-8.446	3
81	MP2C	Mx	-.001	3
82	MP3A	X	9.677	3
83	MP3A	Z	-5.587	3
84	MP3A	Mx	.005	3
85	MP3B	X	12.205	3
86	MP3B	Z	-7.047	3
87	MP3B	Mx	-.005	3
88	MP3C	X	14.577	3
89	MP3C	Z	-8.416	3
90	MP3C	Mx	-.001	3
91	OVP	X	24.664	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	-14.24	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	31.005	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.016	1.5
4	MP2A	X	31.005	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.016	6.5
7	MP2B	X	40.672	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.025	1.5
10	MP2B	X	40.672	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.025	6.5
13	MP2C	X	36.854	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.032	1.5
16	MP2C	X	36.854	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	.032	6.5
19	MP2A	X	31.005	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.016	1.5
22	MP2A	X	31.005	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.016	6.5
25	MP2B	X	40.672	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.032	1.5
28	MP2B	X	40.672	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	.032	6.5
31	MP2C	X	39.807	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.02	1.5
34	MP2C	X	39.807	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.02	6.5
37	MP4A	X	8.626	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	-.004	3.25
40	MP4A	X	8.626	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	-.004	4.75
43	MP4B	X	19.874	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	.002	3.25
46	MP4B	X	19.874	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	.002	4.75
49	MP4C	X	15.432	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	15.432	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	.005	4.75
55	MP1A	X	18.714	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.009	1.25
58	MP1A	X	18.714	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	-.009	6.75
61	MP1B	X	31.517	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	31.517	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	.003	6.75
67	MP1C	X	30.371	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.005	1.25
70	MP1C	X	30.371	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	.005	6.75
73	MP2A	X	11.905	3
74	MP2A	Z	0	3
75	MP2A	Mx	.006	3
76	MP2B	X	16.891	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.001	3
79	MP2C	X	14.907	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.005	3
82	MP3A	X	9.951	3
83	MP3A	Z	0	3
84	MP3A	Mx	.005	3
85	MP3B	X	16.832	3
86	MP3B	Z	0	3
87	MP3B	Mx	-.001	3
88	MP3C	X	14.093	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.005	3
91	OVP	X	32.438	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	29.009	1.5
2	MP2A	Z	16.749	1.5
3	MP2A	Mx	-.003	1.5
4	MP2A	X	29.009	6.5
5	MP2A	Z	16.749	6.5
6	MP2A	Mx	-.003	6.5
7	MP2B	X	34.474	1.5
8	MP2B	Z	19.903	1.5
9	MP2B	Mx	-.033	1.5
10	MP2B	X	34.474	6.5
11	MP2B	Z	19.903	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-.033	6.5
13	MP2C	X	27.861	1.5
14	MP2C	Z	16.086	1.5
15	MP2C	Mx	.023	1.5
16	MP2C	X	27.861	6.5
17	MP2C	Z	16.086	6.5
18	MP2C	Mx	.023	6.5
19	MP2A	X	29.009	1.5
20	MP2A	Z	16.749	1.5
21	MP2A	Mx	-.026	1.5
22	MP2A	X	29.009	6.5
23	MP2A	Z	16.749	6.5
24	MP2A	Mx	-.026	6.5
25	MP2B	X	34.474	1.5
26	MP2B	Z	19.903	1.5
27	MP2B	Mx	.02	1.5
28	MP2B	X	34.474	6.5
29	MP2B	Z	19.903	6.5
30	MP2B	Mx	.02	6.5
31	MP2C	X	30.418	1.5
32	MP2C	Z	17.562	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	30.418	6.5
35	MP2C	Z	17.562	6.5
36	MP2C	Mx	-.003	6.5
37	MP4A	X	9.981	3.25
38	MP4A	Z	5.763	3.25
39	MP4A	Mx	-.005	3.25
40	MP4A	X	9.981	4.75
41	MP4A	Z	5.763	4.75
42	MP4A	Mx	-.005	4.75
43	MP4B	X	16.339	3.25
44	MP4B	Z	9.433	3.25
45	MP4B	Mx	-.003	3.25
46	MP4B	X	16.339	4.75
47	MP4B	Z	9.433	4.75
48	MP4B	Mx	-.003	4.75
49	MP4C	X	8.645	3.25
50	MP4C	Z	4.991	3.25
51	MP4C	Mx	.005	3.25
52	MP4C	X	8.645	4.75
53	MP4C	Z	4.991	4.75
54	MP4C	Mx	.005	4.75
55	MP1A	X	19.065	1.25
56	MP1A	Z	11.007	1.25
57	MP1A	Mx	-.01	1.25
58	MP1A	X	19.065	6.75
59	MP1A	Z	11.007	6.75
60	MP1A	Mx	-.01	6.75
61	MP1B	X	26.302	1.25
62	MP1B	Z	15.185	1.25
63	MP1B	Mx	-.005	1.25
64	MP1B	X	26.302	6.75
65	MP1B	Z	15.185	6.75
66	MP1B	Mx	-.005	6.75
67	MP1C	X	20.93	1.25
68	MP1C	Z	12.084	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
69	MP1C	Mx	.009	1.25
70	MP1C	X	20.93	6.75
71	MP1C	Z	12.084	6.75
72	MP1C	Mx	.009	6.75
73	MP2A	X	11.752	3
74	MP2A	Z	6.785	3
75	MP2A	Mx	.006	3
76	MP2B	X	14.239	3
77	MP2B	Z	8.221	3
78	MP2B	Mx	.003	3
79	MP2C	X	10.801	3
80	MP2C	Z	6.236	3
81	MP2C	Mx	-.006	3
82	MP3A	X	10.608	3
83	MP3A	Z	6.125	3
84	MP3A	Mx	.005	3
85	MP3B	X	14.039	3
86	MP3B	Z	8.106	3
87	MP3B	Mx	.003	3
88	MP3C	X	9.295	3
89	MP3C	Z	5.367	3
90	MP3C	Mx	-.005	3
91	OVP	X	27.315	1
92	OVP	Z	15.77	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	19.24	1.5
2	MP2A	Z	33.325	1.5
3	MP2A	Mx	.014	1.5
4	MP2A	X	19.24	6.5
5	MP2A	Z	33.325	6.5
6	MP2A	Mx	.014	6.5
7	MP2B	X	17.562	1.5
8	MP2B	Z	30.418	1.5
9	MP2B	Mx	-.029	1.5
10	MP2B	X	17.562	6.5
11	MP2B	Z	30.418	6.5
12	MP2B	Mx	-.029	6.5
13	MP2C	X	15.653	1.5
14	MP2C	Z	27.112	1.5
15	MP2C	Mx	.012	1.5
16	MP2C	X	15.653	6.5
17	MP2C	Z	27.112	6.5
18	MP2C	Mx	.012	6.5
19	MP2A	X	19.24	1.5
20	MP2A	Z	33.325	1.5
21	MP2A	Mx	-.033	1.5
22	MP2A	X	19.24	6.5
23	MP2A	Z	33.325	6.5
24	MP2A	Mx	-.033	6.5
25	MP2B	X	17.562	1.5
26	MP2B	Z	30.418	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	17.562	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP2B	Z	30.418	6.5
30	MP2B	Mx	.003	6.5
31	MP2C	X	15.653	1.5
32	MP2C	Z	27.112	1.5
33	MP2C	Mx	.012	1.5
34	MP2C	X	15.653	6.5
35	MP2C	Z	27.112	6.5
36	MP2C	Mx	.012	6.5
37	MP4A	X	8.662	3.25
38	MP4A	Z	15.003	3.25
39	MP4A	Mx	-.004	3.25
40	MP4A	X	8.662	4.75
41	MP4A	Z	15.003	4.75
42	MP4A	Mx	-.004	4.75
43	MP4B	X	6.709	3.25
44	MP4B	Z	11.62	3.25
45	MP4B	Mx	-.005	3.25
46	MP4B	X	6.709	4.75
47	MP4B	Z	11.62	4.75
48	MP4B	Mx	-.005	4.75
49	MP4C	X	4.488	3.25
50	MP4C	Z	7.773	3.25
51	MP4C	Mx	.004	3.25
52	MP4C	X	4.488	4.75
53	MP4C	Z	7.773	4.75
54	MP4C	Mx	.004	4.75
55	MP1A	X	14.307	1.25
56	MP1A	Z	24.781	1.25
57	MP1A	Mx	-.007	1.25
58	MP1A	X	14.307	6.75
59	MP1A	Z	24.781	6.75
60	MP1A	Mx	-.007	6.75
61	MP1B	X	12.084	1.25
62	MP1B	Z	20.93	1.25
63	MP1B	Mx	-.009	1.25
64	MP1B	X	12.084	6.75
65	MP1B	Z	20.93	6.75
66	MP1B	Mx	-.009	6.75
67	MP1C	X	9.556	1.25
68	MP1C	Z	16.552	1.25
69	MP1C	Mx	.009	1.25
70	MP1C	X	9.556	6.75
71	MP1C	Z	16.552	6.75
72	MP1C	Mx	.009	6.75
73	MP2A	X	8.061	3
74	MP2A	Z	13.962	3
75	MP2A	Mx	.003	3
76	MP2B	X	7.003	3
77	MP2B	Z	12.13	3
78	MP2B	Mx	.005	3
79	MP2C	X	6.011	3
80	MP2C	Z	10.411	3
81	MP2C	Mx	-.006	3
82	MP3A	X	7.885	3
83	MP3A	Z	13.658	3
84	MP3A	Mx	.003	3
85	MP3B	X	6.426	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3B	Z	11.13	3
87	MP3B	Mx	.005	3
88	MP3C	X	5.056	3
89	MP3C	Z	8.757	3
90	MP3C	Mx	-.005	3
91	OVP	X	13.342	1
92	OVP	Z	23.109	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	40.973	1.5
3	MP2A	Mx	.029	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	40.973	6.5
6	MP2A	Mx	.029	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	31.306	1.5
9	MP2B	Mx	-.019	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	31.306	6.5
12	MP2B	Mx	-.019	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	35.124	1.5
15	MP2C	Mx	-.003	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	35.124	6.5
18	MP2C	Mx	-.003	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	40.973	1.5
21	MP2A	Mx	-.029	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	40.973	6.5
24	MP2A	Mx	-.029	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	31.306	1.5
27	MP2B	Mx	-.012	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	31.306	6.5
30	MP2B	Mx	-.012	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	32.171	1.5
33	MP2C	Mx	.023	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	32.171	6.5
36	MP2C	Mx	.023	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	20.223	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	20.223	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	8.976	3.25
45	MP4B	Mx	-.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	0	4.75
47	MP4B	Z	8.976	4.75
48	MP4B	Mx	-.004	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	13.418	3.25
51	MP4C	Mx	.005	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	13.418	4.75
54	MP4C	Mx	.005	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	31.915	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	6.75
59	MP1A	Z	31.915	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	19.112	1.25
63	MP1B	Mx	-.009	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	19.112	6.75
66	MP1B	Mx	-.009	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	20.258	1.25
69	MP1C	Mx	.01	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	20.258	6.75
72	MP1C	Mx	.01	6.75
73	MP2A	X	0	3
74	MP2A	Z	17.008	3
75	MP2A	Mx	-.000741	3
76	MP2B	X	0	3
77	MP2B	Z	12.022	3
78	MP2B	Mx	.006	3
79	MP2C	X	0	3
80	MP2C	Z	14.007	3
81	MP2C	Mx	-.005	3
82	MP3A	X	0	3
83	MP3A	Z	16.993	3
84	MP3A	Mx	-.000741	3
85	MP3B	X	0	3
86	MP3B	Z	10.112	3
87	MP3B	Mx	.005	3
88	MP3C	X	0	3
89	MP3C	Z	12.851	3
90	MP3C	Mx	-.005	3
91	OVP	X	0	1
92	OVP	Z	22.726	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-19.24	1.5
2	MP2A	Z	33.325	1.5
3	MP2A	Mx	.033	1.5
4	MP2A	X	-19.24	6.5
5	MP2A	Z	33.325	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	.033	6.5
7	MP2B	X	-16.086	1.5
8	MP2B	Z	27.861	1.5
9	MP2B	Mx	-.007	1.5
10	MP2B	X	-16.086	6.5
11	MP2B	Z	27.861	6.5
12	MP2B	Mx	-.007	6.5
13	MP2C	X	-19.903	1.5
14	MP2C	Z	34.474	1.5
15	MP2C	Mx	-.02	1.5
16	MP2C	X	-19.903	6.5
17	MP2C	Z	34.474	6.5
18	MP2C	Mx	-.02	6.5
19	MP2A	X	-19.24	1.5
20	MP2A	Z	33.325	1.5
21	MP2A	Mx	-.014	1.5
22	MP2A	X	-19.24	6.5
23	MP2A	Z	33.325	6.5
24	MP2A	Mx	-.014	6.5
25	MP2B	X	-16.086	1.5
26	MP2B	Z	27.861	1.5
27	MP2B	Mx	-.023	1.5
28	MP2B	X	-16.086	6.5
29	MP2B	Z	27.861	6.5
30	MP2B	Mx	-.023	6.5
31	MP2C	X	-18.427	1.5
32	MP2C	Z	31.917	1.5
33	MP2C	Mx	.032	1.5
34	MP2C	X	-18.427	6.5
35	MP2C	Z	31.917	6.5
36	MP2C	Mx	.032	6.5
37	MP4A	X	-8.662	3.25
38	MP4A	Z	15.003	3.25
39	MP4A	Mx	.004	3.25
40	MP4A	X	-8.662	4.75
41	MP4A	Z	15.003	4.75
42	MP4A	Mx	.004	4.75
43	MP4B	X	-4.991	3.25
44	MP4B	Z	8.645	3.25
45	MP4B	Mx	-.005	3.25
46	MP4B	X	-4.991	4.75
47	MP4B	Z	8.645	4.75
48	MP4B	Mx	-.005	4.75
49	MP4C	X	-9.433	3.25
50	MP4C	Z	16.339	3.25
51	MP4C	Mx	.003	3.25
52	MP4C	X	-9.433	4.75
53	MP4C	Z	16.339	4.75
54	MP4C	Mx	.003	4.75
55	MP1A	X	-14.307	1.25
56	MP1A	Z	24.781	1.25
57	MP1A	Mx	.007	1.25
58	MP1A	X	-14.307	6.75
59	MP1A	Z	24.781	6.75
60	MP1A	Mx	.007	6.75
61	MP1B	X	-10.129	1.25
62	MP1B	Z	17.544	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	MP1B	Mx	-.01	1.25
64	MP1B	X	-10.129	6.75
65	MP1B	Z	17.544	6.75
66	MP1B	Mx	-.01	6.75
67	MP1C	X	-13.23	1.25
68	MP1C	Z	22.916	1.25
69	MP1C	Mx	.009	1.25
70	MP1C	X	-13.23	6.75
71	MP1C	Z	22.916	6.75
72	MP1C	Mx	.009	6.75
73	MP2A	X	-7.671	3
74	MP2A	Z	13.287	3
75	MP2A	Mx	-.004	3
76	MP2B	X	-6.236	3
77	MP2B	Z	10.801	3
78	MP2B	Mx	.006	3
79	MP2C	X	-8.221	3
80	MP2C	Z	14.239	3
81	MP2C	Mx	-.003	3
82	MP3A	X	-7.348	3
83	MP3A	Z	12.726	3
84	MP3A	Mx	-.004	3
85	MP3B	X	-5.367	3
86	MP3B	Z	9.295	3
87	MP3B	Mx	.005	3
88	MP3C	X	-8.106	3
89	MP3C	Z	14.039	3
90	MP3C	Mx	-.003	3
91	OVP	X	-11.812	1
92	OVP	Z	20.458	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-29.009	1.5
2	MP2A	Z	16.749	1.5
3	MP2A	Mx	.026	1.5
4	MP2A	X	-29.009	6.5
5	MP2A	Z	16.749	6.5
6	MP2A	Mx	.026	6.5
7	MP2B	X	-31.917	1.5
8	MP2B	Z	18.427	1.5
9	MP2B	Mx	.008	1.5
10	MP2B	X	-31.917	6.5
11	MP2B	Z	18.427	6.5
12	MP2B	Mx	.008	6.5
13	MP2C	X	-35.223	1.5
14	MP2C	Z	20.336	1.5
15	MP2C	Mx	-.032	1.5
16	MP2C	X	-35.223	6.5
17	MP2C	Z	20.336	6.5
18	MP2C	Mx	-.032	6.5
19	MP2A	X	-29.009	1.5
20	MP2A	Z	16.749	1.5
21	MP2A	Mx	.003	1.5
22	MP2A	X	-29.009	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
23	MP2A	Z	16.749	6.5
24	MP2A	Mx	.003	6.5
25	MP2B	X	-31.917	1.5
26	MP2B	Z	18.427	1.5
27	MP2B	Mx	-.032	1.5
28	MP2B	X	-31.917	6.5
29	MP2B	Z	18.427	6.5
30	MP2B	Mx	-.032	6.5
31	MP2C	X	-35.223	1.5
32	MP2C	Z	20.336	1.5
33	MP2C	Mx	.032	1.5
34	MP2C	X	-35.223	6.5
35	MP2C	Z	20.336	6.5
36	MP2C	Mx	.032	6.5
37	MP4A	X	-9.981	3.25
38	MP4A	Z	5.763	3.25
39	MP4A	Mx	.005	3.25
40	MP4A	X	-9.981	4.75
41	MP4A	Z	5.763	4.75
42	MP4A	Mx	.005	4.75
43	MP4B	X	-13.364	3.25
44	MP4B	Z	7.716	3.25
45	MP4B	Mx	-.005	3.25
46	MP4B	X	-13.364	4.75
47	MP4B	Z	7.716	4.75
48	MP4B	Mx	-.005	4.75
49	MP4C	X	-17.211	3.25
50	MP4C	Z	9.937	3.25
51	MP4C	Mx	-.002	3.25
52	MP4C	X	-17.211	4.75
53	MP4C	Z	9.937	4.75
54	MP4C	Mx	-.002	4.75
55	MP1A	X	-19.065	1.25
56	MP1A	Z	11.007	1.25
57	MP1A	Mx	.01	1.25
58	MP1A	X	-19.065	6.75
59	MP1A	Z	11.007	6.75
60	MP1A	Mx	.01	6.75
61	MP1B	X	-22.916	1.25
62	MP1B	Z	13.23	1.25
63	MP1B	Mx	-.009	1.25
64	MP1B	X	-22.916	6.75
65	MP1B	Z	13.23	6.75
66	MP1B	Mx	-.009	6.75
67	MP1C	X	-27.294	1.25
68	MP1C	Z	15.758	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	-27.294	6.75
71	MP1C	Z	15.758	6.75
72	MP1C	Mx	.003	6.75
73	MP2A	X	-11.078	3
74	MP2A	Z	6.396	3
75	MP2A	Mx	-.006	3
76	MP2B	X	-12.91	3
77	MP2B	Z	7.453	3
78	MP2B	Mx	.005	3
79	MP2C	X	-14.628	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	8.446	3
81	MP2C	Mx	.001	3
82	MP3A	X	-9.677	3
83	MP3A	Z	5.587	3
84	MP3A	Mx	-.005	3
85	MP3B	X	-12.205	3
86	MP3B	Z	7.047	3
87	MP3B	Mx	.005	3
88	MP3C	X	-14.577	3
89	MP3C	Z	8.416	3
90	MP3C	Mx	.001	3
91	OVP	X	-24.664	1
92	OVP	Z	14.24	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-31.005	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.016	1.5
4	MP2A	X	-31.005	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	.016	6.5
7	MP2B	X	-40.672	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.025	1.5
10	MP2B	X	-40.672	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.025	6.5
13	MP2C	X	-36.854	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.032	1.5
16	MP2C	X	-36.854	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	-.032	6.5
19	MP2A	X	-31.005	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.016	1.5
22	MP2A	X	-31.005	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.016	6.5
25	MP2B	X	-40.672	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.032	1.5
28	MP2B	X	-40.672	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.032	6.5
31	MP2C	X	-39.807	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.02	1.5
34	MP2C	X	-39.807	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.02	6.5
37	MP4A	X	-8.626	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4A	X	-8.626	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	.004	4.75
43	MP4B	X	-19.874	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	-.002	3.25
46	MP4B	X	-19.874	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	-.002	4.75
49	MP4C	X	-15.432	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	-.005	3.25
52	MP4C	X	-15.432	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	-.005	4.75
55	MP1A	X	-18.714	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.009	1.25
58	MP1A	X	-18.714	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	.009	6.75
61	MP1B	X	-31.517	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	-31.517	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	-.003	6.75
67	MP1C	X	-30.371	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.005	1.25
70	MP1C	X	-30.371	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	-.005	6.75
73	MP2A	X	-11.905	3
74	MP2A	Z	0	3
75	MP2A	Mx	-.006	3
76	MP2B	X	-16.891	3
77	MP2B	Z	0	3
78	MP2B	Mx	.001	3
79	MP2C	X	-14.907	3
80	MP2C	Z	0	3
81	MP2C	Mx	.005	3
82	MP3A	X	-9.951	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.005	3
85	MP3B	X	-16.832	3
86	MP3B	Z	0	3
87	MP3B	Mx	.001	3
88	MP3C	X	-14.093	3
89	MP3C	Z	0	3
90	MP3C	Mx	.005	3
91	OVP	X	-32.438	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-29.009	1.5
2	MP2A	Z	-16.749	1.5
3	MP2A	Mx	.003	1.5
4	MP2A	X	-29.009	6.5
5	MP2A	Z	-16.749	6.5
6	MP2A	Mx	.003	6.5
7	MP2B	X	-34.474	1.5
8	MP2B	Z	-19.903	1.5
9	MP2B	Mx	.033	1.5
10	MP2B	X	-34.474	6.5
11	MP2B	Z	-19.903	6.5
12	MP2B	Mx	.033	6.5
13	MP2C	X	-27.861	1.5
14	MP2C	Z	-16.086	1.5
15	MP2C	Mx	-.023	1.5
16	MP2C	X	-27.861	6.5
17	MP2C	Z	-16.086	6.5
18	MP2C	Mx	-.023	6.5
19	MP2A	X	-29.009	1.5
20	MP2A	Z	-16.749	1.5
21	MP2A	Mx	.026	1.5
22	MP2A	X	-29.009	6.5
23	MP2A	Z	-16.749	6.5
24	MP2A	Mx	.026	6.5
25	MP2B	X	-34.474	1.5
26	MP2B	Z	-19.903	1.5
27	MP2B	Mx	-.02	1.5
28	MP2B	X	-34.474	6.5
29	MP2B	Z	-19.903	6.5
30	MP2B	Mx	-.02	6.5
31	MP2C	X	-30.418	1.5
32	MP2C	Z	-17.562	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	-30.418	6.5
35	MP2C	Z	-17.562	6.5
36	MP2C	Mx	.003	6.5
37	MP4A	X	-9.981	3.25
38	MP4A	Z	-5.763	3.25
39	MP4A	Mx	.005	3.25
40	MP4A	X	-9.981	4.75
41	MP4A	Z	-5.763	4.75
42	MP4A	Mx	.005	4.75
43	MP4B	X	-16.339	3.25
44	MP4B	Z	-9.433	3.25
45	MP4B	Mx	.003	3.25
46	MP4B	X	-16.339	4.75
47	MP4B	Z	-9.433	4.75
48	MP4B	Mx	.003	4.75
49	MP4C	X	-8.645	3.25
50	MP4C	Z	-4.991	3.25
51	MP4C	Mx	-.005	3.25
52	MP4C	X	-8.645	4.75
53	MP4C	Z	-4.991	4.75
54	MP4C	Mx	-.005	4.75
55	MP1A	X	-19.065	1.25
56	MP1A	Z	-11.007	1.25
57	MP1A	Mx	.01	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1A	X	-19.065	6.75
59	MP1A	Z	-11.007	6.75
60	MP1A	Mx	.01	6.75
61	MP1B	X	-26.302	1.25
62	MP1B	Z	-15.185	1.25
63	MP1B	Mx	.005	1.25
64	MP1B	X	-26.302	6.75
65	MP1B	Z	-15.185	6.75
66	MP1B	Mx	.005	6.75
67	MP1C	X	-20.93	1.25
68	MP1C	Z	-12.084	1.25
69	MP1C	Mx	-.009	1.25
70	MP1C	X	-20.93	6.75
71	MP1C	Z	-12.084	6.75
72	MP1C	Mx	-.009	6.75
73	MP2A	X	-11.752	3
74	MP2A	Z	-6.785	3
75	MP2A	Mx	-.006	3
76	MP2B	X	-14.239	3
77	MP2B	Z	-8.221	3
78	MP2B	Mx	-.003	3
79	MP2C	X	-10.801	3
80	MP2C	Z	-6.236	3
81	MP2C	Mx	.006	3
82	MP3A	X	-10.608	3
83	MP3A	Z	-6.125	3
84	MP3A	Mx	-.005	3
85	MP3B	X	-14.039	3
86	MP3B	Z	-8.106	3
87	MP3B	Mx	-.003	3
88	MP3C	X	-9.295	3
89	MP3C	Z	-5.367	3
90	MP3C	Mx	.005	3
91	OVP	X	-27.315	1
92	OVP	Z	-15.77	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-19.24	1.5
2	MP2A	Z	-33.325	1.5
3	MP2A	Mx	-.014	1.5
4	MP2A	X	-19.24	6.5
5	MP2A	Z	-33.325	6.5
6	MP2A	Mx	-.014	6.5
7	MP2B	X	-17.562	1.5
8	MP2B	Z	-30.418	1.5
9	MP2B	Mx	.029	1.5
10	MP2B	X	-17.562	6.5
11	MP2B	Z	-30.418	6.5
12	MP2B	Mx	.029	6.5
13	MP2C	X	-15.653	1.5
14	MP2C	Z	-27.112	1.5
15	MP2C	Mx	-.012	1.5
16	MP2C	X	-15.653	6.5
17	MP2C	Z	-27.112	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP2C	Mx	-.012	6.5
19	MP2A	X	-19.24	1.5
20	MP2A	Z	-33.325	1.5
21	MP2A	Mx	.033	1.5
22	MP2A	X	-19.24	6.5
23	MP2A	Z	-33.325	6.5
24	MP2A	Mx	.033	6.5
25	MP2B	X	-17.562	1.5
26	MP2B	Z	-30.418	1.5
27	MP2B	Mx	-.003	1.5
28	MP2B	X	-17.562	6.5
29	MP2B	Z	-30.418	6.5
30	MP2B	Mx	-.003	6.5
31	MP2C	X	-15.653	1.5
32	MP2C	Z	-27.112	1.5
33	MP2C	Mx	-.012	1.5
34	MP2C	X	-15.653	6.5
35	MP2C	Z	-27.112	6.5
36	MP2C	Mx	-.012	6.5
37	MP4A	X	-8.662	3.25
38	MP4A	Z	-15.003	3.25
39	MP4A	Mx	.004	3.25
40	MP4A	X	-8.662	4.75
41	MP4A	Z	-15.003	4.75
42	MP4A	Mx	.004	4.75
43	MP4B	X	-6.709	3.25
44	MP4B	Z	-11.62	3.25
45	MP4B	Mx	.005	3.25
46	MP4B	X	-6.709	4.75
47	MP4B	Z	-11.62	4.75
48	MP4B	Mx	.005	4.75
49	MP4C	X	-4.488	3.25
50	MP4C	Z	-7.773	3.25
51	MP4C	Mx	-.004	3.25
52	MP4C	X	-4.488	4.75
53	MP4C	Z	-7.773	4.75
54	MP4C	Mx	-.004	4.75
55	MP1A	X	-14.307	1.25
56	MP1A	Z	-24.781	1.25
57	MP1A	Mx	.007	1.25
58	MP1A	X	-14.307	6.75
59	MP1A	Z	-24.781	6.75
60	MP1A	Mx	.007	6.75
61	MP1B	X	-12.084	1.25
62	MP1B	Z	-20.93	1.25
63	MP1B	Mx	.009	1.25
64	MP1B	X	-12.084	6.75
65	MP1B	Z	-20.93	6.75
66	MP1B	Mx	.009	6.75
67	MP1C	X	-9.556	1.25
68	MP1C	Z	-16.552	1.25
69	MP1C	Mx	-.009	1.25
70	MP1C	X	-9.556	6.75
71	MP1C	Z	-16.552	6.75
72	MP1C	Mx	-.009	6.75
73	MP2A	X	-8.061	3
74	MP2A	Z	-13.962	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2A	Mx	-.003	3
76	MP2B	X	-7.003	3
77	MP2B	Z	-12.13	3
78	MP2B	Mx	-.005	3
79	MP2C	X	-6.011	3
80	MP2C	Z	-10.411	3
81	MP2C	Mx	.006	3
82	MP3A	X	-7.885	3
83	MP3A	Z	-13.658	3
84	MP3A	Mx	-.003	3
85	MP3B	X	-6.426	3
86	MP3B	Z	-11.13	3
87	MP3B	Mx	-.005	3
88	MP3C	X	-5.056	3
89	MP3C	Z	-8.757	3
90	MP3C	Mx	.005	3
91	OVP	X	-13.342	1
92	OVP	Z	-23.109	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1.5
2	MP2A	Z	-13.508	1.5
3	MP2A	Mx	-.01	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	-13.508	6.5
6	MP2A	Mx	-.01	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	-10.147	1.5
9	MP2B	Mx	.006	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	-10.147	6.5
12	MP2B	Mx	.006	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	-11.474	1.5
15	MP2C	Mx	.000829	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	-11.474	6.5
18	MP2C	Mx	.000829	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-13.508	1.5
21	MP2A	Mx	.01	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-13.508	6.5
24	MP2A	Mx	.01	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	-10.147	1.5
27	MP2B	Mx	.004	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-10.147	6.5
30	MP2B	Mx	.004	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-10.448	1.5
33	MP2C	Mx	-.007	1.5
34	MP2C	X	0	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
35	MP2C	Z	-10.448	6.5
36	MP2C	Mx	-.007	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	-6.432	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	-6.432	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	-2.636	3.25
45	MP4B	Mx	.001	3.25
46	MP4B	X	0	4.75
47	MP4B	Z	-2.636	4.75
48	MP4B	Mx	.001	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	-4.135	3.25
51	MP4C	Mx	-.002	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	-4.135	4.75
54	MP4C	Mx	-.002	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	-10.36	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	6.75
59	MP1A	Z	-10.36	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	-5.832	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	-5.832	6.75
66	MP1B	Mx	.003	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	-6.237	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	-6.237	6.75
72	MP1C	Mx	-.003	6.75
73	MP2A	X	0	3
74	MP2A	Z	-5.102	3
75	MP2A	Mx	.000222	3
76	MP2B	X	0	3
77	MP2B	Z	-3.47	3
78	MP2B	Mx	-.002	3
79	MP2C	X	0	3
80	MP2C	Z	-4.12	3
81	MP2C	Mx	.002	3
82	MP3A	X	0	3
83	MP3A	Z	-5.097	3
84	MP3A	Mx	.000222	3
85	MP3B	X	0	3
86	MP3B	Z	-2.84	3
87	MP3B	Mx	-.001	3
88	MP3C	X	0	3
89	MP3C	Z	-3.739	3
90	MP3C	Mx	.001	3
91	OVP	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	-6.959	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.321	1.5
2	MP2A	Z	-10.948	1.5
3	MP2A	Mx	-.011	1.5
4	MP2A	X	6.321	6.5
5	MP2A	Z	-10.948	6.5
6	MP2A	Mx	-.011	6.5
7	MP2B	X	5.224	1.5
8	MP2B	Z	-9.048	1.5
9	MP2B	Mx	.002	1.5
10	MP2B	X	5.224	6.5
11	MP2B	Z	-9.048	6.5
12	MP2B	Mx	.002	6.5
13	MP2C	X	6.551	1.5
14	MP2C	Z	-11.347	1.5
15	MP2C	Mx	.006	1.5
16	MP2C	X	6.551	6.5
17	MP2C	Z	-11.347	6.5
18	MP2C	Mx	.006	6.5
19	MP2A	X	6.321	1.5
20	MP2A	Z	-10.948	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	6.321	6.5
23	MP2A	Z	-10.948	6.5
24	MP2A	Mx	.005	6.5
25	MP2B	X	5.224	1.5
26	MP2B	Z	-9.048	1.5
27	MP2B	Mx	.007	1.5
28	MP2B	X	5.224	6.5
29	MP2B	Z	-9.048	6.5
30	MP2B	Mx	.007	6.5
31	MP2C	X	6.038	1.5
32	MP2C	Z	-10.458	1.5
33	MP2C	Mx	-.01	1.5
34	MP2C	X	6.038	6.5
35	MP2C	Z	-10.458	6.5
36	MP2C	Mx	-.01	6.5
37	MP4A	X	2.727	3.25
38	MP4A	Z	-4.723	3.25
39	MP4A	Mx	-.001	3.25
40	MP4A	X	2.727	4.75
41	MP4A	Z	-4.723	4.75
42	MP4A	Mx	-.001	4.75
43	MP4B	X	1.488	3.25
44	MP4B	Z	-2.577	3.25
45	MP4B	Mx	.001	3.25
46	MP4B	X	1.488	4.75
47	MP4B	Z	-2.577	4.75
48	MP4B	Mx	.001	4.75
49	MP4C	X	2.987	3.25
50	MP4C	Z	-5.174	3.25
51	MP4C	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	2.987	4.75
53	MP4C	Z	-5.174	4.75
54	MP4C	Mx	-.001	4.75
55	MP1A	X	4.596	1.25
56	MP1A	Z	-7.961	1.25
57	MP1A	Mx	-.002	1.25
58	MP1A	X	4.596	6.75
59	MP1A	Z	-7.961	6.75
60	MP1A	Mx	-.002	6.75
61	MP1B	X	3.118	1.25
62	MP1B	Z	-5.401	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	3.118	6.75
65	MP1B	Z	-5.401	6.75
66	MP1B	Mx	.003	6.75
67	MP1C	X	4.215	1.25
68	MP1C	Z	-7.301	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	4.215	6.75
71	MP1C	Z	-7.301	6.75
72	MP1C	Mx	-.003	6.75
73	MP2A	X	2.279	3
74	MP2A	Z	-3.947	3
75	MP2A	Mx	.001	3
76	MP2B	X	1.809	3
77	MP2B	Z	-3.133	3
78	MP2B	Mx	-.002	3
79	MP2C	X	2.458	3
80	MP2C	Z	-4.258	3
81	MP2C	Mx	.000841	3
82	MP3A	X	2.172	3
83	MP3A	Z	-3.762	3
84	MP3A	Mx	.001	3
85	MP3B	X	1.522	3
86	MP3B	Z	-2.636	3
87	MP3B	Mx	-.001	3
88	MP3C	X	2.42	3
89	MP3C	Z	-4.192	3
90	MP3C	Mx	.000828	3
91	OVP	X	3.631	1
92	OVP	Z	-6.29	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.447	1.5
2	MP2A	Z	-5.455	1.5
3	MP2A	Mx	-.009	1.5
4	MP2A	X	9.447	6.5
5	MP2A	Z	-5.455	6.5
6	MP2A	Mx	-.009	6.5
7	MP2B	X	10.458	1.5
8	MP2B	Z	-6.038	1.5
9	MP2B	Mx	-.003	1.5
10	MP2B	X	10.458	6.5
11	MP2B	Z	-6.038	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-.003	6.5
13	MP2C	X	11.608	1.5
14	MP2C	Z	-6.702	1.5
15	MP2C	Mx	.011	1.5
16	MP2C	X	11.608	6.5
17	MP2C	Z	-6.702	6.5
18	MP2C	Mx	.011	6.5
19	MP2A	X	9.447	1.5
20	MP2A	Z	-5.455	1.5
21	MP2A	Mx	-.00086	1.5
22	MP2A	X	9.447	6.5
23	MP2A	Z	-5.455	6.5
24	MP2A	Mx	-.00086	6.5
25	MP2B	X	10.458	1.5
26	MP2B	Z	-6.038	1.5
27	MP2B	Mx	.01	1.5
28	MP2B	X	10.458	6.5
29	MP2B	Z	-6.038	6.5
30	MP2B	Mx	.01	6.5
31	MP2C	X	11.608	1.5
32	MP2C	Z	-6.702	1.5
33	MP2C	Mx	-.011	1.5
34	MP2C	X	11.608	6.5
35	MP2C	Z	-6.702	6.5
36	MP2C	Mx	-.011	6.5
37	MP4A	X	3.028	3.25
38	MP4A	Z	-1.748	3.25
39	MP4A	Mx	-.002	3.25
40	MP4A	X	3.028	4.75
41	MP4A	Z	-1.748	4.75
42	MP4A	Mx	-.002	4.75
43	MP4B	X	4.17	3.25
44	MP4B	Z	-2.408	3.25
45	MP4B	Mx	.002	3.25
46	MP4B	X	4.17	4.75
47	MP4B	Z	-2.408	4.75
48	MP4B	Mx	.002	4.75
49	MP4C	X	5.468	3.25
50	MP4C	Z	-3.157	3.25
51	MP4C	Mx	.000548	3.25
52	MP4C	X	5.468	4.75
53	MP4C	Z	-3.157	4.75
54	MP4C	Mx	.000548	4.75
55	MP1A	X	5.939	1.25
56	MP1A	Z	-3.429	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	5.939	6.75
59	MP1A	Z	-3.429	6.75
60	MP1A	Mx	-.003	6.75
61	MP1B	X	7.301	1.25
62	MP1B	Z	-4.215	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	7.301	6.75
65	MP1B	Z	-4.215	6.75
66	MP1B	Mx	.003	6.75
67	MP1C	X	8.85	1.25
68	MP1C	Z	-5.11	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1C	Mx	-.000887	1.25
70	MP1C	X	8.85	6.75
71	MP1C	Z	-5.11	6.75
72	MP1C	Mx	-.000887	6.75
73	MP2A	X	3.223	3
74	MP2A	Z	-1.861	3
75	MP2A	Mx	.002	3
76	MP2B	X	3.823	3
77	MP2B	Z	-2.207	3
78	MP2B	Mx	-.001	3
79	MP2C	X	4.386	3
80	MP2C	Z	-2.532	3
81	MP2C	Mx	-.00044	3
82	MP3A	X	2.761	3
83	MP3A	Z	-1.594	3
84	MP3A	Mx	.001	3
85	MP3B	X	3.591	3
86	MP3B	Z	-2.073	3
87	MP3B	Mx	-.001	3
88	MP3C	X	4.369	3
89	MP3C	Z	-2.522	3
90	MP3C	Mx	-.000438	3
91	OVP	X	7.714	1
92	OVP	Z	-4.454	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.043	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	-.005	1.5
4	MP2A	X	10.043	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	-.005	6.5
7	MP2B	X	13.404	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	-.008	1.5
10	MP2B	X	13.404	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	-.008	6.5
13	MP2C	X	12.076	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	.01	1.5
16	MP2C	X	12.076	6.5
17	MP2C	Z	0	6.5
18	MP2C	Mx	.01	6.5
19	MP2A	X	10.043	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	10.043	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.005	6.5
25	MP2B	X	13.404	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.011	1.5
28	MP2B	X	13.404	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP2B	Z	0	6.5
30	MP2B	Mx	.011	6.5
31	MP2C	X	13.103	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.006	1.5
34	MP2C	X	13.103	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.006	6.5
37	MP4A	X	2.518	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	-.001	3.25
40	MP4A	X	2.518	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	-.001	4.75
43	MP4B	X	6.314	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	.000548	3.25
46	MP4B	X	6.314	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	.000548	4.75
49	MP4C	X	4.815	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	.002	3.25
52	MP4C	X	4.815	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	.002	4.75
55	MP1A	X	5.691	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	5.691	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	-.003	6.75
61	MP1B	X	10.219	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.000887	1.25
64	MP1B	X	10.219	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	.000887	6.75
67	MP1C	X	9.814	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.002	1.25
70	MP1C	X	9.814	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	.002	6.75
73	MP2A	X	3.432	3
74	MP2A	Z	0	3
75	MP2A	Mx	.002	3
76	MP2B	X	5.064	3
77	MP2B	Z	0	3
78	MP2B	Mx	-.00044	3
79	MP2C	X	4.414	3
80	MP2C	Z	0	3
81	MP2C	Mx	-.001	3
82	MP3A	X	2.787	3
83	MP3A	Z	0	3
84	MP3A	Mx	.001	3
85	MP3B	X	5.044	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3B	Z	0	3
87	MP3B	Mx	-.000438	3
88	MP3C	X	4.146	3
89	MP3C	Z	0	3
90	MP3C	Mx	-.001	3
91	OVP	X	10.248	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.447	1.5
2	MP2A	Z	5.455	1.5
3	MP2A	Mx	-.00086	1.5
4	MP2A	X	9.447	6.5
5	MP2A	Z	5.455	6.5
6	MP2A	Mx	-.00086	6.5
7	MP2B	X	11.347	1.5
8	MP2B	Z	6.551	1.5
9	MP2B	Mx	-.011	1.5
10	MP2B	X	11.347	6.5
11	MP2B	Z	6.551	6.5
12	MP2B	Mx	-.011	6.5
13	MP2C	X	9.048	1.5
14	MP2C	Z	5.224	1.5
15	MP2C	Mx	.007	1.5
16	MP2C	X	9.048	6.5
17	MP2C	Z	5.224	6.5
18	MP2C	Mx	.007	6.5
19	MP2A	X	9.447	1.5
20	MP2A	Z	5.455	1.5
21	MP2A	Mx	-.009	1.5
22	MP2A	X	9.447	6.5
23	MP2A	Z	5.455	6.5
24	MP2A	Mx	-.009	6.5
25	MP2B	X	11.347	1.5
26	MP2B	Z	6.551	1.5
27	MP2B	Mx	.006	1.5
28	MP2B	X	11.347	6.5
29	MP2B	Z	6.551	6.5
30	MP2B	Mx	.006	6.5
31	MP2C	X	9.937	1.5
32	MP2C	Z	5.737	1.5
33	MP2C	Mx	-.00083	1.5
34	MP2C	X	9.937	6.5
35	MP2C	Z	5.737	6.5
36	MP2C	Mx	-.00083	6.5
37	MP4A	X	3.028	3.25
38	MP4A	Z	1.748	3.25
39	MP4A	Mx	-.002	3.25
40	MP4A	X	3.028	4.75
41	MP4A	Z	1.748	4.75
42	MP4A	Mx	-.002	4.75
43	MP4B	X	5.174	3.25
44	MP4B	Z	2.987	3.25
45	MP4B	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP4B	X	5.174	4.75
47	MP4B	Z	2.987	4.75
48	MP4B	Mx	-.001	4.75
49	MP4C	X	2.577	3.25
50	MP4C	Z	1.488	3.25
51	MP4C	Mx	.001	3.25
52	MP4C	X	2.577	4.75
53	MP4C	Z	1.488	4.75
54	MP4C	Mx	.001	4.75
55	MP1A	X	5.939	1.25
56	MP1A	Z	3.429	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	5.939	6.75
59	MP1A	Z	3.429	6.75
60	MP1A	Mx	-.003	6.75
61	MP1B	X	8.499	1.25
62	MP1B	Z	4.907	1.25
63	MP1B	Mx	-.002	1.25
64	MP1B	X	8.499	6.75
65	MP1B	Z	4.907	6.75
66	MP1B	Mx	-.002	6.75
67	MP1C	X	6.599	1.25
68	MP1C	Z	3.81	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	6.599	6.75
71	MP1C	Z	3.81	6.75
72	MP1C	Mx	.003	6.75
73	MP2A	X	3.444	3
74	MP2A	Z	1.989	3
75	MP2A	Mx	.002	3
76	MP2B	X	4.258	3
77	MP2B	Z	2.458	3
78	MP2B	Mx	.000841	3
79	MP2C	X	3.133	3
80	MP2C	Z	1.809	3
81	MP2C	Mx	-.002	3
82	MP3A	X	3.067	3
83	MP3A	Z	1.771	3
84	MP3A	Mx	.001	3
85	MP3B	X	4.192	3
86	MP3B	Z	2.42	3
87	MP3B	Mx	.000828	3
88	MP3C	X	2.636	3
89	MP3C	Z	1.522	3
90	MP3C	Mx	-.001	3
91	OVP	X	8.612	1
92	OVP	Z	4.972	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	6.321	1.5
2	MP2A	Z	10.948	1.5
3	MP2A	Mx	.005	1.5
4	MP2A	X	6.321	6.5
5	MP2A	Z	10.948	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.005	6.5
7	MP2B	X	5.737	1.5
8	MP2B	Z	9.937	1.5
9	MP2B	Mx	-.01	1.5
10	MP2B	X	5.737	6.5
11	MP2B	Z	9.937	6.5
12	MP2B	Mx	-.01	6.5
13	MP2C	X	5.074	1.5
14	MP2C	Z	8.788	1.5
15	MP2C	Mx	.004	1.5
16	MP2C	X	5.074	6.5
17	MP2C	Z	8.788	6.5
18	MP2C	Mx	.004	6.5
19	MP2A	X	6.321	1.5
20	MP2A	Z	10.948	1.5
21	MP2A	Mx	-.011	1.5
22	MP2A	X	6.321	6.5
23	MP2A	Z	10.948	6.5
24	MP2A	Mx	-.011	6.5
25	MP2B	X	5.737	1.5
26	MP2B	Z	9.937	1.5
27	MP2B	Mx	.000829	1.5
28	MP2B	X	5.737	6.5
29	MP2B	Z	9.937	6.5
30	MP2B	Mx	.000829	6.5
31	MP2C	X	5.074	1.5
32	MP2C	Z	8.788	1.5
33	MP2C	Mx	.004	1.5
34	MP2C	X	5.074	6.5
35	MP2C	Z	8.788	6.5
36	MP2C	Mx	.004	6.5
37	MP4A	X	2.727	3.25
38	MP4A	Z	4.723	3.25
39	MP4A	Mx	-.001	3.25
40	MP4A	X	2.727	4.75
41	MP4A	Z	4.723	4.75
42	MP4A	Mx	-.001	4.75
43	MP4B	X	2.068	3.25
44	MP4B	Z	3.581	3.25
45	MP4B	Mx	-.002	3.25
46	MP4B	X	2.068	4.75
47	MP4B	Z	3.581	4.75
48	MP4B	Mx	-.002	4.75
49	MP4C	X	1.318	3.25
50	MP4C	Z	2.283	3.25
51	MP4C	Mx	.001	3.25
52	MP4C	X	1.318	4.75
53	MP4C	Z	2.283	4.75
54	MP4C	Mx	.001	4.75
55	MP1A	X	4.596	1.25
56	MP1A	Z	7.961	1.25
57	MP1A	Mx	-.002	1.25
58	MP1A	X	4.596	6.75
59	MP1A	Z	7.961	6.75
60	MP1A	Mx	-.002	6.75
61	MP1B	X	3.81	1.25
62	MP1B	Z	6.599	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
63	MP1B	Mx	-.003	1.25
64	MP1B	X	3.81	6.75
65	MP1B	Z	6.599	6.75
66	MP1B	Mx	-.003	6.75
67	MP1C	X	2.916	1.25
68	MP1C	Z	5.05	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	2.916	6.75
71	MP1C	Z	5.05	6.75
72	MP1C	Mx	.003	6.75
73	MP2A	X	2.406	3
74	MP2A	Z	4.168	3
75	MP2A	Mx	.001	3
76	MP2B	X	2.06	3
77	MP2B	Z	3.568	3
78	MP2B	Mx	.002	3
79	MP2C	X	1.735	3
80	MP2C	Z	3.005	3
81	MP2C	Mx	-.002	3
82	MP3A	X	2.348	3
83	MP3A	Z	4.067	3
84	MP3A	Mx	.000992	3
85	MP3B	X	1.869	3
86	MP3B	Z	3.238	3
87	MP3B	Mx	.001	3
88	MP3C	X	1.42	3
89	MP3C	Z	2.46	3
90	MP3C	Mx	-.001	3
91	OVP	X	4.15	1
92	OVP	Z	7.188	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP2A	X	0	1.5
2	MP2A	Z	13.508	1.5
3	MP2A	Mx	.01	1.5
4	MP2A	X	0	6.5
5	MP2A	Z	13.508	6.5
6	MP2A	Mx	.01	6.5
7	MP2B	X	0	1.5
8	MP2B	Z	10.147	1.5
9	MP2B	Mx	-.006	1.5
10	MP2B	X	0	6.5
11	MP2B	Z	10.147	6.5
12	MP2B	Mx	-.006	6.5
13	MP2C	X	0	1.5
14	MP2C	Z	11.474	1.5
15	MP2C	Mx	-.000829	1.5
16	MP2C	X	0	6.5
17	MP2C	Z	11.474	6.5
18	MP2C	Mx	-.000829	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	13.508	1.5
21	MP2A	Mx	-.01	1.5
22	MP2A	X	0	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
23	MP2A	Z	13.508	6.5
24	MP2A	Mx	-.01	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	10.147	1.5
27	MP2B	Mx	-.004	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	10.147	6.5
30	MP2B	Mx	-.004	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	10.448	1.5
33	MP2C	Mx	.007	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	10.448	6.5
36	MP2C	Mx	.007	6.5
37	MP4A	X	0	3.25
38	MP4A	Z	6.432	3.25
39	MP4A	Mx	0	3.25
40	MP4A	X	0	4.75
41	MP4A	Z	6.432	4.75
42	MP4A	Mx	0	4.75
43	MP4B	X	0	3.25
44	MP4B	Z	2.636	3.25
45	MP4B	Mx	-.001	3.25
46	MP4B	X	0	4.75
47	MP4B	Z	2.636	4.75
48	MP4B	Mx	-.001	4.75
49	MP4C	X	0	3.25
50	MP4C	Z	4.135	3.25
51	MP4C	Mx	.002	3.25
52	MP4C	X	0	4.75
53	MP4C	Z	4.135	4.75
54	MP4C	Mx	.002	4.75
55	MP1A	X	0	1.25
56	MP1A	Z	10.36	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	6.75
59	MP1A	Z	10.36	6.75
60	MP1A	Mx	0	6.75
61	MP1B	X	0	1.25
62	MP1B	Z	5.832	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	0	6.75
65	MP1B	Z	5.832	6.75
66	MP1B	Mx	-.003	6.75
67	MP1C	X	0	1.25
68	MP1C	Z	6.237	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	0	6.75
71	MP1C	Z	6.237	6.75
72	MP1C	Mx	.003	6.75
73	MP2A	X	0	3
74	MP2A	Z	5.102	3
75	MP2A	Mx	-.000222	3
76	MP2B	X	0	3
77	MP2B	Z	3.47	3
78	MP2B	Mx	.002	3
79	MP2C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	4.12	3
81	MP2C	Mx	-.002	3
82	MP3A	X	0	3
83	MP3A	Z	5.097	3
84	MP3A	Mx	-.000222	3
85	MP3B	X	0	3
86	MP3B	Z	2.84	3
87	MP3B	Mx	.001	3
88	MP3C	X	0	3
89	MP3C	Z	3.739	3
90	MP3C	Mx	-.001	3
91	OVP	X	0	1
92	OVP	Z	6.959	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.321	1.5
2	MP2A	Z	10.948	1.5
3	MP2A	Mx	.011	1.5
4	MP2A	X	-6.321	6.5
5	MP2A	Z	10.948	6.5
6	MP2A	Mx	.011	6.5
7	MP2B	X	-5.224	1.5
8	MP2B	Z	9.048	1.5
9	MP2B	Mx	-.002	1.5
10	MP2B	X	-5.224	6.5
11	MP2B	Z	9.048	6.5
12	MP2B	Mx	-.002	6.5
13	MP2C	X	-6.551	1.5
14	MP2C	Z	11.347	1.5
15	MP2C	Mx	-.006	1.5
16	MP2C	X	-6.551	6.5
17	MP2C	Z	11.347	6.5
18	MP2C	Mx	-.006	6.5
19	MP2A	X	-6.321	1.5
20	MP2A	Z	10.948	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	-6.321	6.5
23	MP2A	Z	10.948	6.5
24	MP2A	Mx	-.005	6.5
25	MP2B	X	-5.224	1.5
26	MP2B	Z	9.048	1.5
27	MP2B	Mx	-.007	1.5
28	MP2B	X	-5.224	6.5
29	MP2B	Z	9.048	6.5
30	MP2B	Mx	-.007	6.5
31	MP2C	X	-6.038	1.5
32	MP2C	Z	10.458	1.5
33	MP2C	Mx	.01	1.5
34	MP2C	X	-6.038	6.5
35	MP2C	Z	10.458	6.5
36	MP2C	Mx	.01	6.5
37	MP4A	X	-2.727	3.25
38	MP4A	Z	4.723	3.25
39	MP4A	Mx	.001	3.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP4A	X	-2.727	4.75
41	MP4A	Z	4.723	4.75
42	MP4A	Mx	.001	4.75
43	MP4B	X	-1.488	3.25
44	MP4B	Z	2.577	3.25
45	MP4B	Mx	-.001	3.25
46	MP4B	X	-1.488	4.75
47	MP4B	Z	2.577	4.75
48	MP4B	Mx	-.001	4.75
49	MP4C	X	-2.987	3.25
50	MP4C	Z	5.174	3.25
51	MP4C	Mx	.001	3.25
52	MP4C	X	-2.987	4.75
53	MP4C	Z	5.174	4.75
54	MP4C	Mx	.001	4.75
55	MP1A	X	-4.596	1.25
56	MP1A	Z	7.961	1.25
57	MP1A	Mx	.002	1.25
58	MP1A	X	-4.596	6.75
59	MP1A	Z	7.961	6.75
60	MP1A	Mx	.002	6.75
61	MP1B	X	-3.118	1.25
62	MP1B	Z	5.401	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	-3.118	6.75
65	MP1B	Z	5.401	6.75
66	MP1B	Mx	-.003	6.75
67	MP1C	X	-4.215	1.25
68	MP1C	Z	7.301	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	-4.215	6.75
71	MP1C	Z	7.301	6.75
72	MP1C	Mx	.003	6.75
73	MP2A	X	-2.279	3
74	MP2A	Z	3.947	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-1.809	3
77	MP2B	Z	3.133	3
78	MP2B	Mx	.002	3
79	MP2C	X	-2.458	3
80	MP2C	Z	4.258	3
81	MP2C	Mx	-.000841	3
82	MP3A	X	-2.172	3
83	MP3A	Z	3.762	3
84	MP3A	Mx	-.001	3
85	MP3B	X	-1.522	3
86	MP3B	Z	2.636	3
87	MP3B	Mx	.001	3
88	MP3C	X	-2.42	3
89	MP3C	Z	4.192	3
90	MP3C	Mx	-.000828	3
91	OVP	X	-3.631	1
92	OVP	Z	6.29	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-9.447	1.5
2	MP2A	Z	5.455	1.5
3	MP2A	Mx	.009	1.5
4	MP2A	X	-9.447	6.5
5	MP2A	Z	5.455	6.5
6	MP2A	Mx	.009	6.5
7	MP2B	X	-10.458	1.5
8	MP2B	Z	6.038	1.5
9	MP2B	Mx	.003	1.5
10	MP2B	X	-10.458	6.5
11	MP2B	Z	6.038	6.5
12	MP2B	Mx	.003	6.5
13	MP2C	X	-11.608	1.5
14	MP2C	Z	6.702	1.5
15	MP2C	Mx	-.011	1.5
16	MP2C	X	-11.608	6.5
17	MP2C	Z	6.702	6.5
18	MP2C	Mx	-.011	6.5
19	MP2A	X	-9.447	1.5
20	MP2A	Z	5.455	1.5
21	MP2A	Mx	.00086	1.5
22	MP2A	X	-9.447	6.5
23	MP2A	Z	5.455	6.5
24	MP2A	Mx	.00086	6.5
25	MP2B	X	-10.458	1.5
26	MP2B	Z	6.038	1.5
27	MP2B	Mx	-.01	1.5
28	MP2B	X	-10.458	6.5
29	MP2B	Z	6.038	6.5
30	MP2B	Mx	-.01	6.5
31	MP2C	X	-11.608	1.5
32	MP2C	Z	6.702	1.5
33	MP2C	Mx	.011	1.5
34	MP2C	X	-11.608	6.5
35	MP2C	Z	6.702	6.5
36	MP2C	Mx	.011	6.5
37	MP4A	X	-3.028	3.25
38	MP4A	Z	1.748	3.25
39	MP4A	Mx	.002	3.25
40	MP4A	X	-3.028	4.75
41	MP4A	Z	1.748	4.75
42	MP4A	Mx	.002	4.75
43	MP4B	X	-4.17	3.25
44	MP4B	Z	2.408	3.25
45	MP4B	Mx	-.002	3.25
46	MP4B	X	-4.17	4.75
47	MP4B	Z	2.408	4.75
48	MP4B	Mx	-.002	4.75
49	MP4C	X	-5.468	3.25
50	MP4C	Z	3.157	3.25
51	MP4C	Mx	-.000548	3.25
52	MP4C	X	-5.468	4.75
53	MP4C	Z	3.157	4.75
54	MP4C	Mx	-.000548	4.75
55	MP1A	X	-5.939	1.25
56	MP1A	Z	3.429	1.25
57	MP1A	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1A	X	-5.939	6.75
59	MP1A	Z	3.429	6.75
60	MP1A	Mx	.003	6.75
61	MP1B	X	-7.301	1.25
62	MP1B	Z	4.215	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	-7.301	6.75
65	MP1B	Z	4.215	6.75
66	MP1B	Mx	-.003	6.75
67	MP1C	X	-8.85	1.25
68	MP1C	Z	5.11	1.25
69	MP1C	Mx	.000887	1.25
70	MP1C	X	-8.85	6.75
71	MP1C	Z	5.11	6.75
72	MP1C	Mx	.000887	6.75
73	MP2A	X	-3.223	3
74	MP2A	Z	1.861	3
75	MP2A	Mx	-.002	3
76	MP2B	X	-3.823	3
77	MP2B	Z	2.207	3
78	MP2B	Mx	.001	3
79	MP2C	X	-4.386	3
80	MP2C	Z	2.532	3
81	MP2C	Mx	.00044	3
82	MP3A	X	-2.761	3
83	MP3A	Z	1.594	3
84	MP3A	Mx	-.001	3
85	MP3B	X	-3.591	3
86	MP3B	Z	2.073	3
87	MP3B	Mx	.001	3
88	MP3C	X	-4.369	3
89	MP3C	Z	2.522	3
90	MP3C	Mx	.000438	3
91	OVP	X	-7.714	1
92	OVP	Z	4.454	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-10.043	1.5
2	MP2A	Z	0	1.5
3	MP2A	Mx	.005	1.5
4	MP2A	X	-10.043	6.5
5	MP2A	Z	0	6.5
6	MP2A	Mx	.005	6.5
7	MP2B	X	-13.404	1.5
8	MP2B	Z	0	1.5
9	MP2B	Mx	.008	1.5
10	MP2B	X	-13.404	6.5
11	MP2B	Z	0	6.5
12	MP2B	Mx	.008	6.5
13	MP2C	X	-12.076	1.5
14	MP2C	Z	0	1.5
15	MP2C	Mx	-.01	1.5
16	MP2C	X	-12.076	6.5
17	MP2C	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.01	6.5
19	MP2A	X	-10.043	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	-10.043	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.005	6.5
25	MP2B	X	-13.404	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.011	1.5
28	MP2B	X	-13.404	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.011	6.5
31	MP2C	X	-13.103	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.006	1.5
34	MP2C	X	-13.103	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.006	6.5
37	MP4A	X	-2.518	3.25
38	MP4A	Z	0	3.25
39	MP4A	Mx	.001	3.25
40	MP4A	X	-2.518	4.75
41	MP4A	Z	0	4.75
42	MP4A	Mx	.001	4.75
43	MP4B	X	-6.314	3.25
44	MP4B	Z	0	3.25
45	MP4B	Mx	-.000548	3.25
46	MP4B	X	-6.314	4.75
47	MP4B	Z	0	4.75
48	MP4B	Mx	-.000548	4.75
49	MP4C	X	-4.815	3.25
50	MP4C	Z	0	3.25
51	MP4C	Mx	-.002	3.25
52	MP4C	X	-4.815	4.75
53	MP4C	Z	0	4.75
54	MP4C	Mx	-.002	4.75
55	MP1A	X	-5.691	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-5.691	6.75
59	MP1A	Z	0	6.75
60	MP1A	Mx	.003	6.75
61	MP1B	X	-10.219	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.000887	1.25
64	MP1B	X	-10.219	6.75
65	MP1B	Z	0	6.75
66	MP1B	Mx	-.000887	6.75
67	MP1C	X	-9.814	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.002	1.25
70	MP1C	X	-9.814	6.75
71	MP1C	Z	0	6.75
72	MP1C	Mx	-.002	6.75
73	MP2A	X	-3.432	3
74	MP2A	Z	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
75	MP2A	Mx	-.002	3
76	MP2B	X	-5.064	3
77	MP2B	Z	0	3
78	MP2B	Mx	.00044	3
79	MP2C	X	-4.414	3
80	MP2C	Z	0	3
81	MP2C	Mx	.001	3
82	MP3A	X	-2.787	3
83	MP3A	Z	0	3
84	MP3A	Mx	-.001	3
85	MP3B	X	-5.044	3
86	MP3B	Z	0	3
87	MP3B	Mx	.000438	3
88	MP3C	X	-4.146	3
89	MP3C	Z	0	3
90	MP3C	Mx	.001	3
91	OVP	X	-10.248	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-9.447	1.5
2	MP2A	Z	-5.455	1.5
3	MP2A	Mx	.00086	1.5
4	MP2A	X	-9.447	6.5
5	MP2A	Z	-5.455	6.5
6	MP2A	Mx	.00086	6.5
7	MP2B	X	-11.347	1.5
8	MP2B	Z	-6.551	1.5
9	MP2B	Mx	.011	1.5
10	MP2B	X	-11.347	6.5
11	MP2B	Z	-6.551	6.5
12	MP2B	Mx	.011	6.5
13	MP2C	X	-9.048	1.5
14	MP2C	Z	-5.224	1.5
15	MP2C	Mx	-.007	1.5
16	MP2C	X	-9.048	6.5
17	MP2C	Z	-5.224	6.5
18	MP2C	Mx	-.007	6.5
19	MP2A	X	-9.447	1.5
20	MP2A	Z	-5.455	1.5
21	MP2A	Mx	.009	1.5
22	MP2A	X	-9.447	6.5
23	MP2A	Z	-5.455	6.5
24	MP2A	Mx	.009	6.5
25	MP2B	X	-11.347	1.5
26	MP2B	Z	-6.551	1.5
27	MP2B	Mx	-.006	1.5
28	MP2B	X	-11.347	6.5
29	MP2B	Z	-6.551	6.5
30	MP2B	Mx	-.006	6.5
31	MP2C	X	-9.937	1.5
32	MP2C	Z	-5.737	1.5
33	MP2C	Mx	.00083	1.5
34	MP2C	X	-9.937	6.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
35	MP2C	Z	-5.737	6.5
36	MP2C	Mx	.00083	6.5
37	MP4A	X	-3.028	3.25
38	MP4A	Z	-1.748	3.25
39	MP4A	Mx	.002	3.25
40	MP4A	X	-3.028	4.75
41	MP4A	Z	-1.748	4.75
42	MP4A	Mx	.002	4.75
43	MP4B	X	-5.174	3.25
44	MP4B	Z	-2.987	3.25
45	MP4B	Mx	.001	3.25
46	MP4B	X	-5.174	4.75
47	MP4B	Z	-2.987	4.75
48	MP4B	Mx	.001	4.75
49	MP4C	X	-2.577	3.25
50	MP4C	Z	-1.488	3.25
51	MP4C	Mx	-.001	3.25
52	MP4C	X	-2.577	4.75
53	MP4C	Z	-1.488	4.75
54	MP4C	Mx	-.001	4.75
55	MP1A	X	-5.939	1.25
56	MP1A	Z	-3.429	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-5.939	6.75
59	MP1A	Z	-3.429	6.75
60	MP1A	Mx	.003	6.75
61	MP1B	X	-8.499	1.25
62	MP1B	Z	-4.907	1.25
63	MP1B	Mx	.002	1.25
64	MP1B	X	-8.499	6.75
65	MP1B	Z	-4.907	6.75
66	MP1B	Mx	.002	6.75
67	MP1C	X	-6.599	1.25
68	MP1C	Z	-3.81	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-6.599	6.75
71	MP1C	Z	-3.81	6.75
72	MP1C	Mx	-.003	6.75
73	MP2A	X	-3.444	3
74	MP2A	Z	-1.989	3
75	MP2A	Mx	-.002	3
76	MP2B	X	-4.258	3
77	MP2B	Z	-2.458	3
78	MP2B	Mx	-.000841	3
79	MP2C	X	-3.133	3
80	MP2C	Z	-1.809	3
81	MP2C	Mx	.002	3
82	MP3A	X	-3.067	3
83	MP3A	Z	-1.771	3
84	MP3A	Mx	-.001	3
85	MP3B	X	-4.192	3
86	MP3B	Z	-2.42	3
87	MP3B	Mx	-.000828	3
88	MP3C	X	-2.636	3
89	MP3C	Z	-1.522	3
90	MP3C	Mx	.001	3
91	OVP	X	-8.612	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	-4.972	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.321	1.5
2	MP2A	Z	-10.948	1.5
3	MP2A	Mx	-.005	1.5
4	MP2A	X	-6.321	6.5
5	MP2A	Z	-10.948	6.5
6	MP2A	Mx	-.005	6.5
7	MP2B	X	-5.737	1.5
8	MP2B	Z	-9.937	1.5
9	MP2B	Mx	.01	1.5
10	MP2B	X	-5.737	6.5
11	MP2B	Z	-9.937	6.5
12	MP2B	Mx	.01	6.5
13	MP2C	X	-5.074	1.5
14	MP2C	Z	-8.788	1.5
15	MP2C	Mx	-.004	1.5
16	MP2C	X	-5.074	6.5
17	MP2C	Z	-8.788	6.5
18	MP2C	Mx	-.004	6.5
19	MP2A	X	-6.321	1.5
20	MP2A	Z	-10.948	1.5
21	MP2A	Mx	.011	1.5
22	MP2A	X	-6.321	6.5
23	MP2A	Z	-10.948	6.5
24	MP2A	Mx	.011	6.5
25	MP2B	X	-5.737	1.5
26	MP2B	Z	-9.937	1.5
27	MP2B	Mx	-.000829	1.5
28	MP2B	X	-5.737	6.5
29	MP2B	Z	-9.937	6.5
30	MP2B	Mx	-.000829	6.5
31	MP2C	X	-5.074	1.5
32	MP2C	Z	-8.788	1.5
33	MP2C	Mx	-.004	1.5
34	MP2C	X	-5.074	6.5
35	MP2C	Z	-8.788	6.5
36	MP2C	Mx	-.004	6.5
37	MP4A	X	-2.727	3.25
38	MP4A	Z	-4.723	3.25
39	MP4A	Mx	.001	3.25
40	MP4A	X	-2.727	4.75
41	MP4A	Z	-4.723	4.75
42	MP4A	Mx	.001	4.75
43	MP4B	X	-2.068	3.25
44	MP4B	Z	-3.581	3.25
45	MP4B	Mx	.002	3.25
46	MP4B	X	-2.068	4.75
47	MP4B	Z	-3.581	4.75
48	MP4B	Mx	.002	4.75
49	MP4C	X	-1.318	3.25
50	MP4C	Z	-2.283	3.25
51	MP4C	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-1.318	4.75
53	MP4C	Z	-2.283	4.75
54	MP4C	Mx	-.001	4.75
55	MP1A	X	-4.596	1.25
56	MP1A	Z	-7.961	1.25
57	MP1A	Mx	.002	1.25
58	MP1A	X	-4.596	6.75
59	MP1A	Z	-7.961	6.75
60	MP1A	Mx	.002	6.75
61	MP1B	X	-3.81	1.25
62	MP1B	Z	-6.599	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	-3.81	6.75
65	MP1B	Z	-6.599	6.75
66	MP1B	Mx	.003	6.75
67	MP1C	X	-2.916	1.25
68	MP1C	Z	-5.05	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-2.916	6.75
71	MP1C	Z	-5.05	6.75
72	MP1C	Mx	-.003	6.75
73	MP2A	X	-2.406	3
74	MP2A	Z	-4.168	3
75	MP2A	Mx	-.001	3
76	MP2B	X	-2.06	3
77	MP2B	Z	-3.568	3
78	MP2B	Mx	-.002	3
79	MP2C	X	-1.735	3
80	MP2C	Z	-3.005	3
81	MP2C	Mx	.002	3
82	MP3A	X	-2.348	3
83	MP3A	Z	-4.067	3
84	MP3A	Mx	-.000992	3
85	MP3B	X	-1.869	3
86	MP3B	Z	-3.238	3
87	MP3B	Mx	-.001	3
88	MP3C	X	-1.42	3
89	MP3C	Z	-2.46	3
90	MP3C	Mx	.001	3
91	OVP	X	-4.15	1
92	OVP	Z	-7.188	1
93	OVP	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M80	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M84B	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	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	M1	Y	-6.686	-6.686	0	%100
2	M4	Y	-9.773	-9.773	0	%100
3	M10	Y	-9.773	-9.773	0	%100
4	MP1A	Y	-5.076	-5.076	0	%100
5	M43	Y	-9.773	-9.773	0	%100
6	M46	Y	-10.28	-10.28	0	%100
7	M51B	Y	-5.725	-5.725	0	%100
8	M52B	Y	-5.725	-5.725	0	%100
9	M76	Y	-10.28	-10.28	0	%100
10	M77	Y	-10.28	-10.28	0	%100
11	M84	Y	-10.28	-10.28	0	%100
12	M85	Y	-10.28	-10.28	0	%100
13	M52A	Y	-9.773	-9.773	0	%100
14	M53	Y	-9.773	-9.773	0	%100
15	M54	Y	-9.773	-9.773	0	%100
16	M55	Y	-10.28	-10.28	0	%100
17	M58A	Y	-5.725	-5.725	0	%100
18	M59A	Y	-5.725	-5.725	0	%100
19	M63	Y	-10.28	-10.28	0	%100
20	M64	Y	-10.28	-10.28	0	%100
21	M68	Y	-10.28	-10.28	0	%100
22	M69	Y	-10.28	-10.28	0	%100
23	M76A	Y	-9.773	-9.773	0	%100
24	M77A	Y	-9.773	-9.773	0	%100
25	M78	Y	-9.773	-9.773	0	%100
26	M79A	Y	-10.28	-10.28	0	%100
27	M82	Y	-5.725	-5.725	0	%100
28	M83A	Y	-5.725	-5.725	0	%100
29	M87	Y	-10.28	-10.28	0	%100
30	M88A	Y	-10.28	-10.28	0	%100
31	M90	Y	-10.28	-10.28	0	%100
32	M92A	Y	-10.28	-10.28	0	%100
33	M93	Y	-10.28	-10.28	0	%100
34	OVP	Y	-5.076	-5.076	0	%100
35	M70A	Y	-10.28	-10.28	0	%100
36	M72	Y	-10.28	-10.28	0	%100
37	M74A	Y	-10.28	-10.28	0	%100
38	M76B	Y	-10.28	-10.28	0	%100
39	M78A	Y	-10.28	-10.28	0	%100
40	M78B	Y	-6.686	-6.686	0	%100
41	M79C	Y	-6.686	-6.686	0	%100
42	MP2A	Y	-5.076	-5.076	0	%100
43	MP3A	Y	-5.076	-5.076	0	%100
44	MP4A	Y	-5.076	-5.076	0	%100
45	MP1C	Y	-5.076	-5.076	0	%100
46	MP2C	Y	-5.076	-5.076	0	%100
47	MP3C	Y	-5.076	-5.076	0	%100
48	MP4C	Y	-5.076	-5.076	0	%100
49	MP1B	Y	-5.076	-5.076	0	%100
50	MP2B	Y	-5.076	-5.076	0	%100
51	MP3B	Y	-5.076	-5.076	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...]
52	MP4B	Y	-5.076	-5.076	0	%100
53	M102	Y	-5.791	-5.791	0	%100
54	M107	Y	-5.791	-5.791	0	%100
55	M112	Y	-5.791	-5.791	0	%100
56	M123	Y	-7.749	-7.749	0	%100
57	M124	Y	-7.749	-7.749	0	%100
58	M125	Y	-7.749	-7.749	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	M1	X	0	0	0	%100
2	M1	Z	-15.199	-15.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-14.496	-14.496	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-11.445	-11.445	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-14.496	-14.496	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-28.914	-28.914	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-4.014	-4.014	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-4.014	-4.014	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-7.362	-7.362	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-7.362	-7.362	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	-12.848	-12.848	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	-3.624	-3.624	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	-3.624	-3.624	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	-7.228	-7.228	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	-4.014	-4.014	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-16.055	-16.055	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-21.685	-21.685	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-7.362	-7.362	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	-21.685	-21.685	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	-29.449	-29.449	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	-12.848	-12.848	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...]
47	M77A	X	0	0	0	%100
48	M77A	Z	-3.624	-3.624	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-3.624	-3.624	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	-7.228	-7.228	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-16.055	-16.055	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-4.014	-4.014	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	-21.685	-21.685	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	-29.449	-29.449	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	-28.914	-28.914	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	-21.685	-21.685	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-7.362	-7.362	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-9.359	-9.359	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	-28.914	-28.914	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-7.228	-7.228	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	-7.228	-7.228	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	-7.228	-7.228	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-7.228	-7.228	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	-3.8	-3.8	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	-3.8	-3.8	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-11.445	-11.445	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	-11.445	-11.445	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-11.445	-11.445	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-11.445	-11.445	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-11.445	-11.445	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-11.445	-11.445	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-11.445	-11.445	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-11.445	-11.445	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-11.445	-11.445	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	-11.445	-11.445	0	%100
103	MP4B	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...]
104	MP4B	Z	-11.445	-11.445	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-3.464	-3.464	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-13.854	-13.854	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-3.464	-3.464	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-4.022	-4.022	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-16.087	-16.087	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-4.022	-4.022	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	M1	X	5.7	5.7	0	%100
2	M1	Z	-9.872	-9.872	0	%100
3	M4	X	2.141	2.141	0	%100
4	M4	Z	-3.709	-3.709	0	%100
5	M10	X	5.436	5.436	0	%100
6	M10	Z	-9.415	-9.415	0	%100
7	MP1A	X	5.723	5.723	0	%100
8	MP1A	Z	-9.912	-9.912	0	%100
9	M43	X	5.436	5.436	0	%100
10	M43	Z	-9.415	-9.415	0	%100
11	M46	X	10.843	10.843	0	%100
12	M46	Z	-18.78	-18.78	0	%100
13	M51B	X	6.021	6.021	0	%100
14	M51B	Z	-10.428	-10.428	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.614	3.614	0	%100
18	M76	Z	-6.26	-6.26	0	%100
19	M77	X	11.043	11.043	0	%100
20	M77	Z	-19.128	-19.128	0	%100
21	M84	X	3.614	3.614	0	%100
22	M84	Z	-6.26	-6.26	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	2.141	2.141	0	%100
26	M52A	Z	-3.709	-3.709	0	%100
27	M53	X	5.436	5.436	0	%100
28	M53	Z	-9.415	-9.415	0	%100
29	M54	X	5.436	5.436	0	%100
30	M54	Z	-9.415	-9.415	0	%100
31	M55	X	10.843	10.843	0	%100
32	M55	Z	-18.78	-18.78	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	6.021	6.021	0	%100
36	M59A	Z	-10.428	-10.428	0	%100
37	M63	X	3.614	3.614	0	%100
38	M63	Z	-6.26	-6.26	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	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...]
41	M68	X	3.614	3.614	0	%100
42	M68	Z	-6.26	-6.26	0	%100
43	M69	X	11.043	11.043	0	%100
44	M69	Z	-19.128	-19.128	0	%100
45	M76A	X	8.566	8.566	0	%100
46	M76A	Z	-14.836	-14.836	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	6.021	6.021	0	%100
54	M82	Z	-10.428	-10.428	0	%100
55	M83A	X	6.021	6.021	0	%100
56	M83A	Z	-10.428	-10.428	0	%100
57	M87	X	14.457	14.457	0	%100
58	M87	Z	-25.04	-25.04	0	%100
59	M88A	X	11.043	11.043	0	%100
60	M88A	Z	-19.128	-19.128	0	%100
61	M90	X	10.843	10.843	0	%100
62	M90	Z	-18.78	-18.78	0	%100
63	M92A	X	14.457	14.457	0	%100
64	M92A	Z	-25.04	-25.04	0	%100
65	M93	X	11.043	11.043	0	%100
66	M93	Z	-19.128	-19.128	0	%100
67	OVP	X	4.68	4.68	0	%100
68	OVP	Z	-8.105	-8.105	0	%100
69	M70A	X	10.843	10.843	0	%100
70	M70A	Z	-18.78	-18.78	0	%100
71	M72	X	10.843	10.843	0	%100
72	M72	Z	-18.78	-18.78	0	%100
73	M74A	X	10.843	10.843	0	%100
74	M74A	Z	-18.78	-18.78	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	5.7	5.7	0	%100
80	M78B	Z	-9.872	-9.872	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	5.723	5.723	0	%100
84	MP2A	Z	-9.912	-9.912	0	%100
85	MP3A	X	5.723	5.723	0	%100
86	MP3A	Z	-9.912	-9.912	0	%100
87	MP4A	X	5.723	5.723	0	%100
88	MP4A	Z	-9.912	-9.912	0	%100
89	MP1C	X	5.723	5.723	0	%100
90	MP1C	Z	-9.912	-9.912	0	%100
91	MP2C	X	5.723	5.723	0	%100
92	MP2C	Z	-9.912	-9.912	0	%100
93	MP3C	X	5.723	5.723	0	%100
94	MP3C	Z	-9.912	-9.912	0	%100
95	MP4C	X	5.723	5.723	0	%100
96	MP4C	Z	-9.912	-9.912	0	%100
97	MP1B	X	5.723	5.723	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...]
98	MP1B	Z	-9.912	-9.912	0	%100
99	MP2B	X	5.723	5.723	0	%100
100	MP2B	Z	-9.912	-9.912	0	%100
101	MP3B	X	5.723	5.723	0	%100
102	MP3B	Z	-9.912	-9.912	0	%100
103	MP4B	X	5.723	5.723	0	%100
104	MP4B	Z	-9.912	-9.912	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	5.195	5.195	0	%100
108	M107	Z	-8.999	-8.999	0	%100
109	M112	X	5.195	5.195	0	%100
110	M112	Z	-8.999	-8.999	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	6.033	6.033	0	%100
114	M124	Z	-10.449	-10.449	0	%100
115	M125	X	6.033	6.033	0	%100
116	M125	Z	-10.449	-10.449	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	M1	X	3.291	3.291	0	%100
2	M1	Z	-1.9	-1.9	0	%100
3	M4	X	11.127	11.127	0	%100
4	M4	Z	-6.424	-6.424	0	%100
5	M10	X	3.138	3.138	0	%100
6	M10	Z	-1.812	-1.812	0	%100
7	MP1A	X	9.912	9.912	0	%100
8	MP1A	Z	-5.723	-5.723	0	%100
9	M43	X	3.138	3.138	0	%100
10	M43	Z	-1.812	-1.812	0	%100
11	M46	X	6.26	6.26	0	%100
12	M46	Z	-3.614	-3.614	0	%100
13	M51B	X	13.904	13.904	0	%100
14	M51B	Z	-8.028	-8.028	0	%100
15	M52B	X	3.476	3.476	0	%100
16	M52B	Z	-2.007	-2.007	0	%100
17	M76	X	18.78	18.78	0	%100
18	M76	Z	-10.843	-10.843	0	%100
19	M77	X	25.504	25.504	0	%100
20	M77	Z	-14.725	-14.725	0	%100
21	M84	X	18.78	18.78	0	%100
22	M84	Z	-10.843	-10.843	0	%100
23	M85	X	6.376	6.376	0	%100
24	M85	Z	-3.681	-3.681	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	12.554	12.554	0	%100
28	M53	Z	-7.248	-7.248	0	%100
29	M54	X	12.554	12.554	0	%100
30	M54	Z	-7.248	-7.248	0	%100
31	M55	X	25.04	25.04	0	%100
32	M55	Z	-14.457	-14.457	0	%100
33	M58A	X	3.476	3.476	0	%100
34	M58A	Z	-2.007	-2.007	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...
35	M59A	X	3.476	3.476	0	%100
36	M59A	Z	-2.007	-2.007	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	6.376	6.376	0	%100
40	M64	Z	-3.681	-3.681	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	6.376	6.376	0	%100
44	M69	Z	-3.681	-3.681	0	%100
45	M76A	X	11.127	11.127	0	%100
46	M76A	Z	-6.424	-6.424	0	%100
47	M77A	X	3.138	3.138	0	%100
48	M77A	Z	-1.812	-1.812	0	%100
49	M78	X	3.138	3.138	0	%100
50	M78	Z	-1.812	-1.812	0	%100
51	M79A	X	6.26	6.26	0	%100
52	M79A	Z	-3.614	-3.614	0	%100
53	M82	X	3.476	3.476	0	%100
54	M82	Z	-2.007	-2.007	0	%100
55	M83A	X	13.904	13.904	0	%100
56	M83A	Z	-8.028	-8.028	0	%100
57	M87	X	18.78	18.78	0	%100
58	M87	Z	-10.843	-10.843	0	%100
59	M88A	X	6.376	6.376	0	%100
60	M88A	Z	-3.681	-3.681	0	%100
61	M90	X	6.26	6.26	0	%100
62	M90	Z	-3.614	-3.614	0	%100
63	M92A	X	18.78	18.78	0	%100
64	M92A	Z	-10.843	-10.843	0	%100
65	M93	X	25.504	25.504	0	%100
66	M93	Z	-14.725	-14.725	0	%100
67	OVP	X	8.105	8.105	0	%100
68	OVP	Z	-4.68	-4.68	0	%100
69	M70A	X	6.26	6.26	0	%100
70	M70A	Z	-3.614	-3.614	0	%100
71	M72	X	25.04	25.04	0	%100
72	M72	Z	-14.457	-14.457	0	%100
73	M74A	X	25.04	25.04	0	%100
74	M74A	Z	-14.457	-14.457	0	%100
75	M76B	X	6.26	6.26	0	%100
76	M76B	Z	-3.614	-3.614	0	%100
77	M78A	X	6.26	6.26	0	%100
78	M78A	Z	-3.614	-3.614	0	%100
79	M78B	X	13.163	13.163	0	%100
80	M78B	Z	-7.6	-7.6	0	%100
81	M79C	X	3.291	3.291	0	%100
82	M79C	Z	-1.9	-1.9	0	%100
83	MP2A	X	9.912	9.912	0	%100
84	MP2A	Z	-5.723	-5.723	0	%100
85	MP3A	X	9.912	9.912	0	%100
86	MP3A	Z	-5.723	-5.723	0	%100
87	MP4A	X	9.912	9.912	0	%100
88	MP4A	Z	-5.723	-5.723	0	%100
89	MP1C	X	9.912	9.912	0	%100
90	MP1C	Z	-5.723	-5.723	0	%100
91	MP2C	X	9.912	9.912	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...]
92	MP2C	Z	-5.723	-5.723	0	%100
93	MP3C	X	9.912	9.912	0	%100
94	MP3C	Z	-5.723	-5.723	0	%100
95	MP4C	X	9.912	9.912	0	%100
96	MP4C	Z	-5.723	-5.723	0	%100
97	MP1B	X	9.912	9.912	0	%100
98	MP1B	Z	-5.723	-5.723	0	%100
99	MP2B	X	9.912	9.912	0	%100
100	MP2B	Z	-5.723	-5.723	0	%100
101	MP3B	X	9.912	9.912	0	%100
102	MP3B	Z	-5.723	-5.723	0	%100
103	MP4B	X	9.912	9.912	0	%100
104	MP4B	Z	-5.723	-5.723	0	%100
105	M102	X	3	3	0	%100
106	M102	Z	-1.732	-1.732	0	%100
107	M107	X	3	3	0	%100
108	M107	Z	-1.732	-1.732	0	%100
109	M112	X	11.998	11.998	0	%100
110	M112	Z	-6.927	-6.927	0	%100
111	M123	X	3.483	3.483	0	%100
112	M123	Z	-2.011	-2.011	0	%100
113	M124	X	3.483	3.483	0	%100
114	M124	Z	-2.011	-2.011	0	%100
115	M125	X	13.932	13.932	0	%100
116	M125	Z	-8.043	-8.043	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	17.131	17.131	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	11.445	11.445	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	12.041	12.041	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	12.041	12.041	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	28.914	28.914	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	22.087	22.087	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	28.914	28.914	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	22.087	22.087	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	4.283	4.283	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	10.872	10.872	0	%100
28	M53	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...]
29	M54	X	10.872	10.872	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	21.685	21.685	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	12.041	12.041	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	7.228	7.228	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	22.087	22.087	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	7.228	7.228	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	0	0	0	%100
45	M76A	X	4.283	4.283	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	10.872	10.872	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	10.872	10.872	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	21.685	21.685	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	12.041	12.041	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	7.228	7.228	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	0	0	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	7.228	7.228	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	22.087	22.087	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	9.359	9.359	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	21.685	21.685	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	21.685	21.685	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	21.685	21.685	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	21.685	21.685	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	11.4	11.4	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	11.4	11.4	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	11.445	11.445	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	11.445	11.445	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...
86	MP3A	Z	0	0	0 %100
87	MP4A	X	11.445	11.445	0 %100
88	MP4A	Z	0	0	0 %100
89	MP1C	X	11.445	11.445	0 %100
90	MP1C	Z	0	0	0 %100
91	MP2C	X	11.445	11.445	0 %100
92	MP2C	Z	0	0	0 %100
93	MP3C	X	11.445	11.445	0 %100
94	MP3C	Z	0	0	0 %100
95	MP4C	X	11.445	11.445	0 %100
96	MP4C	Z	0	0	0 %100
97	MP1B	X	11.445	11.445	0 %100
98	MP1B	Z	0	0	0 %100
99	MP2B	X	11.445	11.445	0 %100
100	MP2B	Z	0	0	0 %100
101	MP3B	X	11.445	11.445	0 %100
102	MP3B	Z	0	0	0 %100
103	MP4B	X	11.445	11.445	0 %100
104	MP4B	Z	0	0	0 %100
105	M102	X	10.391	10.391	0 %100
106	M102	Z	0	0	0 %100
107	M107	X	0	0	0 %100
108	M107	Z	0	0	0 %100
109	M112	X	10.391	10.391	0 %100
110	M112	Z	0	0	0 %100
111	M123	X	12.065	12.065	0 %100
112	M123	Z	0	0	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	0	0	0 %100
115	M125	X	12.065	12.065	0 %100
116	M125	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	M1	X	3.291	3.291	0 %100
2	M1	Z	1.9	1.9	0 %100
3	M4	X	11.127	11.127	0 %100
4	M4	Z	6.424	6.424	0 %100
5	M10	X	3.138	3.138	0 %100
6	M10	Z	1.812	1.812	0 %100
7	MP1A	X	9.912	9.912	0 %100
8	MP1A	Z	5.723	5.723	0 %100
9	M43	X	3.138	3.138	0 %100
10	M43	Z	1.812	1.812	0 %100
11	M46	X	6.26	6.26	0 %100
12	M46	Z	3.614	3.614	0 %100
13	M51B	X	3.476	3.476	0 %100
14	M51B	Z	2.007	2.007	0 %100
15	M52B	X	13.904	13.904	0 %100
16	M52B	Z	8.028	8.028	0 %100
17	M76	X	18.78	18.78	0 %100
18	M76	Z	10.843	10.843	0 %100
19	M77	X	6.376	6.376	0 %100
20	M77	Z	3.681	3.681	0 %100
21	M84	X	18.78	18.78	0 %100
22	M84	Z	10.843	10.843	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...
23	M85	X	25.504	25.504	0	%100
24	M85	Z	14.725	14.725	0	%100
25	M52A	X	11.127	11.127	0	%100
26	M52A	Z	6.424	6.424	0	%100
27	M53	X	3.138	3.138	0	%100
28	M53	Z	1.812	1.812	0	%100
29	M54	X	3.138	3.138	0	%100
30	M54	Z	1.812	1.812	0	%100
31	M55	X	6.26	6.26	0	%100
32	M55	Z	3.614	3.614	0	%100
33	M58A	X	13.904	13.904	0	%100
34	M58A	Z	8.028	8.028	0	%100
35	M59A	X	3.476	3.476	0	%100
36	M59A	Z	2.007	2.007	0	%100
37	M63	X	18.78	18.78	0	%100
38	M63	Z	10.843	10.843	0	%100
39	M64	X	25.504	25.504	0	%100
40	M64	Z	14.725	14.725	0	%100
41	M68	X	18.78	18.78	0	%100
42	M68	Z	10.843	10.843	0	%100
43	M69	X	6.376	6.376	0	%100
44	M69	Z	3.681	3.681	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	12.554	12.554	0	%100
48	M77A	Z	7.248	7.248	0	%100
49	M78	X	12.554	12.554	0	%100
50	M78	Z	7.248	7.248	0	%100
51	M79A	X	25.04	25.04	0	%100
52	M79A	Z	14.457	14.457	0	%100
53	M82	X	3.476	3.476	0	%100
54	M82	Z	2.007	2.007	0	%100
55	M83A	X	3.476	3.476	0	%100
56	M83A	Z	2.007	2.007	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	6.376	6.376	0	%100
60	M88A	Z	3.681	3.681	0	%100
61	M90	X	6.26	6.26	0	%100
62	M90	Z	3.614	3.614	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	6.376	6.376	0	%100
66	M93	Z	3.681	3.681	0	%100
67	OVP	X	8.105	8.105	0	%100
68	OVP	Z	4.68	4.68	0	%100
69	M70A	X	6.26	6.26	0	%100
70	M70A	Z	3.614	3.614	0	%100
71	M72	X	6.26	6.26	0	%100
72	M72	Z	3.614	3.614	0	%100
73	M74A	X	6.26	6.26	0	%100
74	M74A	Z	3.614	3.614	0	%100
75	M76B	X	25.04	25.04	0	%100
76	M76B	Z	14.457	14.457	0	%100
77	M78A	X	25.04	25.04	0	%100
78	M78A	Z	14.457	14.457	0	%100
79	M78B	X	3.291	3.291	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...]
80	M78B	Z	1.9	1.9	0	%100
81	M79C	X	13.163	13.163	0	%100
82	M79C	Z	7.6	7.6	0	%100
83	MP2A	X	9.912	9.912	0	%100
84	MP2A	Z	5.723	5.723	0	%100
85	MP3A	X	9.912	9.912	0	%100
86	MP3A	Z	5.723	5.723	0	%100
87	MP4A	X	9.912	9.912	0	%100
88	MP4A	Z	5.723	5.723	0	%100
89	MP1C	X	9.912	9.912	0	%100
90	MP1C	Z	5.723	5.723	0	%100
91	MP2C	X	9.912	9.912	0	%100
92	MP2C	Z	5.723	5.723	0	%100
93	MP3C	X	9.912	9.912	0	%100
94	MP3C	Z	5.723	5.723	0	%100
95	MP4C	X	9.912	9.912	0	%100
96	MP4C	Z	5.723	5.723	0	%100
97	MP1B	X	9.912	9.912	0	%100
98	MP1B	Z	5.723	5.723	0	%100
99	MP2B	X	9.912	9.912	0	%100
100	MP2B	Z	5.723	5.723	0	%100
101	MP3B	X	9.912	9.912	0	%100
102	MP3B	Z	5.723	5.723	0	%100
103	MP4B	X	9.912	9.912	0	%100
104	MP4B	Z	5.723	5.723	0	%100
105	M102	X	11.998	11.998	0	%100
106	M102	Z	6.927	6.927	0	%100
107	M107	X	3	3	0	%100
108	M107	Z	1.732	1.732	0	%100
109	M112	X	3	3	0	%100
110	M112	Z	1.732	1.732	0	%100
111	M123	X	13.932	13.932	0	%100
112	M123	Z	8.043	8.043	0	%100
113	M124	X	3.483	3.483	0	%100
114	M124	Z	2.011	2.011	0	%100
115	M125	X	3.483	3.483	0	%100
116	M125	Z	2.011	2.011	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	M1	X	5.7	5.7	0	%100
2	M1	Z	9.872	9.872	0	%100
3	M4	X	2.141	2.141	0	%100
4	M4	Z	3.709	3.709	0	%100
5	M10	X	5.436	5.436	0	%100
6	M10	Z	9.415	9.415	0	%100
7	MP1A	X	5.723	5.723	0	%100
8	MP1A	Z	9.912	9.912	0	%100
9	M43	X	5.436	5.436	0	%100
10	M43	Z	9.415	9.415	0	%100
11	M46	X	10.843	10.843	0	%100
12	M46	Z	18.78	18.78	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	6.021	6.021	0	%100
16	M52B	Z	10.428	10.428	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...]
17	M76	X	3.614	3.614	0	%100
18	M76	Z	6.26	6.26	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	3.614	3.614	0	%100
22	M84	Z	6.26	6.26	0	%100
23	M85	X	11.043	11.043	0	%100
24	M85	Z	19.128	19.128	0	%100
25	M52A	X	8.566	8.566	0	%100
26	M52A	Z	14.836	14.836	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	6.021	6.021	0	%100
34	M58A	Z	10.428	10.428	0	%100
35	M59A	X	6.021	6.021	0	%100
36	M59A	Z	10.428	10.428	0	%100
37	M63	X	14.457	14.457	0	%100
38	M63	Z	25.04	25.04	0	%100
39	M64	X	11.043	11.043	0	%100
40	M64	Z	19.128	19.128	0	%100
41	M68	X	14.457	14.457	0	%100
42	M68	Z	25.04	25.04	0	%100
43	M69	X	11.043	11.043	0	%100
44	M69	Z	19.128	19.128	0	%100
45	M76A	X	2.141	2.141	0	%100
46	M76A	Z	3.709	3.709	0	%100
47	M77A	X	5.436	5.436	0	%100
48	M77A	Z	9.415	9.415	0	%100
49	M78	X	5.436	5.436	0	%100
50	M78	Z	9.415	9.415	0	%100
51	M79A	X	10.843	10.843	0	%100
52	M79A	Z	18.78	18.78	0	%100
53	M82	X	6.021	6.021	0	%100
54	M82	Z	10.428	10.428	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	3.614	3.614	0	%100
58	M87	Z	6.26	6.26	0	%100
59	M88A	X	11.043	11.043	0	%100
60	M88A	Z	19.128	19.128	0	%100
61	M90	X	10.843	10.843	0	%100
62	M90	Z	18.78	18.78	0	%100
63	M92A	X	3.614	3.614	0	%100
64	M92A	Z	6.26	6.26	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	4.68	4.68	0	%100
68	OVP	Z	8.105	8.105	0	%100
69	M70A	X	10.843	10.843	0	%100
70	M70A	Z	18.78	18.78	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	0	0	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...
74	M74A	Z	0	0	0	%100
75	M76B	X	10.843	10.843	0	%100
76	M76B	Z	18.78	18.78	0	%100
77	M78A	X	10.843	10.843	0	%100
78	M78A	Z	18.78	18.78	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	5.7	5.7	0	%100
82	M79C	Z	9.872	9.872	0	%100
83	MP2A	X	5.723	5.723	0	%100
84	MP2A	Z	9.912	9.912	0	%100
85	MP3A	X	5.723	5.723	0	%100
86	MP3A	Z	9.912	9.912	0	%100
87	MP4A	X	5.723	5.723	0	%100
88	MP4A	Z	9.912	9.912	0	%100
89	MP1C	X	5.723	5.723	0	%100
90	MP1C	Z	9.912	9.912	0	%100
91	MP2C	X	5.723	5.723	0	%100
92	MP2C	Z	9.912	9.912	0	%100
93	MP3C	X	5.723	5.723	0	%100
94	MP3C	Z	9.912	9.912	0	%100
95	MP4C	X	5.723	5.723	0	%100
96	MP4C	Z	9.912	9.912	0	%100
97	MP1B	X	5.723	5.723	0	%100
98	MP1B	Z	9.912	9.912	0	%100
99	MP2B	X	5.723	5.723	0	%100
100	MP2B	Z	9.912	9.912	0	%100
101	MP3B	X	5.723	5.723	0	%100
102	MP3B	Z	9.912	9.912	0	%100
103	MP4B	X	5.723	5.723	0	%100
104	MP4B	Z	9.912	9.912	0	%100
105	M102	X	5.195	5.195	0	%100
106	M102	Z	8.999	8.999	0	%100
107	M107	X	5.195	5.195	0	%100
108	M107	Z	8.999	8.999	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	6.033	6.033	0	%100
112	M123	Z	10.449	10.449	0	%100
113	M124	X	6.033	6.033	0	%100
114	M124	Z	10.449	10.449	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M1	X	0	0	0	%100
2	M1	Z	15.199	15.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	14.496	14.496	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	11.445	11.445	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	14.496	14.496	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...]
11	M46	X	0	0	%100
12	M46	Z	28.914	0	%100
13	M51B	X	0	0	%100
14	M51B	Z	4.014	0	%100
15	M52B	X	0	0	%100
16	M52B	Z	4.014	0	%100
17	M76	X	0	0	%100
18	M76	Z	0	0	%100
19	M77	X	0	0	%100
20	M77	Z	7.362	0	%100
21	M84	X	0	0	%100
22	M84	Z	0	0	%100
23	M85	X	0	0	%100
24	M85	Z	7.362	0	%100
25	M52A	X	0	0	%100
26	M52A	Z	12.848	0	%100
27	M53	X	0	0	%100
28	M53	Z	3.624	0	%100
29	M54	X	0	0	%100
30	M54	Z	3.624	0	%100
31	M55	X	0	0	%100
32	M55	Z	7.228	0	%100
33	M58A	X	0	0	%100
34	M58A	Z	4.014	0	%100
35	M59A	X	0	0	%100
36	M59A	Z	16.055	0	%100
37	M63	X	0	0	%100
38	M63	Z	21.685	0	%100
39	M64	X	0	0	%100
40	M64	Z	7.362	0	%100
41	M68	X	0	0	%100
42	M68	Z	21.685	0	%100
43	M69	X	0	0	%100
44	M69	Z	29.449	0	%100
45	M76A	X	0	0	%100
46	M76A	Z	12.848	0	%100
47	M77A	X	0	0	%100
48	M77A	Z	3.624	0	%100
49	M78	X	0	0	%100
50	M78	Z	3.624	0	%100
51	M79A	X	0	0	%100
52	M79A	Z	7.228	0	%100
53	M82	X	0	0	%100
54	M82	Z	16.055	0	%100
55	M83A	X	0	0	%100
56	M83A	Z	4.014	0	%100
57	M87	X	0	0	%100
58	M87	Z	21.685	0	%100
59	M88A	X	0	0	%100
60	M88A	Z	29.449	0	%100
61	M90	X	0	0	%100
62	M90	Z	28.914	0	%100
63	M92A	X	0	0	%100
64	M92A	Z	21.685	0	%100
65	M93	X	0	0	%100
66	M93	Z	7.362	0	%100
67	OVP	X	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...
68	OVP	Z	9.359	9.359	0 %100
69	M70A	X	0	0	0 %100
70	M70A	Z	28.914	28.914	0 %100
71	M72	X	0	0	0 %100
72	M72	Z	7.228	7.228	0 %100
73	M74A	X	0	0	0 %100
74	M74A	Z	7.228	7.228	0 %100
75	M76B	X	0	0	0 %100
76	M76B	Z	7.228	7.228	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	7.228	7.228	0 %100
79	M78B	X	0	0	0 %100
80	M78B	Z	3.8	3.8	0 %100
81	M79C	X	0	0	0 %100
82	M79C	Z	3.8	3.8	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	11.445	11.445	0 %100
85	MP3A	X	0	0	0 %100
86	MP3A	Z	11.445	11.445	0 %100
87	MP4A	X	0	0	0 %100
88	MP4A	Z	11.445	11.445	0 %100
89	MP1C	X	0	0	0 %100
90	MP1C	Z	11.445	11.445	0 %100
91	MP2C	X	0	0	0 %100
92	MP2C	Z	11.445	11.445	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	11.445	11.445	0 %100
95	MP4C	X	0	0	0 %100
96	MP4C	Z	11.445	11.445	0 %100
97	MP1B	X	0	0	0 %100
98	MP1B	Z	11.445	11.445	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	11.445	11.445	0 %100
101	MP3B	X	0	0	0 %100
102	MP3B	Z	11.445	11.445	0 %100
103	MP4B	X	0	0	0 %100
104	MP4B	Z	11.445	11.445	0 %100
105	M102	X	0	0	0 %100
106	M102	Z	3.464	3.464	0 %100
107	M107	X	0	0	0 %100
108	M107	Z	13.854	13.854	0 %100
109	M112	X	0	0	0 %100
110	M112	Z	3.464	3.464	0 %100
111	M123	X	0	0	0 %100
112	M123	Z	4.022	4.022	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	16.087	16.087	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	4.022	4.022	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	M1	X	-5.7	-5.7	0 %100
2	M1	Z	9.872	9.872	0 %100
3	M4	X	-2.141	-2.141	0 %100
4	M4	Z	3.709	3.709	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...]
5	M10	X	-5.436	-5.436	0	%100
6	M10	Z	9.415	9.415	0	%100
7	MP1A	X	-5.723	-5.723	0	%100
8	MP1A	Z	9.912	9.912	0	%100
9	M43	X	-5.436	-5.436	0	%100
10	M43	Z	9.415	9.415	0	%100
11	M46	X	-10.843	-10.843	0	%100
12	M46	Z	18.78	18.78	0	%100
13	M51B	X	-6.021	-6.021	0	%100
14	M51B	Z	10.428	10.428	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.614	-3.614	0	%100
18	M76	Z	6.26	6.26	0	%100
19	M77	X	-11.043	-11.043	0	%100
20	M77	Z	19.128	19.128	0	%100
21	M84	X	-3.614	-3.614	0	%100
22	M84	Z	6.26	6.26	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	-2.141	-2.141	0	%100
26	M52A	Z	3.709	3.709	0	%100
27	M53	X	-5.436	-5.436	0	%100
28	M53	Z	9.415	9.415	0	%100
29	M54	X	-5.436	-5.436	0	%100
30	M54	Z	9.415	9.415	0	%100
31	M55	X	-10.843	-10.843	0	%100
32	M55	Z	18.78	18.78	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	-6.021	-6.021	0	%100
36	M59A	Z	10.428	10.428	0	%100
37	M63	X	-3.614	-3.614	0	%100
38	M63	Z	6.26	6.26	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	-3.614	-3.614	0	%100
42	M68	Z	6.26	6.26	0	%100
43	M69	X	-11.043	-11.043	0	%100
44	M69	Z	19.128	19.128	0	%100
45	M76A	X	-8.566	-8.566	0	%100
46	M76A	Z	14.836	14.836	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	-6.021	-6.021	0	%100
54	M82	Z	10.428	10.428	0	%100
55	M83A	X	-6.021	-6.021	0	%100
56	M83A	Z	10.428	10.428	0	%100
57	M87	X	-14.457	-14.457	0	%100
58	M87	Z	25.04	25.04	0	%100
59	M88A	X	-11.043	-11.043	0	%100
60	M88A	Z	19.128	19.128	0	%100
61	M90	X	-10.843	-10.843	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...]
62	M90	Z	18.78	18.78	0	%100
63	M92A	X	-14.457	-14.457	0	%100
64	M92A	Z	25.04	25.04	0	%100
65	M93	X	-11.043	-11.043	0	%100
66	M93	Z	19.128	19.128	0	%100
67	OVP	X	-4.68	-4.68	0	%100
68	OVP	Z	8.105	8.105	0	%100
69	M70A	X	-10.843	-10.843	0	%100
70	M70A	Z	18.78	18.78	0	%100
71	M72	X	-10.843	-10.843	0	%100
72	M72	Z	18.78	18.78	0	%100
73	M74A	X	-10.843	-10.843	0	%100
74	M74A	Z	18.78	18.78	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-5.7	-5.7	0	%100
80	M78B	Z	9.872	9.872	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-5.723	-5.723	0	%100
84	MP2A	Z	9.912	9.912	0	%100
85	MP3A	X	-5.723	-5.723	0	%100
86	MP3A	Z	9.912	9.912	0	%100
87	MP4A	X	-5.723	-5.723	0	%100
88	MP4A	Z	9.912	9.912	0	%100
89	MP1C	X	-5.723	-5.723	0	%100
90	MP1C	Z	9.912	9.912	0	%100
91	MP2C	X	-5.723	-5.723	0	%100
92	MP2C	Z	9.912	9.912	0	%100
93	MP3C	X	-5.723	-5.723	0	%100
94	MP3C	Z	9.912	9.912	0	%100
95	MP4C	X	-5.723	-5.723	0	%100
96	MP4C	Z	9.912	9.912	0	%100
97	MP1B	X	-5.723	-5.723	0	%100
98	MP1B	Z	9.912	9.912	0	%100
99	MP2B	X	-5.723	-5.723	0	%100
100	MP2B	Z	9.912	9.912	0	%100
101	MP3B	X	-5.723	-5.723	0	%100
102	MP3B	Z	9.912	9.912	0	%100
103	MP4B	X	-5.723	-5.723	0	%100
104	MP4B	Z	9.912	9.912	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-5.195	-5.195	0	%100
108	M107	Z	8.999	8.999	0	%100
109	M112	X	-5.195	-5.195	0	%100
110	M112	Z	8.999	8.999	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-6.033	-6.033	0	%100
114	M124	Z	10.449	10.449	0	%100
115	M125	X	-6.033	-6.033	0	%100
116	M125	Z	10.449	10.449	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	M1	X	-3.291	-3.291	0	%100
2	M1	Z	1.9	1.9	0	%100
3	M4	X	-11.127	-11.127	0	%100
4	M4	Z	6.424	6.424	0	%100
5	M10	X	-3.138	-3.138	0	%100
6	M10	Z	1.812	1.812	0	%100
7	MP1A	X	-9.912	-9.912	0	%100
8	MP1A	Z	5.723	5.723	0	%100
9	M43	X	-3.138	-3.138	0	%100
10	M43	Z	1.812	1.812	0	%100
11	M46	X	-6.26	-6.26	0	%100
12	M46	Z	3.614	3.614	0	%100
13	M51B	X	-13.904	-13.904	0	%100
14	M51B	Z	8.028	8.028	0	%100
15	M52B	X	-3.476	-3.476	0	%100
16	M52B	Z	2.007	2.007	0	%100
17	M76	X	-18.78	-18.78	0	%100
18	M76	Z	10.843	10.843	0	%100
19	M77	X	-25.504	-25.504	0	%100
20	M77	Z	14.725	14.725	0	%100
21	M84	X	-18.78	-18.78	0	%100
22	M84	Z	10.843	10.843	0	%100
23	M85	X	-6.376	-6.376	0	%100
24	M85	Z	3.681	3.681	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	-12.554	-12.554	0	%100
28	M53	Z	7.248	7.248	0	%100
29	M54	X	-12.554	-12.554	0	%100
30	M54	Z	7.248	7.248	0	%100
31	M55	X	-25.04	-25.04	0	%100
32	M55	Z	14.457	14.457	0	%100
33	M58A	X	-3.476	-3.476	0	%100
34	M58A	Z	2.007	2.007	0	%100
35	M59A	X	-3.476	-3.476	0	%100
36	M59A	Z	2.007	2.007	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-6.376	-6.376	0	%100
40	M64	Z	3.681	3.681	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	-6.376	-6.376	0	%100
44	M69	Z	3.681	3.681	0	%100
45	M76A	X	-11.127	-11.127	0	%100
46	M76A	Z	6.424	6.424	0	%100
47	M77A	X	-3.138	-3.138	0	%100
48	M77A	Z	1.812	1.812	0	%100
49	M78	X	-3.138	-3.138	0	%100
50	M78	Z	1.812	1.812	0	%100
51	M79A	X	-6.26	-6.26	0	%100
52	M79A	Z	3.614	3.614	0	%100
53	M82	X	-3.476	-3.476	0	%100
54	M82	Z	2.007	2.007	0	%100
55	M83A	X	-13.904	-13.904	0	%100
56	M83A	Z	8.028	8.028	0	%100
57	M87	X	-18.78	-18.78	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...]
58	M87	Z	10.843	10.843	0	%100
59	M88A	X	-6.376	-6.376	0	%100
60	M88A	Z	3.681	3.681	0	%100
61	M90	X	-6.26	-6.26	0	%100
62	M90	Z	3.614	3.614	0	%100
63	M92A	X	-18.78	-18.78	0	%100
64	M92A	Z	10.843	10.843	0	%100
65	M93	X	-25.504	-25.504	0	%100
66	M93	Z	14.725	14.725	0	%100
67	OVP	X	-8.105	-8.105	0	%100
68	OVP	Z	4.68	4.68	0	%100
69	M70A	X	-6.26	-6.26	0	%100
70	M70A	Z	3.614	3.614	0	%100
71	M72	X	-25.04	-25.04	0	%100
72	M72	Z	14.457	14.457	0	%100
73	M74A	X	-25.04	-25.04	0	%100
74	M74A	Z	14.457	14.457	0	%100
75	M76B	X	-6.26	-6.26	0	%100
76	M76B	Z	3.614	3.614	0	%100
77	M78A	X	-6.26	-6.26	0	%100
78	M78A	Z	3.614	3.614	0	%100
79	M78B	X	-13.163	-13.163	0	%100
80	M78B	Z	7.6	7.6	0	%100
81	M79C	X	-3.291	-3.291	0	%100
82	M79C	Z	1.9	1.9	0	%100
83	MP2A	X	-9.912	-9.912	0	%100
84	MP2A	Z	5.723	5.723	0	%100
85	MP3A	X	-9.912	-9.912	0	%100
86	MP3A	Z	5.723	5.723	0	%100
87	MP4A	X	-9.912	-9.912	0	%100
88	MP4A	Z	5.723	5.723	0	%100
89	MP1C	X	-9.912	-9.912	0	%100
90	MP1C	Z	5.723	5.723	0	%100
91	MP2C	X	-9.912	-9.912	0	%100
92	MP2C	Z	5.723	5.723	0	%100
93	MP3C	X	-9.912	-9.912	0	%100
94	MP3C	Z	5.723	5.723	0	%100
95	MP4C	X	-9.912	-9.912	0	%100
96	MP4C	Z	5.723	5.723	0	%100
97	MP1B	X	-9.912	-9.912	0	%100
98	MP1B	Z	5.723	5.723	0	%100
99	MP2B	X	-9.912	-9.912	0	%100
100	MP2B	Z	5.723	5.723	0	%100
101	MP3B	X	-9.912	-9.912	0	%100
102	MP3B	Z	5.723	5.723	0	%100
103	MP4B	X	-9.912	-9.912	0	%100
104	MP4B	Z	5.723	5.723	0	%100
105	M102	X	-3	-3	0	%100
106	M102	Z	1.732	1.732	0	%100
107	M107	X	-3	-3	0	%100
108	M107	Z	1.732	1.732	0	%100
109	M112	X	-11.998	-11.998	0	%100
110	M112	Z	6.927	6.927	0	%100
111	M123	X	-3.483	-3.483	0	%100
112	M123	Z	2.011	2.011	0	%100
113	M124	X	-3.483	-3.483	0	%100
114	M124	Z	2.011	2.011	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...
115	M125	X	-13.932	-13.932	0 %100
116	M125	Z	8.043	8.043	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	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	M4	X	-17.131	-17.131	0 %100
4	M4	Z	0	0	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	0	0	0 %100
7	MP1A	X	-11.445	-11.445	0 %100
8	MP1A	Z	0	0	0 %100
9	M43	X	0	0	0 %100
10	M43	Z	0	0	0 %100
11	M46	X	0	0	0 %100
12	M46	Z	0	0	0 %100
13	M51B	X	-12.041	-12.041	0 %100
14	M51B	Z	0	0	0 %100
15	M52B	X	-12.041	-12.041	0 %100
16	M52B	Z	0	0	0 %100
17	M76	X	-28.914	-28.914	0 %100
18	M76	Z	0	0	0 %100
19	M77	X	-22.087	-22.087	0 %100
20	M77	Z	0	0	0 %100
21	M84	X	-28.914	-28.914	0 %100
22	M84	Z	0	0	0 %100
23	M85	X	-22.087	-22.087	0 %100
24	M85	Z	0	0	0 %100
25	M52A	X	-4.283	-4.283	0 %100
26	M52A	Z	0	0	0 %100
27	M53	X	-10.872	-10.872	0 %100
28	M53	Z	0	0	0 %100
29	M54	X	-10.872	-10.872	0 %100
30	M54	Z	0	0	0 %100
31	M55	X	-21.685	-21.685	0 %100
32	M55	Z	0	0	0 %100
33	M58A	X	-12.041	-12.041	0 %100
34	M58A	Z	0	0	0 %100
35	M59A	X	0	0	0 %100
36	M59A	Z	0	0	0 %100
37	M63	X	-7.228	-7.228	0 %100
38	M63	Z	0	0	0 %100
39	M64	X	-22.087	-22.087	0 %100
40	M64	Z	0	0	0 %100
41	M68	X	-7.228	-7.228	0 %100
42	M68	Z	0	0	0 %100
43	M69	X	0	0	0 %100
44	M69	Z	0	0	0 %100
45	M76A	X	-4.283	-4.283	0 %100
46	M76A	Z	0	0	0 %100
47	M77A	X	-10.872	-10.872	0 %100
48	M77A	Z	0	0	0 %100
49	M78	X	-10.872	-10.872	0 %100
50	M78	Z	0	0	0 %100
51	M79A	X	-21.685	-21.685	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...]
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-12.041	-12.041	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-7.228	-7.228	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	0	0	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	-7.228	-7.228	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-22.087	-22.087	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-9.359	-9.359	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	-21.685	-21.685	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	-21.685	-21.685	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-21.685	-21.685	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	-21.685	-21.685	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-11.4	-11.4	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-11.4	-11.4	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-11.445	-11.445	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	-11.445	-11.445	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-11.445	-11.445	0	%100
88	MP4A	Z	0	0	0	%100
89	MP1C	X	-11.445	-11.445	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-11.445	-11.445	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-11.445	-11.445	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-11.445	-11.445	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	-11.445	-11.445	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-11.445	-11.445	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-11.445	-11.445	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-11.445	-11.445	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	-10.391	-10.391	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	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...
109	M112	X	-10.391	-10.391	0 %100
110	M112	Z	0	0	0 %100
111	M123	X	-12.065	-12.065	0 %100
112	M123	Z	0	0	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	0	0	0 %100
115	M125	X	-12.065	-12.065	0 %100
116	M125	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	M1	X	-3.291	-3.291	0 %100
2	M1	Z	-1.9	-1.9	0 %100
3	M4	X	-11.127	-11.127	0 %100
4	M4	Z	-6.424	-6.424	0 %100
5	M10	X	-3.138	-3.138	0 %100
6	M10	Z	-1.812	-1.812	0 %100
7	MP1A	X	-9.912	-9.912	0 %100
8	MP1A	Z	-5.723	-5.723	0 %100
9	M43	X	-3.138	-3.138	0 %100
10	M43	Z	-1.812	-1.812	0 %100
11	M46	X	-6.26	-6.26	0 %100
12	M46	Z	-3.614	-3.614	0 %100
13	M51B	X	-3.476	-3.476	0 %100
14	M51B	Z	-2.007	-2.007	0 %100
15	M52B	X	-13.904	-13.904	0 %100
16	M52B	Z	-8.028	-8.028	0 %100
17	M76	X	-18.78	-18.78	0 %100
18	M76	Z	-10.843	-10.843	0 %100
19	M77	X	-6.376	-6.376	0 %100
20	M77	Z	-3.681	-3.681	0 %100
21	M84	X	-18.78	-18.78	0 %100
22	M84	Z	-10.843	-10.843	0 %100
23	M85	X	-25.504	-25.504	0 %100
24	M85	Z	-14.725	-14.725	0 %100
25	M52A	X	-11.127	-11.127	0 %100
26	M52A	Z	-6.424	-6.424	0 %100
27	M53	X	-3.138	-3.138	0 %100
28	M53	Z	-1.812	-1.812	0 %100
29	M54	X	-3.138	-3.138	0 %100
30	M54	Z	-1.812	-1.812	0 %100
31	M55	X	-6.26	-6.26	0 %100
32	M55	Z	-3.614	-3.614	0 %100
33	M58A	X	-13.904	-13.904	0 %100
34	M58A	Z	-8.028	-8.028	0 %100
35	M59A	X	-3.476	-3.476	0 %100
36	M59A	Z	-2.007	-2.007	0 %100
37	M63	X	-18.78	-18.78	0 %100
38	M63	Z	-10.843	-10.843	0 %100
39	M64	X	-25.504	-25.504	0 %100
40	M64	Z	-14.725	-14.725	0 %100
41	M68	X	-18.78	-18.78	0 %100
42	M68	Z	-10.843	-10.843	0 %100
43	M69	X	-6.376	-6.376	0 %100
44	M69	Z	-3.681	-3.681	0 %100
45	M76A	X	0	0	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...]
46	M76A	Z	0	0	0	%100
47	M77A	X	-12.554	-12.554	0	%100
48	M77A	Z	-7.248	-7.248	0	%100
49	M78	X	-12.554	-12.554	0	%100
50	M78	Z	-7.248	-7.248	0	%100
51	M79A	X	-25.04	-25.04	0	%100
52	M79A	Z	-14.457	-14.457	0	%100
53	M82	X	-3.476	-3.476	0	%100
54	M82	Z	-2.007	-2.007	0	%100
55	M83A	X	-3.476	-3.476	0	%100
56	M83A	Z	-2.007	-2.007	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	-6.376	-6.376	0	%100
60	M88A	Z	-3.681	-3.681	0	%100
61	M90	X	-6.26	-6.26	0	%100
62	M90	Z	-3.614	-3.614	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-6.376	-6.376	0	%100
66	M93	Z	-3.681	-3.681	0	%100
67	OVP	X	-8.105	-8.105	0	%100
68	OVP	Z	-4.68	-4.68	0	%100
69	M70A	X	-6.26	-6.26	0	%100
70	M70A	Z	-3.614	-3.614	0	%100
71	M72	X	-6.26	-6.26	0	%100
72	M72	Z	-3.614	-3.614	0	%100
73	M74A	X	-6.26	-6.26	0	%100
74	M74A	Z	-3.614	-3.614	0	%100
75	M76B	X	-25.04	-25.04	0	%100
76	M76B	Z	-14.457	-14.457	0	%100
77	M78A	X	-25.04	-25.04	0	%100
78	M78A	Z	-14.457	-14.457	0	%100
79	M78B	X	-3.291	-3.291	0	%100
80	M78B	Z	-1.9	-1.9	0	%100
81	M79C	X	-13.163	-13.163	0	%100
82	M79C	Z	-7.6	-7.6	0	%100
83	MP2A	X	-9.912	-9.912	0	%100
84	MP2A	Z	-5.723	-5.723	0	%100
85	MP3A	X	-9.912	-9.912	0	%100
86	MP3A	Z	-5.723	-5.723	0	%100
87	MP4A	X	-9.912	-9.912	0	%100
88	MP4A	Z	-5.723	-5.723	0	%100
89	MP1C	X	-9.912	-9.912	0	%100
90	MP1C	Z	-5.723	-5.723	0	%100
91	MP2C	X	-9.912	-9.912	0	%100
92	MP2C	Z	-5.723	-5.723	0	%100
93	MP3C	X	-9.912	-9.912	0	%100
94	MP3C	Z	-5.723	-5.723	0	%100
95	MP4C	X	-9.912	-9.912	0	%100
96	MP4C	Z	-5.723	-5.723	0	%100
97	MP1B	X	-9.912	-9.912	0	%100
98	MP1B	Z	-5.723	-5.723	0	%100
99	MP2B	X	-9.912	-9.912	0	%100
100	MP2B	Z	-5.723	-5.723	0	%100
101	MP3B	X	-9.912	-9.912	0	%100
102	MP3B	Z	-5.723	-5.723	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...]
103	MP4B	X	-9.912	-9.912	0	%100
104	MP4B	Z	-5.723	-5.723	0	%100
105	M102	X	-11.998	-11.998	0	%100
106	M102	Z	-6.927	-6.927	0	%100
107	M107	X	-3	-3	0	%100
108	M107	Z	-1.732	-1.732	0	%100
109	M112	X	-3	-3	0	%100
110	M112	Z	-1.732	-1.732	0	%100
111	M123	X	-13.932	-13.932	0	%100
112	M123	Z	-8.043	-8.043	0	%100
113	M124	X	-3.483	-3.483	0	%100
114	M124	Z	-2.011	-2.011	0	%100
115	M125	X	-3.483	-3.483	0	%100
116	M125	Z	-2.011	-2.011	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	M1	X	-5.7	-5.7	0	%100
2	M1	Z	-9.872	-9.872	0	%100
3	M4	X	-2.141	-2.141	0	%100
4	M4	Z	-3.709	-3.709	0	%100
5	M10	X	-5.436	-5.436	0	%100
6	M10	Z	-9.415	-9.415	0	%100
7	MP1A	X	-5.723	-5.723	0	%100
8	MP1A	Z	-9.912	-9.912	0	%100
9	M43	X	-5.436	-5.436	0	%100
10	M43	Z	-9.415	-9.415	0	%100
11	M46	X	-10.843	-10.843	0	%100
12	M46	Z	-18.78	-18.78	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-6.021	-6.021	0	%100
16	M52B	Z	-10.428	-10.428	0	%100
17	M76	X	-3.614	-3.614	0	%100
18	M76	Z	-6.26	-6.26	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	-3.614	-3.614	0	%100
22	M84	Z	-6.26	-6.26	0	%100
23	M85	X	-11.043	-11.043	0	%100
24	M85	Z	-19.128	-19.128	0	%100
25	M52A	X	-8.566	-8.566	0	%100
26	M52A	Z	-14.836	-14.836	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-6.021	-6.021	0	%100
34	M58A	Z	-10.428	-10.428	0	%100
35	M59A	X	-6.021	-6.021	0	%100
36	M59A	Z	-10.428	-10.428	0	%100
37	M63	X	-14.457	-14.457	0	%100
38	M63	Z	-25.04	-25.04	0	%100
39	M64	X	-11.043	-11.043	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...]
40	M64	Z	-19.128	-19.128	0	%100
41	M68	X	-14.457	-14.457	0	%100
42	M68	Z	-25.04	-25.04	0	%100
43	M69	X	-11.043	-11.043	0	%100
44	M69	Z	-19.128	-19.128	0	%100
45	M76A	X	-2.141	-2.141	0	%100
46	M76A	Z	-3.709	-3.709	0	%100
47	M77A	X	-5.436	-5.436	0	%100
48	M77A	Z	-9.415	-9.415	0	%100
49	M78	X	-5.436	-5.436	0	%100
50	M78	Z	-9.415	-9.415	0	%100
51	M79A	X	-10.843	-10.843	0	%100
52	M79A	Z	-18.78	-18.78	0	%100
53	M82	X	-6.021	-6.021	0	%100
54	M82	Z	-10.428	-10.428	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-3.614	-3.614	0	%100
58	M87	Z	-6.26	-6.26	0	%100
59	M88A	X	-11.043	-11.043	0	%100
60	M88A	Z	-19.128	-19.128	0	%100
61	M90	X	-10.843	-10.843	0	%100
62	M90	Z	-18.78	-18.78	0	%100
63	M92A	X	-3.614	-3.614	0	%100
64	M92A	Z	-6.26	-6.26	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-4.68	-4.68	0	%100
68	OVP	Z	-8.105	-8.105	0	%100
69	M70A	X	-10.843	-10.843	0	%100
70	M70A	Z	-18.78	-18.78	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-10.843	-10.843	0	%100
76	M76B	Z	-18.78	-18.78	0	%100
77	M78A	X	-10.843	-10.843	0	%100
78	M78A	Z	-18.78	-18.78	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-5.7	-5.7	0	%100
82	M79C	Z	-9.872	-9.872	0	%100
83	MP2A	X	-5.723	-5.723	0	%100
84	MP2A	Z	-9.912	-9.912	0	%100
85	MP3A	X	-5.723	-5.723	0	%100
86	MP3A	Z	-9.912	-9.912	0	%100
87	MP4A	X	-5.723	-5.723	0	%100
88	MP4A	Z	-9.912	-9.912	0	%100
89	MP1C	X	-5.723	-5.723	0	%100
90	MP1C	Z	-9.912	-9.912	0	%100
91	MP2C	X	-5.723	-5.723	0	%100
92	MP2C	Z	-9.912	-9.912	0	%100
93	MP3C	X	-5.723	-5.723	0	%100
94	MP3C	Z	-9.912	-9.912	0	%100
95	MP4C	X	-5.723	-5.723	0	%100
96	MP4C	Z	-9.912	-9.912	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...
97	MP1B	X	-5.723	-5.723	0 %100
98	MP1B	Z	-9.912	-9.912	0 %100
99	MP2B	X	-5.723	-5.723	0 %100
100	MP2B	Z	-9.912	-9.912	0 %100
101	MP3B	X	-5.723	-5.723	0 %100
102	MP3B	Z	-9.912	-9.912	0 %100
103	MP4B	X	-5.723	-5.723	0 %100
104	MP4B	Z	-9.912	-9.912	0 %100
105	M102	X	-5.195	-5.195	0 %100
106	M102	Z	-8.999	-8.999	0 %100
107	M107	X	-5.195	-5.195	0 %100
108	M107	Z	-8.999	-8.999	0 %100
109	M112	X	0	0	0 %100
110	M112	Z	0	0	0 %100
111	M123	X	-6.033	-6.033	0 %100
112	M123	Z	-10.449	-10.449	0 %100
113	M124	X	-6.033	-6.033	0 %100
114	M124	Z	-10.449	-10.449	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	0	0	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	M1	X	0	0	0 %100
2	M1	Z	-4.434	-4.434	0 %100
3	M4	X	0	0	0 %100
4	M4	Z	0	0	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	-3.638	-3.638	0 %100
7	MP1A	X	0	0	0 %100
8	MP1A	Z	-3.58	-3.58	0 %100
9	M43	X	0	0	0 %100
10	M43	Z	-3.638	-3.638	0 %100
11	M46	X	0	0	0 %100
12	M46	Z	-5.682	-5.682	0 %100
13	M51B	X	0	0	0 %100
14	M51B	Z	-1.046	-1.046	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	-1.046	-1.046	0 %100
17	M76	X	0	0	0 %100
18	M76	Z	0	0	0 %100
19	M77	X	0	0	0 %100
20	M77	Z	-1.419	-1.419	0 %100
21	M84	X	0	0	0 %100
22	M84	Z	0	0	0 %100
23	M85	X	0	0	0 %100
24	M85	Z	-1.419	-1.419	0 %100
25	M52A	X	0	0	0 %100
26	M52A	Z	-3.357	-3.357	0 %100
27	M53	X	0	0	0 %100
28	M53	Z	-0.909	-0.909	0 %100
29	M54	X	0	0	0 %100
30	M54	Z	-0.909	-0.909	0 %100
31	M55	X	0	0	0 %100
32	M55	Z	-1.42	-1.42	0 %100
33	M58A	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...]
34	M58A	Z	-1.046	-1.046	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-4.185	-4.185	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-4.193	-4.193	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-1.419	-1.419	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	-4.193	-4.193	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	-5.674	-5.674	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	-3.357	-3.357	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	-909	-909	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-909	-909	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	-1.42	-1.42	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-4.185	-4.185	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-1.046	-1.046	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	-4.193	-4.193	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	-5.674	-5.674	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	-5.59	-5.59	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	-4.193	-4.193	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-1.419	-1.419	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-2.934	-2.934	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	-5.59	-5.59	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-1.398	-1.398	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	-1.398	-1.398	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	-1.398	-1.398	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-1.398	-1.398	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	-1.108	-1.108	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	-1.108	-1.108	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-3.58	-3.58	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	-3.58	-3.58	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-3.58	-3.58	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-3.58	-3.58	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...
91	MP2C	X	0	0	0 %100
92	MP2C	Z	-3.58	-3.58	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	-3.58	-3.58	0 %100
95	MP4C	X	0	0	0 %100
96	MP4C	Z	-3.58	-3.58	0 %100
97	MP1B	X	0	0	0 %100
98	MP1B	Z	-3.58	-3.58	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	-3.58	-3.58	0 %100
101	MP3B	X	0	0	0 %100
102	MP3B	Z	-3.58	-3.58	0 %100
103	MP4B	X	0	0	0 %100
104	MP4B	Z	-3.58	-3.58	0 %100
105	M102	X	0	0	0 %100
106	M102	Z	-.99	-.99	0 %100
107	M107	X	0	0	0 %100
108	M107	Z	-3.96	-3.96	0 %100
109	M112	X	0	0	0 %100
110	M112	Z	-.99	-.99	0 %100
111	M123	X	0	0	0 %100
112	M123	Z	-.93	-.93	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	-3.722	-3.722	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	-.93	-.93	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	M1	X	1.663	1.663	0 %100
2	M1	Z	-2.88	-2.88	0 %100
3	M4	X	.559	.559	0 %100
4	M4	Z	-.969	-.969	0 %100
5	M10	X	1.364	1.364	0 %100
6	M10	Z	-2.363	-2.363	0 %100
7	MP1A	X	1.79	1.79	0 %100
8	MP1A	Z	-3.1	-3.1	0 %100
9	M43	X	1.364	1.364	0 %100
10	M43	Z	-2.363	-2.363	0 %100
11	M46	X	2.131	2.131	0 %100
12	M46	Z	-3.69	-3.69	0 %100
13	M51B	X	1.569	1.569	0 %100
14	M51B	Z	-2.718	-2.718	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	0	0	0 %100
17	M76	X	.699	.699	0 %100
18	M76	Z	-1.21	-1.21	0 %100
19	M77	X	2.128	2.128	0 %100
20	M77	Z	-3.686	-3.686	0 %100
21	M84	X	.699	.699	0 %100
22	M84	Z	-1.21	-1.21	0 %100
23	M85	X	0	0	0 %100
24	M85	Z	0	0	0 %100
25	M52A	X	.559	.559	0 %100
26	M52A	Z	-.969	-.969	0 %100
27	M53	X	1.364	1.364	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...]
28	M53	Z	-2.363	-2.363	0	%100
29	M54	X	1.364	1.364	0	%100
30	M54	Z	-2.363	-2.363	0	%100
31	M55	X	2.131	2.131	0	%100
32	M55	Z	-3.69	-3.69	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	1.569	1.569	0	%100
36	M59A	Z	-2.718	-2.718	0	%100
37	M63	X	.699	.699	0	%100
38	M63	Z	-1.21	-1.21	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	.699	.699	0	%100
42	M68	Z	-1.21	-1.21	0	%100
43	M69	X	2.128	2.128	0	%100
44	M69	Z	-3.686	-3.686	0	%100
45	M76A	X	2.238	2.238	0	%100
46	M76A	Z	-3.876	-3.876	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	1.569	1.569	0	%100
54	M82	Z	-2.718	-2.718	0	%100
55	M83A	X	1.569	1.569	0	%100
56	M83A	Z	-2.718	-2.718	0	%100
57	M87	X	2.795	2.795	0	%100
58	M87	Z	-4.841	-4.841	0	%100
59	M88A	X	2.128	2.128	0	%100
60	M88A	Z	-3.686	-3.686	0	%100
61	M90	X	2.096	2.096	0	%100
62	M90	Z	-3.631	-3.631	0	%100
63	M92A	X	2.795	2.795	0	%100
64	M92A	Z	-4.841	-4.841	0	%100
65	M93	X	2.128	2.128	0	%100
66	M93	Z	-3.686	-3.686	0	%100
67	OVP	X	1.467	1.467	0	%100
68	OVP	Z	-2.541	-2.541	0	%100
69	M70A	X	2.096	2.096	0	%100
70	M70A	Z	-3.631	-3.631	0	%100
71	M72	X	2.096	2.096	0	%100
72	M72	Z	-3.631	-3.631	0	%100
73	M74A	X	2.096	2.096	0	%100
74	M74A	Z	-3.631	-3.631	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	1.663	1.663	0	%100
80	M78B	Z	-2.88	-2.88	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	1.79	1.79	0	%100
84	MP2A	Z	-3.1	-3.1	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...
85	MP3A	X	1.79	1.79	0 %100
86	MP3A	Z	-3.1	-3.1	0 %100
87	MP4A	X	1.79	1.79	0 %100
88	MP4A	Z	-3.1	-3.1	0 %100
89	MP1C	X	1.79	1.79	0 %100
90	MP1C	Z	-3.1	-3.1	0 %100
91	MP2C	X	1.79	1.79	0 %100
92	MP2C	Z	-3.1	-3.1	0 %100
93	MP3C	X	1.79	1.79	0 %100
94	MP3C	Z	-3.1	-3.1	0 %100
95	MP4C	X	1.79	1.79	0 %100
96	MP4C	Z	-3.1	-3.1	0 %100
97	MP1B	X	1.79	1.79	0 %100
98	MP1B	Z	-3.1	-3.1	0 %100
99	MP2B	X	1.79	1.79	0 %100
100	MP2B	Z	-3.1	-3.1	0 %100
101	MP3B	X	1.79	1.79	0 %100
102	MP3B	Z	-3.1	-3.1	0 %100
103	MP4B	X	1.79	1.79	0 %100
104	MP4B	Z	-3.1	-3.1	0 %100
105	M102	X	0	0	0 %100
106	M102	Z	0	0	0 %100
107	M107	X	1.485	1.485	0 %100
108	M107	Z	-2.572	-2.572	0 %100
109	M112	X	1.485	1.485	0 %100
110	M112	Z	-2.572	-2.572	0 %100
111	M123	X	0	0	0 %100
112	M123	Z	0	0	0 %100
113	M124	X	1.396	1.396	0 %100
114	M124	Z	-2.417	-2.417	0 %100
115	M125	X	1.396	1.396	0 %100
116	M125	Z	-2.417	-2.417	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	M1	X	.96	.96	0 %100
2	M1	Z	-.554	-.554	0 %100
3	M4	X	2.907	2.907	0 %100
4	M4	Z	-1.678	-1.678	0 %100
5	M10	X	.788	.788	0 %100
6	M10	Z	-.455	-.455	0 %100
7	MP1A	X	3.1	3.1	0 %100
8	MP1A	Z	-1.79	-1.79	0 %100
9	M43	X	.788	.788	0 %100
10	M43	Z	-.455	-.455	0 %100
11	M46	X	1.23	1.23	0 %100
12	M46	Z	-.71	-.71	0 %100
13	M51B	X	3.624	3.624	0 %100
14	M51B	Z	-2.092	-2.092	0 %100
15	M52B	X	.906	.906	0 %100
16	M52B	Z	-.523	-.523	0 %100
17	M76	X	3.631	3.631	0 %100
18	M76	Z	-2.096	-2.096	0 %100
19	M77	X	4.914	4.914	0 %100
20	M77	Z	-2.837	-2.837	0 %100
21	M84	X	3.631	3.631	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...]
22	M84	Z	-2.096	-2.096	0	%100
23	M85	X	1.229	1.229	0	%100
24	M85	Z	-.709	-.709	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	3.151	3.151	0	%100
28	M53	Z	-1.819	-1.819	0	%100
29	M54	X	3.151	3.151	0	%100
30	M54	Z	-1.819	-1.819	0	%100
31	M55	X	4.921	4.921	0	%100
32	M55	Z	-2.841	-2.841	0	%100
33	M58A	X	.906	.906	0	%100
34	M58A	Z	-.523	-.523	0	%100
35	M59A	X	.906	.906	0	%100
36	M59A	Z	-.523	-.523	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	1.229	1.229	0	%100
40	M64	Z	-.709	-.709	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	1.229	1.229	0	%100
44	M69	Z	-.709	-.709	0	%100
45	M76A	X	2.907	2.907	0	%100
46	M76A	Z	-1.678	-1.678	0	%100
47	M77A	X	.788	.788	0	%100
48	M77A	Z	-.455	-.455	0	%100
49	M78	X	.788	.788	0	%100
50	M78	Z	-.455	-.455	0	%100
51	M79A	X	1.23	1.23	0	%100
52	M79A	Z	-.71	-.71	0	%100
53	M82	X	.906	.906	0	%100
54	M82	Z	-.523	-.523	0	%100
55	M83A	X	3.624	3.624	0	%100
56	M83A	Z	-2.092	-2.092	0	%100
57	M87	X	3.631	3.631	0	%100
58	M87	Z	-2.096	-2.096	0	%100
59	M88A	X	1.229	1.229	0	%100
60	M88A	Z	-.709	-.709	0	%100
61	M90	X	1.21	1.21	0	%100
62	M90	Z	-.699	-.699	0	%100
63	M92A	X	3.631	3.631	0	%100
64	M92A	Z	-2.096	-2.096	0	%100
65	M93	X	4.914	4.914	0	%100
66	M93	Z	-2.837	-2.837	0	%100
67	OVP	X	2.541	2.541	0	%100
68	OVP	Z	-1.467	-1.467	0	%100
69	M70A	X	1.21	1.21	0	%100
70	M70A	Z	-.699	-.699	0	%100
71	M72	X	4.841	4.841	0	%100
72	M72	Z	-2.795	-2.795	0	%100
73	M74A	X	4.841	4.841	0	%100
74	M74A	Z	-2.795	-2.795	0	%100
75	M76B	X	1.21	1.21	0	%100
76	M76B	Z	-.699	-.699	0	%100
77	M78A	X	1.21	1.21	0	%100
78	M78A	Z	-.699	-.699	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...
79	M78B	X	3.84	3.84	0 %100
80	M78B	Z	-2.217	-2.217	0 %100
81	M79C	X	.96	.96	0 %100
82	M79C	Z	-.554	-.554	0 %100
83	MP2A	X	3.1	3.1	0 %100
84	MP2A	Z	-1.79	-1.79	0 %100
85	MP3A	X	3.1	3.1	0 %100
86	MP3A	Z	-1.79	-1.79	0 %100
87	MP4A	X	3.1	3.1	0 %100
88	MP4A	Z	-1.79	-1.79	0 %100
89	MP1C	X	3.1	3.1	0 %100
90	MP1C	Z	-1.79	-1.79	0 %100
91	MP2C	X	3.1	3.1	0 %100
92	MP2C	Z	-1.79	-1.79	0 %100
93	MP3C	X	3.1	3.1	0 %100
94	MP3C	Z	-1.79	-1.79	0 %100
95	MP4C	X	3.1	3.1	0 %100
96	MP4C	Z	-1.79	-1.79	0 %100
97	MP1B	X	3.1	3.1	0 %100
98	MP1B	Z	-1.79	-1.79	0 %100
99	MP2B	X	3.1	3.1	0 %100
100	MP2B	Z	-1.79	-1.79	0 %100
101	MP3B	X	3.1	3.1	0 %100
102	MP3B	Z	-1.79	-1.79	0 %100
103	MP4B	X	3.1	3.1	0 %100
104	MP4B	Z	-1.79	-1.79	0 %100
105	M102	X	.857	.857	0 %100
106	M102	Z	-.495	-.495	0 %100
107	M107	X	.857	.857	0 %100
108	M107	Z	-.495	-.495	0 %100
109	M112	X	3.429	3.429	0 %100
110	M112	Z	-1.98	-1.98	0 %100
111	M123	X	.806	.806	0 %100
112	M123	Z	-.465	-.465	0 %100
113	M124	X	.806	.806	0 %100
114	M124	Z	-.465	-.465	0 %100
115	M125	X	3.223	3.223	0 %100
116	M125	Z	-1.861	-1.861	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	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	M4	X	4.476	4.476	0 %100
4	M4	Z	0	0	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	0	0	0 %100
7	MP1A	X	3.58	3.58	0 %100
8	MP1A	Z	0	0	0 %100
9	M43	X	0	0	0 %100
10	M43	Z	0	0	0 %100
11	M46	X	0	0	0 %100
12	M46	Z	0	0	0 %100
13	M51B	X	3.139	3.139	0 %100
14	M51B	Z	0	0	0 %100
15	M52B	X	3.139	3.139	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...]
16	M52B	Z	0	0	0	%100
17	M76	X	5.59	5.59	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	4.256	4.256	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	5.59	5.59	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	4.256	4.256	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	1.119	1.119	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	2.728	2.728	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	2.728	2.728	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	4.261	4.261	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	3.139	3.139	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	1.398	1.398	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	4.256	4.256	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	1.398	1.398	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	0	0	0	%100
45	M76A	X	1.119	1.119	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	2.728	2.728	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	2.728	2.728	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	4.261	4.261	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	3.139	3.139	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	1.398	1.398	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	0	0	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	1.398	1.398	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	4.256	4.256	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	2.934	2.934	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	4.193	4.193	0	%100
72	M72	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...]
73	M74A	X	4.193	4.193	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	4.193	4.193	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	4.193	4.193	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	3.325	3.325	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	3.325	3.325	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	3.58	3.58	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	3.58	3.58	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	3.58	3.58	0	%100
88	MP4A	Z	0	0	0	%100
89	MP1C	X	3.58	3.58	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	3.58	3.58	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	3.58	3.58	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	3.58	3.58	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	3.58	3.58	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	3.58	3.58	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	3.58	3.58	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	3.58	3.58	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	2.97	2.97	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	2.97	2.97	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	2.791	2.791	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	2.791	2.791	0	%100
116	M125	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	M1	X	.96	.96	0	%100
2	M1	Z	.554	.554	0	%100
3	M4	X	2.907	2.907	0	%100
4	M4	Z	1.678	1.678	0	%100
5	M10	X	.788	.788	0	%100
6	M10	Z	.455	.455	0	%100
7	MP1A	X	3.1	3.1	0	%100
8	MP1A	Z	1.79	1.79	0	%100
9	M43	X	.788	.788	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...]
10	M43	Z	.455	.455	0	%100
11	M46	X	1.23	1.23	0	%100
12	M46	Z	.71	.71	0	%100
13	M51B	X	.906	.906	0	%100
14	M51B	Z	.523	.523	0	%100
15	M52B	X	3.624	3.624	0	%100
16	M52B	Z	2.092	2.092	0	%100
17	M76	X	3.631	3.631	0	%100
18	M76	Z	2.096	2.096	0	%100
19	M77	X	1.229	1.229	0	%100
20	M77	Z	.709	.709	0	%100
21	M84	X	3.631	3.631	0	%100
22	M84	Z	2.096	2.096	0	%100
23	M85	X	4.914	4.914	0	%100
24	M85	Z	2.837	2.837	0	%100
25	M52A	X	2.907	2.907	0	%100
26	M52A	Z	1.678	1.678	0	%100
27	M53	X	.788	.788	0	%100
28	M53	Z	.455	.455	0	%100
29	M54	X	.788	.788	0	%100
30	M54	Z	.455	.455	0	%100
31	M55	X	1.23	1.23	0	%100
32	M55	Z	.71	.71	0	%100
33	M58A	X	3.624	3.624	0	%100
34	M58A	Z	2.092	2.092	0	%100
35	M59A	X	.906	.906	0	%100
36	M59A	Z	.523	.523	0	%100
37	M63	X	3.631	3.631	0	%100
38	M63	Z	2.096	2.096	0	%100
39	M64	X	4.914	4.914	0	%100
40	M64	Z	2.837	2.837	0	%100
41	M68	X	3.631	3.631	0	%100
42	M68	Z	2.096	2.096	0	%100
43	M69	X	1.229	1.229	0	%100
44	M69	Z	.709	.709	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	3.151	3.151	0	%100
48	M77A	Z	1.819	1.819	0	%100
49	M78	X	3.151	3.151	0	%100
50	M78	Z	1.819	1.819	0	%100
51	M79A	X	4.921	4.921	0	%100
52	M79A	Z	2.841	2.841	0	%100
53	M82	X	.906	.906	0	%100
54	M82	Z	.523	.523	0	%100
55	M83A	X	.906	.906	0	%100
56	M83A	Z	.523	.523	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	1.229	1.229	0	%100
60	M88A	Z	.709	.709	0	%100
61	M90	X	1.21	1.21	0	%100
62	M90	Z	.699	.699	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	1.229	1.229	0	%100
66	M93	Z	.709	.709	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...
67	OVP	X	2.541	2.541	0 %100
68	OVP	Z	1.467	1.467	0 %100
69	M70A	X	1.21	1.21	0 %100
70	M70A	Z	.699	.699	0 %100
71	M72	X	1.21	1.21	0 %100
72	M72	Z	.699	.699	0 %100
73	M74A	X	1.21	1.21	0 %100
74	M74A	Z	.699	.699	0 %100
75	M76B	X	4.841	4.841	0 %100
76	M76B	Z	2.795	2.795	0 %100
77	M78A	X	4.841	4.841	0 %100
78	M78A	Z	2.795	2.795	0 %100
79	M78B	X	.96	.96	0 %100
80	M78B	Z	.554	.554	0 %100
81	M79C	X	3.84	3.84	0 %100
82	M79C	Z	2.217	2.217	0 %100
83	MP2A	X	3.1	3.1	0 %100
84	MP2A	Z	1.79	1.79	0 %100
85	MP3A	X	3.1	3.1	0 %100
86	MP3A	Z	1.79	1.79	0 %100
87	MP4A	X	3.1	3.1	0 %100
88	MP4A	Z	1.79	1.79	0 %100
89	MP1C	X	3.1	3.1	0 %100
90	MP1C	Z	1.79	1.79	0 %100
91	MP2C	X	3.1	3.1	0 %100
92	MP2C	Z	1.79	1.79	0 %100
93	MP3C	X	3.1	3.1	0 %100
94	MP3C	Z	1.79	1.79	0 %100
95	MP4C	X	3.1	3.1	0 %100
96	MP4C	Z	1.79	1.79	0 %100
97	MP1B	X	3.1	3.1	0 %100
98	MP1B	Z	1.79	1.79	0 %100
99	MP2B	X	3.1	3.1	0 %100
100	MP2B	Z	1.79	1.79	0 %100
101	MP3B	X	3.1	3.1	0 %100
102	MP3B	Z	1.79	1.79	0 %100
103	MP4B	X	3.1	3.1	0 %100
104	MP4B	Z	1.79	1.79	0 %100
105	M102	X	3.429	3.429	0 %100
106	M102	Z	1.98	1.98	0 %100
107	M107	X	.857	.857	0 %100
108	M107	Z	.495	.495	0 %100
109	M112	X	.857	.857	0 %100
110	M112	Z	.495	.495	0 %100
111	M123	X	3.223	3.223	0 %100
112	M123	Z	1.861	1.861	0 %100
113	M124	X	.806	.806	0 %100
114	M124	Z	.465	.465	0 %100
115	M125	X	.806	.806	0 %100
116	M125	Z	.465	.465	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	M1	X	1.663	1.663	0 %100
2	M1	Z	2.88	2.88	0 %100
3	M4	X	.559	.559	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...]
4	M4	Z	.969	.969	0	%100
5	M10	X	1.364	1.364	0	%100
6	M10	Z	2.363	2.363	0	%100
7	MP1A	X	1.79	1.79	0	%100
8	MP1A	Z	3.1	3.1	0	%100
9	M43	X	1.364	1.364	0	%100
10	M43	Z	2.363	2.363	0	%100
11	M46	X	2.131	2.131	0	%100
12	M46	Z	3.69	3.69	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	1.569	1.569	0	%100
16	M52B	Z	2.718	2.718	0	%100
17	M76	X	.699	.699	0	%100
18	M76	Z	1.21	1.21	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	.699	.699	0	%100
22	M84	Z	1.21	1.21	0	%100
23	M85	X	2.128	2.128	0	%100
24	M85	Z	3.686	3.686	0	%100
25	M52A	X	2.238	2.238	0	%100
26	M52A	Z	3.876	3.876	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	1.569	1.569	0	%100
34	M58A	Z	2.718	2.718	0	%100
35	M59A	X	1.569	1.569	0	%100
36	M59A	Z	2.718	2.718	0	%100
37	M63	X	2.795	2.795	0	%100
38	M63	Z	4.841	4.841	0	%100
39	M64	X	2.128	2.128	0	%100
40	M64	Z	3.686	3.686	0	%100
41	M68	X	2.795	2.795	0	%100
42	M68	Z	4.841	4.841	0	%100
43	M69	X	2.128	2.128	0	%100
44	M69	Z	3.686	3.686	0	%100
45	M76A	X	.559	.559	0	%100
46	M76A	Z	.969	.969	0	%100
47	M77A	X	1.364	1.364	0	%100
48	M77A	Z	2.363	2.363	0	%100
49	M78	X	1.364	1.364	0	%100
50	M78	Z	2.363	2.363	0	%100
51	M79A	X	2.131	2.131	0	%100
52	M79A	Z	3.69	3.69	0	%100
53	M82	X	1.569	1.569	0	%100
54	M82	Z	2.718	2.718	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	.699	.699	0	%100
58	M87	Z	1.21	1.21	0	%100
59	M88A	X	2.128	2.128	0	%100
60	M88A	Z	3.686	3.686	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...
61	M90	X	2.096	2.096	0	%100
62	M90	Z	3.631	3.631	0	%100
63	M92A	X	.699	.699	0	%100
64	M92A	Z	1.21	1.21	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	1.467	1.467	0	%100
68	OVP	Z	2.541	2.541	0	%100
69	M70A	X	2.096	2.096	0	%100
70	M70A	Z	3.631	3.631	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	2.096	2.096	0	%100
76	M76B	Z	3.631	3.631	0	%100
77	M78A	X	2.096	2.096	0	%100
78	M78A	Z	3.631	3.631	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	1.663	1.663	0	%100
82	M79C	Z	2.88	2.88	0	%100
83	MP2A	X	1.79	1.79	0	%100
84	MP2A	Z	3.1	3.1	0	%100
85	MP3A	X	1.79	1.79	0	%100
86	MP3A	Z	3.1	3.1	0	%100
87	MP4A	X	1.79	1.79	0	%100
88	MP4A	Z	3.1	3.1	0	%100
89	MP1C	X	1.79	1.79	0	%100
90	MP1C	Z	3.1	3.1	0	%100
91	MP2C	X	1.79	1.79	0	%100
92	MP2C	Z	3.1	3.1	0	%100
93	MP3C	X	1.79	1.79	0	%100
94	MP3C	Z	3.1	3.1	0	%100
95	MP4C	X	1.79	1.79	0	%100
96	MP4C	Z	3.1	3.1	0	%100
97	MP1B	X	1.79	1.79	0	%100
98	MP1B	Z	3.1	3.1	0	%100
99	MP2B	X	1.79	1.79	0	%100
100	MP2B	Z	3.1	3.1	0	%100
101	MP3B	X	1.79	1.79	0	%100
102	MP3B	Z	3.1	3.1	0	%100
103	MP4B	X	1.79	1.79	0	%100
104	MP4B	Z	3.1	3.1	0	%100
105	M102	X	1.485	1.485	0	%100
106	M102	Z	2.572	2.572	0	%100
107	M107	X	1.485	1.485	0	%100
108	M107	Z	2.572	2.572	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	1.396	1.396	0	%100
112	M123	Z	2.417	2.417	0	%100
113	M124	X	1.396	1.396	0	%100
114	M124	Z	2.417	2.417	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M1	X	0	0	0	%100
2	M1	Z	4.434	4.434	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.638	3.638	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.58	3.58	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.638	3.638	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.682	5.682	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	1.046	1.046	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1.046	1.046	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.419	1.419	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.419	1.419	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	3.357	3.357	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	.909	.909	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	.909	.909	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	1.42	1.42	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	1.046	1.046	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	4.185	4.185	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	4.193	4.193	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	1.419	1.419	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	4.193	4.193	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	5.674	5.674	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	3.357	3.357	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	.909	.909	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	.909	.909	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	1.42	1.42	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	4.185	4.185	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	1.046	1.046	0	%100
57	M87	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...]
58	M87	Z	4.193	4.193	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	5.674	5.674	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	5.59	5.59	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	4.193	4.193	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	1.419	1.419	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	2.934	2.934	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	5.59	5.59	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	1.398	1.398	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	1.398	1.398	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	1.398	1.398	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	1.398	1.398	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	1.108	1.108	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	1.108	1.108	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	3.58	3.58	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	3.58	3.58	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	3.58	3.58	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	3.58	3.58	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.58	3.58	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	3.58	3.58	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	3.58	3.58	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	3.58	3.58	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.58	3.58	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	3.58	3.58	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.58	3.58	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.99	.99	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	3.96	3.96	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.99	.99	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.93	.93	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.722	3.722	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...
115	M125	X	0	0	0 %100
116	M125	Z	.93	.93	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	M1	X	-1.663	-1.663	0 %100
2	M1	Z	2.88	2.88	0 %100
3	M4	X	-.559	-.559	0 %100
4	M4	Z	.969	.969	0 %100
5	M10	X	-1.364	-1.364	0 %100
6	M10	Z	2.363	2.363	0 %100
7	MP1A	X	-1.79	-1.79	0 %100
8	MP1A	Z	3.1	3.1	0 %100
9	M43	X	-1.364	-1.364	0 %100
10	M43	Z	2.363	2.363	0 %100
11	M46	X	-2.131	-2.131	0 %100
12	M46	Z	3.69	3.69	0 %100
13	M51B	X	-1.569	-1.569	0 %100
14	M51B	Z	2.718	2.718	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	0	0	0 %100
17	M76	X	-.699	-.699	0 %100
18	M76	Z	1.21	1.21	0 %100
19	M77	X	-2.128	-2.128	0 %100
20	M77	Z	3.686	3.686	0 %100
21	M84	X	-.699	-.699	0 %100
22	M84	Z	1.21	1.21	0 %100
23	M85	X	0	0	0 %100
24	M85	Z	0	0	0 %100
25	M52A	X	-.559	-.559	0 %100
26	M52A	Z	.969	.969	0 %100
27	M53	X	-1.364	-1.364	0 %100
28	M53	Z	2.363	2.363	0 %100
29	M54	X	-1.364	-1.364	0 %100
30	M54	Z	2.363	2.363	0 %100
31	M55	X	-2.131	-2.131	0 %100
32	M55	Z	3.69	3.69	0 %100
33	M58A	X	0	0	0 %100
34	M58A	Z	0	0	0 %100
35	M59A	X	-1.569	-1.569	0 %100
36	M59A	Z	2.718	2.718	0 %100
37	M63	X	-.699	-.699	0 %100
38	M63	Z	1.21	1.21	0 %100
39	M64	X	0	0	0 %100
40	M64	Z	0	0	0 %100
41	M68	X	-.699	-.699	0 %100
42	M68	Z	1.21	1.21	0 %100
43	M69	X	-2.128	-2.128	0 %100
44	M69	Z	3.686	3.686	0 %100
45	M76A	X	-2.238	-2.238	0 %100
46	M76A	Z	3.876	3.876	0 %100
47	M77A	X	0	0	0 %100
48	M77A	Z	0	0	0 %100
49	M78	X	0	0	0 %100
50	M78	Z	0	0	0 %100
51	M79A	X	0	0	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...]
52	M79A	Z	0	0	0	%100
53	M82	X	-1.569	-1.569	0	%100
54	M82	Z	2.718	2.718	0	%100
55	M83A	X	-1.569	-1.569	0	%100
56	M83A	Z	2.718	2.718	0	%100
57	M87	X	-2.795	-2.795	0	%100
58	M87	Z	4.841	4.841	0	%100
59	M88A	X	-2.128	-2.128	0	%100
60	M88A	Z	3.686	3.686	0	%100
61	M90	X	-2.096	-2.096	0	%100
62	M90	Z	3.631	3.631	0	%100
63	M92A	X	-2.795	-2.795	0	%100
64	M92A	Z	4.841	4.841	0	%100
65	M93	X	-2.128	-2.128	0	%100
66	M93	Z	3.686	3.686	0	%100
67	OVP	X	-1.467	-1.467	0	%100
68	OVP	Z	2.541	2.541	0	%100
69	M70A	X	-2.096	-2.096	0	%100
70	M70A	Z	3.631	3.631	0	%100
71	M72	X	-2.096	-2.096	0	%100
72	M72	Z	3.631	3.631	0	%100
73	M74A	X	-2.096	-2.096	0	%100
74	M74A	Z	3.631	3.631	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-1.663	-1.663	0	%100
80	M78B	Z	2.88	2.88	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-1.79	-1.79	0	%100
84	MP2A	Z	3.1	3.1	0	%100
85	MP3A	X	-1.79	-1.79	0	%100
86	MP3A	Z	3.1	3.1	0	%100
87	MP4A	X	-1.79	-1.79	0	%100
88	MP4A	Z	3.1	3.1	0	%100
89	MP1C	X	-1.79	-1.79	0	%100
90	MP1C	Z	3.1	3.1	0	%100
91	MP2C	X	-1.79	-1.79	0	%100
92	MP2C	Z	3.1	3.1	0	%100
93	MP3C	X	-1.79	-1.79	0	%100
94	MP3C	Z	3.1	3.1	0	%100
95	MP4C	X	-1.79	-1.79	0	%100
96	MP4C	Z	3.1	3.1	0	%100
97	MP1B	X	-1.79	-1.79	0	%100
98	MP1B	Z	3.1	3.1	0	%100
99	MP2B	X	-1.79	-1.79	0	%100
100	MP2B	Z	3.1	3.1	0	%100
101	MP3B	X	-1.79	-1.79	0	%100
102	MP3B	Z	3.1	3.1	0	%100
103	MP4B	X	-1.79	-1.79	0	%100
104	MP4B	Z	3.1	3.1	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-1.485	-1.485	0	%100
108	M107	Z	2.572	2.572	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...]
109	M112	X	-1.485	-1.485	0	%100
110	M112	Z	2.572	2.572	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.396	-1.396	0	%100
114	M124	Z	2.417	2.417	0	%100
115	M125	X	-1.396	-1.396	0	%100
116	M125	Z	2.417	2.417	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	M1	X	-.96	-.96	0	%100
2	M1	Z	.554	.554	0	%100
3	M4	X	-2.907	-2.907	0	%100
4	M4	Z	1.678	1.678	0	%100
5	M10	X	-.788	-.788	0	%100
6	M10	Z	.455	.455	0	%100
7	MP1A	X	-3.1	-3.1	0	%100
8	MP1A	Z	1.79	1.79	0	%100
9	M43	X	-.788	-.788	0	%100
10	M43	Z	.455	.455	0	%100
11	M46	X	-1.23	-1.23	0	%100
12	M46	Z	.71	.71	0	%100
13	M51B	X	-3.624	-3.624	0	%100
14	M51B	Z	2.092	2.092	0	%100
15	M52B	X	-.906	-.906	0	%100
16	M52B	Z	.523	.523	0	%100
17	M76	X	-3.631	-3.631	0	%100
18	M76	Z	2.096	2.096	0	%100
19	M77	X	-4.914	-4.914	0	%100
20	M77	Z	2.837	2.837	0	%100
21	M84	X	-3.631	-3.631	0	%100
22	M84	Z	2.096	2.096	0	%100
23	M85	X	-1.229	-1.229	0	%100
24	M85	Z	.709	.709	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	-3.151	-3.151	0	%100
28	M53	Z	1.819	1.819	0	%100
29	M54	X	-3.151	-3.151	0	%100
30	M54	Z	1.819	1.819	0	%100
31	M55	X	-4.921	-4.921	0	%100
32	M55	Z	2.841	2.841	0	%100
33	M58A	X	-.906	-.906	0	%100
34	M58A	Z	.523	.523	0	%100
35	M59A	X	-.906	-.906	0	%100
36	M59A	Z	.523	.523	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-1.229	-1.229	0	%100
40	M64	Z	.709	.709	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	-1.229	-1.229	0	%100
44	M69	Z	.709	.709	0	%100
45	M76A	X	-2.907	-2.907	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...]
46	M76A	Z	1.678	1.678	0	%100
47	M77A	X	-.788	-.788	0	%100
48	M77A	Z	.455	.455	0	%100
49	M78	X	-.788	-.788	0	%100
50	M78	Z	.455	.455	0	%100
51	M79A	X	-1.23	-1.23	0	%100
52	M79A	Z	.71	.71	0	%100
53	M82	X	-.906	-.906	0	%100
54	M82	Z	.523	.523	0	%100
55	M83A	X	-3.624	-3.624	0	%100
56	M83A	Z	2.092	2.092	0	%100
57	M87	X	-3.631	-3.631	0	%100
58	M87	Z	2.096	2.096	0	%100
59	M88A	X	-1.229	-1.229	0	%100
60	M88A	Z	.709	.709	0	%100
61	M90	X	-1.21	-1.21	0	%100
62	M90	Z	.699	.699	0	%100
63	M92A	X	-3.631	-3.631	0	%100
64	M92A	Z	2.096	2.096	0	%100
65	M93	X	-4.914	-4.914	0	%100
66	M93	Z	2.837	2.837	0	%100
67	OVP	X	-2.541	-2.541	0	%100
68	OVP	Z	1.467	1.467	0	%100
69	M70A	X	-1.21	-1.21	0	%100
70	M70A	Z	.699	.699	0	%100
71	M72	X	-4.841	-4.841	0	%100
72	M72	Z	2.795	2.795	0	%100
73	M74A	X	-4.841	-4.841	0	%100
74	M74A	Z	2.795	2.795	0	%100
75	M76B	X	-1.21	-1.21	0	%100
76	M76B	Z	.699	.699	0	%100
77	M78A	X	-1.21	-1.21	0	%100
78	M78A	Z	.699	.699	0	%100
79	M78B	X	-3.84	-3.84	0	%100
80	M78B	Z	2.217	2.217	0	%100
81	M79C	X	-.96	-.96	0	%100
82	M79C	Z	.554	.554	0	%100
83	MP2A	X	-3.1	-3.1	0	%100
84	MP2A	Z	1.79	1.79	0	%100
85	MP3A	X	-3.1	-3.1	0	%100
86	MP3A	Z	1.79	1.79	0	%100
87	MP4A	X	-3.1	-3.1	0	%100
88	MP4A	Z	1.79	1.79	0	%100
89	MP1C	X	-3.1	-3.1	0	%100
90	MP1C	Z	1.79	1.79	0	%100
91	MP2C	X	-3.1	-3.1	0	%100
92	MP2C	Z	1.79	1.79	0	%100
93	MP3C	X	-3.1	-3.1	0	%100
94	MP3C	Z	1.79	1.79	0	%100
95	MP4C	X	-3.1	-3.1	0	%100
96	MP4C	Z	1.79	1.79	0	%100
97	MP1B	X	-3.1	-3.1	0	%100
98	MP1B	Z	1.79	1.79	0	%100
99	MP2B	X	-3.1	-3.1	0	%100
100	MP2B	Z	1.79	1.79	0	%100
101	MP3B	X	-3.1	-3.1	0	%100
102	MP3B	Z	1.79	1.79	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...]
103	MP4B	X	-3.1	-3.1	0	%100
104	MP4B	Z	1.79	1.79	0	%100
105	M102	X	-.857	-.857	0	%100
106	M102	Z	.495	.495	0	%100
107	M107	X	-.857	-.857	0	%100
108	M107	Z	.495	.495	0	%100
109	M112	X	-3.429	-3.429	0	%100
110	M112	Z	1.98	1.98	0	%100
111	M123	X	-.806	-.806	0	%100
112	M123	Z	.465	.465	0	%100
113	M124	X	-.806	-.806	0	%100
114	M124	Z	.465	.465	0	%100
115	M125	X	-3.223	-3.223	0	%100
116	M125	Z	1.861	1.861	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.476	-4.476	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-3.58	-3.58	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-3.139	-3.139	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-3.139	-3.139	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-5.59	-5.59	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-4.256	-4.256	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	-5.59	-5.59	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-4.256	-4.256	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	-1.119	-1.119	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	-2.728	-2.728	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	-2.728	-2.728	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	-4.261	-4.261	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-3.139	-3.139	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	-1.398	-1.398	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-4.256	-4.256	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...]
40	M64	Z	0	0	0	%100
41	M68	X	-1.398	-1.398	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	0	0	0	%100
45	M76A	X	-1.119	-1.119	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	-2.728	-2.728	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	-2.728	-2.728	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	-4.261	-4.261	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-3.139	-3.139	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-1.398	-1.398	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	0	0	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	-1.398	-1.398	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-4.256	-4.256	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-2.934	-2.934	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	-4.193	-4.193	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	-4.193	-4.193	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-4.193	-4.193	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	-4.193	-4.193	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-3.325	-3.325	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-3.325	-3.325	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-3.58	-3.58	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	-3.58	-3.58	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-3.58	-3.58	0	%100
88	MP4A	Z	0	0	0	%100
89	MP1C	X	-3.58	-3.58	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-3.58	-3.58	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-3.58	-3.58	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-3.58	-3.58	0	%100
96	MP4C	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...
97	MP1B	X	-3.58	-3.58	0 %100
98	MP1B	Z	0	0	0 %100
99	MP2B	X	-3.58	-3.58	0 %100
100	MP2B	Z	0	0	0 %100
101	MP3B	X	-3.58	-3.58	0 %100
102	MP3B	Z	0	0	0 %100
103	MP4B	X	-3.58	-3.58	0 %100
104	MP4B	Z	0	0	0 %100
105	M102	X	-2.97	-2.97	0 %100
106	M102	Z	0	0	0 %100
107	M107	X	0	0	0 %100
108	M107	Z	0	0	0 %100
109	M112	X	-2.97	-2.97	0 %100
110	M112	Z	0	0	0 %100
111	M123	X	-2.791	-2.791	0 %100
112	M123	Z	0	0	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	0	0	0 %100
115	M125	X	-2.791	-2.791	0 %100
116	M125	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	M1	X	-.96	-.96	0 %100
2	M1	Z	-.554	-.554	0 %100
3	M4	X	-2.907	-2.907	0 %100
4	M4	Z	-1.678	-1.678	0 %100
5	M10	X	-.788	-.788	0 %100
6	M10	Z	-.455	-.455	0 %100
7	MP1A	X	-3.1	-3.1	0 %100
8	MP1A	Z	-1.79	-1.79	0 %100
9	M43	X	-.788	-.788	0 %100
10	M43	Z	-.455	-.455	0 %100
11	M46	X	-1.23	-1.23	0 %100
12	M46	Z	-.71	-.71	0 %100
13	M51B	X	-.906	-.906	0 %100
14	M51B	Z	-.523	-.523	0 %100
15	M52B	X	-3.624	-3.624	0 %100
16	M52B	Z	-2.092	-2.092	0 %100
17	M76	X	-3.631	-3.631	0 %100
18	M76	Z	-2.096	-2.096	0 %100
19	M77	X	-1.229	-1.229	0 %100
20	M77	Z	-.709	-.709	0 %100
21	M84	X	-3.631	-3.631	0 %100
22	M84	Z	-2.096	-2.096	0 %100
23	M85	X	-4.914	-4.914	0 %100
24	M85	Z	-2.837	-2.837	0 %100
25	M52A	X	-2.907	-2.907	0 %100
26	M52A	Z	-1.678	-1.678	0 %100
27	M53	X	-.788	-.788	0 %100
28	M53	Z	-.455	-.455	0 %100
29	M54	X	-.788	-.788	0 %100
30	M54	Z	-.455	-.455	0 %100
31	M55	X	-1.23	-1.23	0 %100
32	M55	Z	-.71	-.71	0 %100
33	M58A	X	-3.624	-3.624	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...]
34	M58A	Z	-2.092	-2.092	0	%100
35	M59A	X	-.906	-.906	0	%100
36	M59A	Z	-.523	-.523	0	%100
37	M63	X	-3.631	-3.631	0	%100
38	M63	Z	-2.096	-2.096	0	%100
39	M64	X	-4.914	-4.914	0	%100
40	M64	Z	-2.837	-2.837	0	%100
41	M68	X	-3.631	-3.631	0	%100
42	M68	Z	-2.096	-2.096	0	%100
43	M69	X	-1.229	-1.229	0	%100
44	M69	Z	-.709	-.709	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	-3.151	-3.151	0	%100
48	M77A	Z	-1.819	-1.819	0	%100
49	M78	X	-3.151	-3.151	0	%100
50	M78	Z	-1.819	-1.819	0	%100
51	M79A	X	-4.921	-4.921	0	%100
52	M79A	Z	-2.841	-2.841	0	%100
53	M82	X	-.906	-.906	0	%100
54	M82	Z	-.523	-.523	0	%100
55	M83A	X	-.906	-.906	0	%100
56	M83A	Z	-.523	-.523	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	-1.229	-1.229	0	%100
60	M88A	Z	-.709	-.709	0	%100
61	M90	X	-1.21	-1.21	0	%100
62	M90	Z	-.699	-.699	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-1.229	-1.229	0	%100
66	M93	Z	-.709	-.709	0	%100
67	OVP	X	-2.541	-2.541	0	%100
68	OVP	Z	-1.467	-1.467	0	%100
69	M70A	X	-1.21	-1.21	0	%100
70	M70A	Z	-.699	-.699	0	%100
71	M72	X	-1.21	-1.21	0	%100
72	M72	Z	-.699	-.699	0	%100
73	M74A	X	-1.21	-1.21	0	%100
74	M74A	Z	-.699	-.699	0	%100
75	M76B	X	-4.841	-4.841	0	%100
76	M76B	Z	-2.795	-2.795	0	%100
77	M78A	X	-4.841	-4.841	0	%100
78	M78A	Z	-2.795	-2.795	0	%100
79	M78B	X	-.96	-.96	0	%100
80	M78B	Z	-.554	-.554	0	%100
81	M79C	X	-3.84	-3.84	0	%100
82	M79C	Z	-2.217	-2.217	0	%100
83	MP2A	X	-3.1	-3.1	0	%100
84	MP2A	Z	-1.79	-1.79	0	%100
85	MP3A	X	-3.1	-3.1	0	%100
86	MP3A	Z	-1.79	-1.79	0	%100
87	MP4A	X	-3.1	-3.1	0	%100
88	MP4A	Z	-1.79	-1.79	0	%100
89	MP1C	X	-3.1	-3.1	0	%100
90	MP1C	Z	-1.79	-1.79	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...
91	MP2C	X	-3.1	-3.1	0 %100
92	MP2C	Z	-1.79	-1.79	0 %100
93	MP3C	X	-3.1	-3.1	0 %100
94	MP3C	Z	-1.79	-1.79	0 %100
95	MP4C	X	-3.1	-3.1	0 %100
96	MP4C	Z	-1.79	-1.79	0 %100
97	MP1B	X	-3.1	-3.1	0 %100
98	MP1B	Z	-1.79	-1.79	0 %100
99	MP2B	X	-3.1	-3.1	0 %100
100	MP2B	Z	-1.79	-1.79	0 %100
101	MP3B	X	-3.1	-3.1	0 %100
102	MP3B	Z	-1.79	-1.79	0 %100
103	MP4B	X	-3.1	-3.1	0 %100
104	MP4B	Z	-1.79	-1.79	0 %100
105	M102	X	-3.429	-3.429	0 %100
106	M102	Z	-1.98	-1.98	0 %100
107	M107	X	-857	-857	0 %100
108	M107	Z	-495	-495	0 %100
109	M112	X	-857	-857	0 %100
110	M112	Z	-495	-495	0 %100
111	M123	X	-3.223	-3.223	0 %100
112	M123	Z	-1.861	-1.861	0 %100
113	M124	X	-806	-806	0 %100
114	M124	Z	-465	-465	0 %100
115	M125	X	-806	-806	0 %100
116	M125	Z	-465	-465	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	M1	X	-1.663	-1.663	0 %100
2	M1	Z	-2.88	-2.88	0 %100
3	M4	X	-559	-559	0 %100
4	M4	Z	-969	-969	0 %100
5	M10	X	-1.364	-1.364	0 %100
6	M10	Z	-2.363	-2.363	0 %100
7	MP1A	X	-1.79	-1.79	0 %100
8	MP1A	Z	-3.1	-3.1	0 %100
9	M43	X	-1.364	-1.364	0 %100
10	M43	Z	-2.363	-2.363	0 %100
11	M46	X	-2.131	-2.131	0 %100
12	M46	Z	-3.69	-3.69	0 %100
13	M51B	X	0	0	0 %100
14	M51B	Z	0	0	0 %100
15	M52B	X	-1.569	-1.569	0 %100
16	M52B	Z	-2.718	-2.718	0 %100
17	M76	X	-699	-699	0 %100
18	M76	Z	-1.21	-1.21	0 %100
19	M77	X	0	0	0 %100
20	M77	Z	0	0	0 %100
21	M84	X	-699	-699	0 %100
22	M84	Z	-1.21	-1.21	0 %100
23	M85	X	-2.128	-2.128	0 %100
24	M85	Z	-3.686	-3.686	0 %100
25	M52A	X	-2.238	-2.238	0 %100
26	M52A	Z	-3.876	-3.876	0 %100
27	M53	X	0	0	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...]
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-1.569	-1.569	0	%100
34	M58A	Z	-2.718	-2.718	0	%100
35	M59A	X	-1.569	-1.569	0	%100
36	M59A	Z	-2.718	-2.718	0	%100
37	M63	X	-2.795	-2.795	0	%100
38	M63	Z	-4.841	-4.841	0	%100
39	M64	X	-2.128	-2.128	0	%100
40	M64	Z	-3.686	-3.686	0	%100
41	M68	X	-2.795	-2.795	0	%100
42	M68	Z	-4.841	-4.841	0	%100
43	M69	X	-2.128	-2.128	0	%100
44	M69	Z	-3.686	-3.686	0	%100
45	M76A	X	-5.559	-5.559	0	%100
46	M76A	Z	-9.969	-9.969	0	%100
47	M77A	X	-1.364	-1.364	0	%100
48	M77A	Z	-2.363	-2.363	0	%100
49	M78	X	-1.364	-1.364	0	%100
50	M78	Z	-2.363	-2.363	0	%100
51	M79A	X	-2.131	-2.131	0	%100
52	M79A	Z	-3.69	-3.69	0	%100
53	M82	X	-1.569	-1.569	0	%100
54	M82	Z	-2.718	-2.718	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-6.999	-6.999	0	%100
58	M87	Z	-1.21	-1.21	0	%100
59	M88A	X	-2.128	-2.128	0	%100
60	M88A	Z	-3.686	-3.686	0	%100
61	M90	X	-2.096	-2.096	0	%100
62	M90	Z	-3.631	-3.631	0	%100
63	M92A	X	-6.999	-6.999	0	%100
64	M92A	Z	-1.21	-1.21	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-1.467	-1.467	0	%100
68	OVP	Z	-2.541	-2.541	0	%100
69	M70A	X	-2.096	-2.096	0	%100
70	M70A	Z	-3.631	-3.631	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-2.096	-2.096	0	%100
76	M76B	Z	-3.631	-3.631	0	%100
77	M78A	X	-2.096	-2.096	0	%100
78	M78A	Z	-3.631	-3.631	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-1.663	-1.663	0	%100
82	M79C	Z	-2.88	-2.88	0	%100
83	MP2A	X	-1.79	-1.79	0	%100
84	MP2A	Z	-3.1	-3.1	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...
85	MP3A	X	-1.79	-1.79	0 %100
86	MP3A	Z	-3.1	-3.1	0 %100
87	MP4A	X	-1.79	-1.79	0 %100
88	MP4A	Z	-3.1	-3.1	0 %100
89	MP1C	X	-1.79	-1.79	0 %100
90	MP1C	Z	-3.1	-3.1	0 %100
91	MP2C	X	-1.79	-1.79	0 %100
92	MP2C	Z	-3.1	-3.1	0 %100
93	MP3C	X	-1.79	-1.79	0 %100
94	MP3C	Z	-3.1	-3.1	0 %100
95	MP4C	X	-1.79	-1.79	0 %100
96	MP4C	Z	-3.1	-3.1	0 %100
97	MP1B	X	-1.79	-1.79	0 %100
98	MP1B	Z	-3.1	-3.1	0 %100
99	MP2B	X	-1.79	-1.79	0 %100
100	MP2B	Z	-3.1	-3.1	0 %100
101	MP3B	X	-1.79	-1.79	0 %100
102	MP3B	Z	-3.1	-3.1	0 %100
103	MP4B	X	-1.79	-1.79	0 %100
104	MP4B	Z	-3.1	-3.1	0 %100
105	M102	X	-1.485	-1.485	0 %100
106	M102	Z	-2.572	-2.572	0 %100
107	M107	X	-1.485	-1.485	0 %100
108	M107	Z	-2.572	-2.572	0 %100
109	M112	X	0	0	0 %100
110	M112	Z	0	0	0 %100
111	M123	X	-1.396	-1.396	0 %100
112	M123	Z	-2.417	-2.417	0 %100
113	M124	X	-1.396	-1.396	0 %100
114	M124	Z	-2.417	-2.417	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	0	0	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	M1	X	0	0	0 %100
2	M1	Z	-0.862	-0.862	0 %100
3	M4	X	0	0	0 %100
4	M4	Z	0	0	0 %100
5	M10	X	0	0	0 %100
6	M10	Z	-0.822	-0.822	0 %100
7	MP1A	X	0	0	0 %100
8	MP1A	Z	-0.649	-0.649	0 %100
9	M43	X	0	0	0 %100
10	M43	Z	-0.822	-0.822	0 %100
11	M46	X	0	0	0 %100
12	M46	Z	-1.639	-1.639	0 %100
13	M51B	X	0	0	0 %100
14	M51B	Z	-0.228	-0.228	0 %100
15	M52B	X	0	0	0 %100
16	M52B	Z	-0.228	-0.228	0 %100
17	M76	X	0	0	0 %100
18	M76	Z	0	0	0 %100
19	M77	X	0	0	0 %100
20	M77	Z	-0.417	-0.417	0 %100
21	M84	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...]
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-.417	-.417	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	-.728	-.728	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	-.205	-.205	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	-.205	-.205	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	-.41	-.41	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	-.228	-.228	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-.91	-.91	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-1.229	-1.229	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-.417	-.417	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	-1.229	-1.229	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	-1.669	-1.669	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	-.728	-.728	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	-.205	-.205	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-.205	-.205	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	-.41	-.41	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	-.91	-.91	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	-.228	-.228	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	-1.229	-1.229	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	-1.669	-1.669	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	-1.639	-1.639	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	-1.229	-1.229	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-.417	-.417	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	-.531	-.531	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	-1.639	-1.639	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	-.41	-.41	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	-.41	-.41	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	-.41	-.41	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	-.41	-.41	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...
79	M78B	X	0	0	0 %100
80	M78B	Z	-.215	-.215	0 %100
81	M79C	X	0	0	0 %100
82	M79C	Z	-.215	-.215	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	-.649	-.649	0 %100
85	MP3A	X	0	0	0 %100
86	MP3A	Z	-.649	-.649	0 %100
87	MP4A	X	0	0	0 %100
88	MP4A	Z	-.649	-.649	0 %100
89	MP1C	X	0	0	0 %100
90	MP1C	Z	-.649	-.649	0 %100
91	MP2C	X	0	0	0 %100
92	MP2C	Z	-.649	-.649	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	-.649	-.649	0 %100
95	MP4C	X	0	0	0 %100
96	MP4C	Z	-.649	-.649	0 %100
97	MP1B	X	0	0	0 %100
98	MP1B	Z	-.649	-.649	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	-.649	-.649	0 %100
101	MP3B	X	0	0	0 %100
102	MP3B	Z	-.649	-.649	0 %100
103	MP4B	X	0	0	0 %100
104	MP4B	Z	-.649	-.649	0 %100
105	M102	X	0	0	0 %100
106	M102	Z	-.196	-.196	0 %100
107	M107	X	0	0	0 %100
108	M107	Z	-.785	-.785	0 %100
109	M112	X	0	0	0 %100
110	M112	Z	-.196	-.196	0 %100
111	M123	X	0	0	0 %100
112	M123	Z	-.228	-.228	0 %100
113	M124	X	0	0	0 %100
114	M124	Z	-.912	-.912	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	-.228	-.228	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	M1	X	.323	.323	0 %100
2	M1	Z	-.56	-.56	0 %100
3	M4	X	.121	.121	0 %100
4	M4	Z	-.21	-.21	0 %100
5	M10	X	.308	.308	0 %100
6	M10	Z	-.534	-.534	0 %100
7	MP1A	X	.324	.324	0 %100
8	MP1A	Z	-.562	-.562	0 %100
9	M43	X	.308	.308	0 %100
10	M43	Z	-.534	-.534	0 %100
11	M46	X	.615	.615	0 %100
12	M46	Z	-1.065	-1.065	0 %100
13	M51B	X	.341	.341	0 %100
14	M51B	Z	-.591	-.591	0 %100
15	M52B	X	0	0	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...
16	M52B	Z	0	0	0	%100
17	M76	X	.205	.205	0	%100
18	M76	Z	-.355	-.355	0	%100
19	M77	X	.626	.626	0	%100
20	M77	Z	-1.084	-1.084	0	%100
21	M84	X	.205	.205	0	%100
22	M84	Z	-.355	-.355	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	.121	.121	0	%100
26	M52A	Z	-.21	-.21	0	%100
27	M53	X	.308	.308	0	%100
28	M53	Z	-.534	-.534	0	%100
29	M54	X	.308	.308	0	%100
30	M54	Z	-.534	-.534	0	%100
31	M55	X	.615	.615	0	%100
32	M55	Z	-1.065	-1.065	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	.341	.341	0	%100
36	M59A	Z	-.591	-.591	0	%100
37	M63	X	.205	.205	0	%100
38	M63	Z	-.355	-.355	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	.205	.205	0	%100
42	M68	Z	-.355	-.355	0	%100
43	M69	X	.626	.626	0	%100
44	M69	Z	-1.084	-1.084	0	%100
45	M76A	X	.486	.486	0	%100
46	M76A	Z	-.841	-.841	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	.341	.341	0	%100
54	M82	Z	-.591	-.591	0	%100
55	M83A	X	.341	.341	0	%100
56	M83A	Z	-.591	-.591	0	%100
57	M87	X	.82	.82	0	%100
58	M87	Z	-1.42	-1.42	0	%100
59	M88A	X	.626	.626	0	%100
60	M88A	Z	-1.084	-1.084	0	%100
61	M90	X	.615	.615	0	%100
62	M90	Z	-1.065	-1.065	0	%100
63	M92A	X	.82	.82	0	%100
64	M92A	Z	-1.42	-1.42	0	%100
65	M93	X	.626	.626	0	%100
66	M93	Z	-1.084	-1.084	0	%100
67	OVP	X	.265	.265	0	%100
68	OVP	Z	-.459	-.459	0	%100
69	M70A	X	.615	.615	0	%100
70	M70A	Z	-1.065	-1.065	0	%100
71	M72	X	.615	.615	0	%100
72	M72	Z	-1.065	-1.065	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...
73	M74A	X	.615	.615	0 %100
74	M74A	Z	-1.065	-1.065	0 %100
75	M76B	X	0	0	0 %100
76	M76B	Z	0	0	0 %100
77	M78A	X	0	0	0 %100
78	M78A	Z	0	0	0 %100
79	M78B	X	.323	.323	0 %100
80	M78B	Z	-.56	-.56	0 %100
81	M79C	X	0	0	0 %100
82	M79C	Z	0	0	0 %100
83	MP2A	X	.324	.324	0 %100
84	MP2A	Z	-.562	-.562	0 %100
85	MP3A	X	.324	.324	0 %100
86	MP3A	Z	-.562	-.562	0 %100
87	MP4A	X	.324	.324	0 %100
88	MP4A	Z	-.562	-.562	0 %100
89	MP1C	X	.324	.324	0 %100
90	MP1C	Z	-.562	-.562	0 %100
91	MP2C	X	.324	.324	0 %100
92	MP2C	Z	-.562	-.562	0 %100
93	MP3C	X	.324	.324	0 %100
94	MP3C	Z	-.562	-.562	0 %100
95	MP4C	X	.324	.324	0 %100
96	MP4C	Z	-.562	-.562	0 %100
97	MP1B	X	.324	.324	0 %100
98	MP1B	Z	-.562	-.562	0 %100
99	MP2B	X	.324	.324	0 %100
100	MP2B	Z	-.562	-.562	0 %100
101	MP3B	X	.324	.324	0 %100
102	MP3B	Z	-.562	-.562	0 %100
103	MP4B	X	.324	.324	0 %100
104	MP4B	Z	-.562	-.562	0 %100
105	M102	X	0	0	0 %100
106	M102	Z	0	0	0 %100
107	M107	X	.295	.295	0 %100
108	M107	Z	-.51	-.51	0 %100
109	M112	X	.295	.295	0 %100
110	M112	Z	-.51	-.51	0 %100
111	M123	X	0	0	0 %100
112	M123	Z	0	0	0 %100
113	M124	X	.342	.342	0 %100
114	M124	Z	-.592	-.592	0 %100
115	M125	X	.342	.342	0 %100
116	M125	Z	-.592	-.592	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	M1	X	.187	.187	0 %100
2	M1	Z	-.108	-.108	0 %100
3	M4	X	.631	.631	0 %100
4	M4	Z	-.364	-.364	0 %100
5	M10	X	.178	.178	0 %100
6	M10	Z	-.103	-.103	0 %100
7	MP1A	X	.562	.562	0 %100
8	MP1A	Z	-.324	-.324	0 %100
9	M43	X	.178	.178	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...]
10	M43	Z	-.103	-.103	0	%100
11	M46	X	.355	.355	0	%100
12	M46	Z	-.205	-.205	0	%100
13	M51B	X	.788	.788	0	%100
14	M51B	Z	-.455	-.455	0	%100
15	M52B	X	.197	.197	0	%100
16	M52B	Z	-.114	-.114	0	%100
17	M76	X	1.065	1.065	0	%100
18	M76	Z	-.615	-.615	0	%100
19	M77	X	1.446	1.446	0	%100
20	M77	Z	-.835	-.835	0	%100
21	M84	X	1.065	1.065	0	%100
22	M84	Z	-.615	-.615	0	%100
23	M85	X	.361	.361	0	%100
24	M85	Z	-.209	-.209	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	.712	.712	0	%100
28	M53	Z	-.411	-.411	0	%100
29	M54	X	.712	.712	0	%100
30	M54	Z	-.411	-.411	0	%100
31	M55	X	1.42	1.42	0	%100
32	M55	Z	-.82	-.82	0	%100
33	M58A	X	.197	.197	0	%100
34	M58A	Z	-.114	-.114	0	%100
35	M59A	X	.197	.197	0	%100
36	M59A	Z	-.114	-.114	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	.361	.361	0	%100
40	M64	Z	-.209	-.209	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	.361	.361	0	%100
44	M69	Z	-.209	-.209	0	%100
45	M76A	X	.631	.631	0	%100
46	M76A	Z	-.364	-.364	0	%100
47	M77A	X	.178	.178	0	%100
48	M77A	Z	-.103	-.103	0	%100
49	M78	X	.178	.178	0	%100
50	M78	Z	-.103	-.103	0	%100
51	M79A	X	.355	.355	0	%100
52	M79A	Z	-.205	-.205	0	%100
53	M82	X	.197	.197	0	%100
54	M82	Z	-.114	-.114	0	%100
55	M83A	X	.788	.788	0	%100
56	M83A	Z	-.455	-.455	0	%100
57	M87	X	1.065	1.065	0	%100
58	M87	Z	-.615	-.615	0	%100
59	M88A	X	.361	.361	0	%100
60	M88A	Z	-.209	-.209	0	%100
61	M90	X	.355	.355	0	%100
62	M90	Z	-.205	-.205	0	%100
63	M92A	X	1.065	1.065	0	%100
64	M92A	Z	-.615	-.615	0	%100
65	M93	X	1.446	1.446	0	%100
66	M93	Z	-.835	-.835	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...
67	OVP	X	.459	.459	0	%100
68	OVP	Z	-.265	-.265	0	%100
69	M70A	X	.355	.355	0	%100
70	M70A	Z	-.205	-.205	0	%100
71	M72	X	1.42	1.42	0	%100
72	M72	Z	-.82	-.82	0	%100
73	M74A	X	1.42	1.42	0	%100
74	M74A	Z	-.82	-.82	0	%100
75	M76B	X	.355	.355	0	%100
76	M76B	Z	-.205	-.205	0	%100
77	M78A	X	.355	.355	0	%100
78	M78A	Z	-.205	-.205	0	%100
79	M78B	X	.746	.746	0	%100
80	M78B	Z	-.431	-.431	0	%100
81	M79C	X	.187	.187	0	%100
82	M79C	Z	-.108	-.108	0	%100
83	MP2A	X	.562	.562	0	%100
84	MP2A	Z	-.324	-.324	0	%100
85	MP3A	X	.562	.562	0	%100
86	MP3A	Z	-.324	-.324	0	%100
87	MP4A	X	.562	.562	0	%100
88	MP4A	Z	-.324	-.324	0	%100
89	MP1C	X	.562	.562	0	%100
90	MP1C	Z	-.324	-.324	0	%100
91	MP2C	X	.562	.562	0	%100
92	MP2C	Z	-.324	-.324	0	%100
93	MP3C	X	.562	.562	0	%100
94	MP3C	Z	-.324	-.324	0	%100
95	MP4C	X	.562	.562	0	%100
96	MP4C	Z	-.324	-.324	0	%100
97	MP1B	X	.562	.562	0	%100
98	MP1B	Z	-.324	-.324	0	%100
99	MP2B	X	.562	.562	0	%100
100	MP2B	Z	-.324	-.324	0	%100
101	MP3B	X	.562	.562	0	%100
102	MP3B	Z	-.324	-.324	0	%100
103	MP4B	X	.562	.562	0	%100
104	MP4B	Z	-.324	-.324	0	%100
105	M102	X	.17	.17	0	%100
106	M102	Z	-.098	-.098	0	%100
107	M107	X	.17	.17	0	%100
108	M107	Z	-.098	-.098	0	%100
109	M112	X	.68	.68	0	%100
110	M112	Z	-.393	-.393	0	%100
111	M123	X	.197	.197	0	%100
112	M123	Z	-.114	-.114	0	%100
113	M124	X	.197	.197	0	%100
114	M124	Z	-.114	-.114	0	%100
115	M125	X	.79	.79	0	%100
116	M125	Z	-.456	-.456	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.971	.971	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...]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	.649	.649	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.683	.683	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.683	.683	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.639	1.639	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	1.252	1.252	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	1.639	1.639	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	1.252	1.252	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	.243	.243	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	.616	.616	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	.616	.616	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	1.229	1.229	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	.683	.683	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	.41	.41	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	1.252	1.252	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	.41	.41	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	0	0	0	%100
45	M76A	X	.243	.243	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	.616	.616	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	.616	.616	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	1.229	1.229	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	.683	.683	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	.41	.41	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	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...
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	.41	.41	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	1.252	1.252	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	.531	.531	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	1.229	1.229	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	1.229	1.229	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	1.229	1.229	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	1.229	1.229	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	.646	.646	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	.646	.646	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	.649	.649	0	%100
84	MP2A	Z	0	0	0	%100
85	MP3A	X	.649	.649	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	.649	.649	0	%100
88	MP4A	Z	0	0	0	%100
89	MP1C	X	.649	.649	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	.649	.649	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	.649	.649	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	.649	.649	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	.649	.649	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	.649	.649	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	.649	.649	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	.649	.649	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	.589	.589	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.589	.589	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.684	.684	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.684	.684	0	%100
116	M125	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	M1	X	.187	.187	0	%100
2	M1	Z	.108	.108	0	%100
3	M4	X	.631	.631	0	%100
4	M4	Z	.364	.364	0	%100
5	M10	X	.178	.178	0	%100
6	M10	Z	.103	.103	0	%100
7	MP1A	X	.562	.562	0	%100
8	MP1A	Z	.324	.324	0	%100
9	M43	X	.178	.178	0	%100
10	M43	Z	.103	.103	0	%100
11	M46	X	.355	.355	0	%100
12	M46	Z	.205	.205	0	%100
13	M51B	X	.197	.197	0	%100
14	M51B	Z	.114	.114	0	%100
15	M52B	X	.788	.788	0	%100
16	M52B	Z	.455	.455	0	%100
17	M76	X	1.065	1.065	0	%100
18	M76	Z	.615	.615	0	%100
19	M77	X	.361	.361	0	%100
20	M77	Z	.209	.209	0	%100
21	M84	X	1.065	1.065	0	%100
22	M84	Z	.615	.615	0	%100
23	M85	X	1.446	1.446	0	%100
24	M85	Z	.835	.835	0	%100
25	M52A	X	.631	.631	0	%100
26	M52A	Z	.364	.364	0	%100
27	M53	X	.178	.178	0	%100
28	M53	Z	.103	.103	0	%100
29	M54	X	.178	.178	0	%100
30	M54	Z	.103	.103	0	%100
31	M55	X	.355	.355	0	%100
32	M55	Z	.205	.205	0	%100
33	M58A	X	.788	.788	0	%100
34	M58A	Z	.455	.455	0	%100
35	M59A	X	.197	.197	0	%100
36	M59A	Z	.114	.114	0	%100
37	M63	X	1.065	1.065	0	%100
38	M63	Z	.615	.615	0	%100
39	M64	X	1.446	1.446	0	%100
40	M64	Z	.835	.835	0	%100
41	M68	X	1.065	1.065	0	%100
42	M68	Z	.615	.615	0	%100
43	M69	X	.361	.361	0	%100
44	M69	Z	.209	.209	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	.712	.712	0	%100
48	M77A	Z	.411	.411	0	%100
49	M78	X	.712	.712	0	%100
50	M78	Z	.411	.411	0	%100
51	M79A	X	1.42	1.42	0	%100
52	M79A	Z	.82	.82	0	%100
53	M82	X	.197	.197	0	%100
54	M82	Z	.114	.114	0	%100
55	M83A	X	.197	.197	0	%100
56	M83A	Z	.114	.114	0	%100
57	M87	X	0	0	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...]
58	M87	Z	0	0	0	%100
59	M88A	X	.361	.361	0	%100
60	M88A	Z	.209	.209	0	%100
61	M90	X	.355	.355	0	%100
62	M90	Z	.205	.205	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	.361	.361	0	%100
66	M93	Z	.209	.209	0	%100
67	OVP	X	.459	.459	0	%100
68	OVP	Z	.265	.265	0	%100
69	M70A	X	.355	.355	0	%100
70	M70A	Z	.205	.205	0	%100
71	M72	X	.355	.355	0	%100
72	M72	Z	.205	.205	0	%100
73	M74A	X	.355	.355	0	%100
74	M74A	Z	.205	.205	0	%100
75	M76B	X	1.42	1.42	0	%100
76	M76B	Z	.82	.82	0	%100
77	M78A	X	1.42	1.42	0	%100
78	M78A	Z	.82	.82	0	%100
79	M78B	X	.187	.187	0	%100
80	M78B	Z	.108	.108	0	%100
81	M79C	X	.746	.746	0	%100
82	M79C	Z	.431	.431	0	%100
83	MP2A	X	.562	.562	0	%100
84	MP2A	Z	.324	.324	0	%100
85	MP3A	X	.562	.562	0	%100
86	MP3A	Z	.324	.324	0	%100
87	MP4A	X	.562	.562	0	%100
88	MP4A	Z	.324	.324	0	%100
89	MP1C	X	.562	.562	0	%100
90	MP1C	Z	.324	.324	0	%100
91	MP2C	X	.562	.562	0	%100
92	MP2C	Z	.324	.324	0	%100
93	MP3C	X	.562	.562	0	%100
94	MP3C	Z	.324	.324	0	%100
95	MP4C	X	.562	.562	0	%100
96	MP4C	Z	.324	.324	0	%100
97	MP1B	X	.562	.562	0	%100
98	MP1B	Z	.324	.324	0	%100
99	MP2B	X	.562	.562	0	%100
100	MP2B	Z	.324	.324	0	%100
101	MP3B	X	.562	.562	0	%100
102	MP3B	Z	.324	.324	0	%100
103	MP4B	X	.562	.562	0	%100
104	MP4B	Z	.324	.324	0	%100
105	M102	X	.68	.68	0	%100
106	M102	Z	.393	.393	0	%100
107	M107	X	.17	.17	0	%100
108	M107	Z	.098	.098	0	%100
109	M112	X	.17	.17	0	%100
110	M112	Z	.098	.098	0	%100
111	M123	X	.79	.79	0	%100
112	M123	Z	.456	.456	0	%100
113	M124	X	.197	.197	0	%100
114	M124	Z	.114	.114	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...]
115	M125	X	.197	.197	0	%100
116	M125	Z	.114	.114	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	M1	X	.323	.323	0	%100
2	M1	Z	.56	.56	0	%100
3	M4	X	.121	.121	0	%100
4	M4	Z	.21	.21	0	%100
5	M10	X	.308	.308	0	%100
6	M10	Z	.534	.534	0	%100
7	MP1A	X	.324	.324	0	%100
8	MP1A	Z	.562	.562	0	%100
9	M43	X	.308	.308	0	%100
10	M43	Z	.534	.534	0	%100
11	M46	X	.615	.615	0	%100
12	M46	Z	1.065	1.065	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.341	.341	0	%100
16	M52B	Z	.591	.591	0	%100
17	M76	X	.205	.205	0	%100
18	M76	Z	.355	.355	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	.205	.205	0	%100
22	M84	Z	.355	.355	0	%100
23	M85	X	.626	.626	0	%100
24	M85	Z	1.084	1.084	0	%100
25	M52A	X	.486	.486	0	%100
26	M52A	Z	.841	.841	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	.341	.341	0	%100
34	M58A	Z	.591	.591	0	%100
35	M59A	X	.341	.341	0	%100
36	M59A	Z	.591	.591	0	%100
37	M63	X	.82	.82	0	%100
38	M63	Z	1.42	1.42	0	%100
39	M64	X	.626	.626	0	%100
40	M64	Z	1.084	1.084	0	%100
41	M68	X	.82	.82	0	%100
42	M68	Z	1.42	1.42	0	%100
43	M69	X	.626	.626	0	%100
44	M69	Z	1.084	1.084	0	%100
45	M76A	X	.121	.121	0	%100
46	M76A	Z	.21	.21	0	%100
47	M77A	X	.308	.308	0	%100
48	M77A	Z	.534	.534	0	%100
49	M78	X	.308	.308	0	%100
50	M78	Z	.534	.534	0	%100
51	M79A	X	.615	.615	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...]
52	M79A	Z	1.065	1.065	0	%100
53	M82	X	.341	.341	0	%100
54	M82	Z	.591	.591	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	.205	.205	0	%100
58	M87	Z	.355	.355	0	%100
59	M88A	X	.626	.626	0	%100
60	M88A	Z	1.084	1.084	0	%100
61	M90	X	.615	.615	0	%100
62	M90	Z	1.065	1.065	0	%100
63	M92A	X	.205	.205	0	%100
64	M92A	Z	.355	.355	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	.265	.265	0	%100
68	OVP	Z	.459	.459	0	%100
69	M70A	X	.615	.615	0	%100
70	M70A	Z	1.065	1.065	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	.615	.615	0	%100
76	M76B	Z	1.065	1.065	0	%100
77	M78A	X	.615	.615	0	%100
78	M78A	Z	1.065	1.065	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	.323	.323	0	%100
82	M79C	Z	.56	.56	0	%100
83	MP2A	X	.324	.324	0	%100
84	MP2A	Z	.562	.562	0	%100
85	MP3A	X	.324	.324	0	%100
86	MP3A	Z	.562	.562	0	%100
87	MP4A	X	.324	.324	0	%100
88	MP4A	Z	.562	.562	0	%100
89	MP1C	X	.324	.324	0	%100
90	MP1C	Z	.562	.562	0	%100
91	MP2C	X	.324	.324	0	%100
92	MP2C	Z	.562	.562	0	%100
93	MP3C	X	.324	.324	0	%100
94	MP3C	Z	.562	.562	0	%100
95	MP4C	X	.324	.324	0	%100
96	MP4C	Z	.562	.562	0	%100
97	MP1B	X	.324	.324	0	%100
98	MP1B	Z	.562	.562	0	%100
99	MP2B	X	.324	.324	0	%100
100	MP2B	Z	.562	.562	0	%100
101	MP3B	X	.324	.324	0	%100
102	MP3B	Z	.562	.562	0	%100
103	MP4B	X	.324	.324	0	%100
104	MP4B	Z	.562	.562	0	%100
105	M102	X	.295	.295	0	%100
106	M102	Z	.51	.51	0	%100
107	M107	X	.295	.295	0	%100
108	M107	Z	.51	.51	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...]
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.342	.342	0	%100
112	M123	Z	.592	.592	0	%100
113	M124	X	.342	.342	0	%100
114	M124	Z	.592	.592	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M1	X	0	0	0	%100
2	M1	Z	.862	.862	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.822	.822	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.649	.649	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.822	.822	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	1.639	1.639	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.228	.228	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.228	.228	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	.417	.417	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	.417	.417	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	.728	.728	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	.205	.205	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	.205	.205	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	.41	.41	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	.228	.228	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	.91	.91	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	1.229	1.229	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	.417	.417	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	1.229	1.229	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	1.669	1.669	0	%100
45	M76A	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...]
46	M76A	Z	.728	.728	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	.205	.205	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	.205	.205	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	.41	.41	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	.91	.91	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	.228	.228	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	1.229	1.229	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	1.669	1.669	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	1.639	1.639	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	1.229	1.229	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	.417	.417	0	%100
67	OVP	X	0	0	0	%100
68	OVP	Z	.531	.531	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	1.639	1.639	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	.41	.41	0	%100
73	M74A	X	0	0	0	%100
74	M74A	Z	.41	.41	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	.41	.41	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	.41	.41	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	.215	.215	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	.215	.215	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	.649	.649	0	%100
85	MP3A	X	0	0	0	%100
86	MP3A	Z	.649	.649	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	.649	.649	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.649	.649	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.649	.649	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.649	.649	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.649	.649	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	.649	.649	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.649	.649	0	%100
101	MP3B	X	0	0	0	%100
102	MP3B	Z	.649	.649	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...]
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.649	.649	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.196	.196	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.785	.785	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.196	.196	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.228	.228	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.912	.912	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.228	.228	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	M1	X	-.323	-.323	0	%100
2	M1	Z	.56	.56	0	%100
3	M4	X	-.121	-.121	0	%100
4	M4	Z	.21	.21	0	%100
5	M10	X	-.308	-.308	0	%100
6	M10	Z	.534	.534	0	%100
7	MP1A	X	-.324	-.324	0	%100
8	MP1A	Z	.562	.562	0	%100
9	M43	X	-.308	-.308	0	%100
10	M43	Z	.534	.534	0	%100
11	M46	X	-.615	-.615	0	%100
12	M46	Z	1.065	1.065	0	%100
13	M51B	X	-.341	-.341	0	%100
14	M51B	Z	.591	.591	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.205	-.205	0	%100
18	M76	Z	.355	.355	0	%100
19	M77	X	-.626	-.626	0	%100
20	M77	Z	1.084	1.084	0	%100
21	M84	X	-.205	-.205	0	%100
22	M84	Z	.355	.355	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	-.121	-.121	0	%100
26	M52A	Z	.21	.21	0	%100
27	M53	X	-.308	-.308	0	%100
28	M53	Z	.534	.534	0	%100
29	M54	X	-.308	-.308	0	%100
30	M54	Z	.534	.534	0	%100
31	M55	X	-.615	-.615	0	%100
32	M55	Z	1.065	1.065	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	-.341	-.341	0	%100
36	M59A	Z	.591	.591	0	%100
37	M63	X	-.205	-.205	0	%100
38	M63	Z	.355	.355	0	%100
39	M64	X	0	0	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...]
40	M64	Z	0	0	0	%100
41	M68	X	-.205	-.205	0	%100
42	M68	Z	.355	.355	0	%100
43	M69	X	-.626	-.626	0	%100
44	M69	Z	1.084	1.084	0	%100
45	M76A	X	-.486	-.486	0	%100
46	M76A	Z	.841	.841	0	%100
47	M77A	X	0	0	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	0	0	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	-.341	-.341	0	%100
54	M82	Z	.591	.591	0	%100
55	M83A	X	-.341	-.341	0	%100
56	M83A	Z	.591	.591	0	%100
57	M87	X	-.82	-.82	0	%100
58	M87	Z	1.42	1.42	0	%100
59	M88A	X	-.626	-.626	0	%100
60	M88A	Z	1.084	1.084	0	%100
61	M90	X	-.615	-.615	0	%100
62	M90	Z	1.065	1.065	0	%100
63	M92A	X	-.82	-.82	0	%100
64	M92A	Z	1.42	1.42	0	%100
65	M93	X	-.626	-.626	0	%100
66	M93	Z	1.084	1.084	0	%100
67	OVP	X	-.265	-.265	0	%100
68	OVP	Z	.459	.459	0	%100
69	M70A	X	-.615	-.615	0	%100
70	M70A	Z	1.065	1.065	0	%100
71	M72	X	-.615	-.615	0	%100
72	M72	Z	1.065	1.065	0	%100
73	M74A	X	-.615	-.615	0	%100
74	M74A	Z	1.065	1.065	0	%100
75	M76B	X	0	0	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	0	0	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-.323	-.323	0	%100
80	M78B	Z	.56	.56	0	%100
81	M79C	X	0	0	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-.324	-.324	0	%100
84	MP2A	Z	.562	.562	0	%100
85	MP3A	X	-.324	-.324	0	%100
86	MP3A	Z	.562	.562	0	%100
87	MP4A	X	-.324	-.324	0	%100
88	MP4A	Z	.562	.562	0	%100
89	MP1C	X	-.324	-.324	0	%100
90	MP1C	Z	.562	.562	0	%100
91	MP2C	X	-.324	-.324	0	%100
92	MP2C	Z	.562	.562	0	%100
93	MP3C	X	-.324	-.324	0	%100
94	MP3C	Z	.562	.562	0	%100
95	MP4C	X	-.324	-.324	0	%100
96	MP4C	Z	.562	.562	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...]
97	MP1B	X	-.324	-.324	0	%100
98	MP1B	Z	.562	.562	0	%100
99	MP2B	X	-.324	-.324	0	%100
100	MP2B	Z	.562	.562	0	%100
101	MP3B	X	-.324	-.324	0	%100
102	MP3B	Z	.562	.562	0	%100
103	MP4B	X	-.324	-.324	0	%100
104	MP4B	Z	.562	.562	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-.295	-.295	0	%100
108	M107	Z	.51	.51	0	%100
109	M112	X	-.295	-.295	0	%100
110	M112	Z	.51	.51	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.342	-.342	0	%100
114	M124	Z	.592	.592	0	%100
115	M125	X	-.342	-.342	0	%100
116	M125	Z	.592	.592	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	M1	X	-.187	-.187	0	%100
2	M1	Z	.108	.108	0	%100
3	M4	X	-.631	-.631	0	%100
4	M4	Z	.364	.364	0	%100
5	M10	X	-.178	-.178	0	%100
6	M10	Z	.103	.103	0	%100
7	MP1A	X	-.562	-.562	0	%100
8	MP1A	Z	.324	.324	0	%100
9	M43	X	-.178	-.178	0	%100
10	M43	Z	.103	.103	0	%100
11	M46	X	-.355	-.355	0	%100
12	M46	Z	.205	.205	0	%100
13	M51B	X	-.788	-.788	0	%100
14	M51B	Z	.455	.455	0	%100
15	M52B	X	-.197	-.197	0	%100
16	M52B	Z	.114	.114	0	%100
17	M76	X	-1.065	-1.065	0	%100
18	M76	Z	.615	.615	0	%100
19	M77	X	-1.446	-1.446	0	%100
20	M77	Z	.835	.835	0	%100
21	M84	X	-1.065	-1.065	0	%100
22	M84	Z	.615	.615	0	%100
23	M85	X	-.361	-.361	0	%100
24	M85	Z	.209	.209	0	%100
25	M52A	X	0	0	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	-.712	-.712	0	%100
28	M53	Z	.411	.411	0	%100
29	M54	X	-.712	-.712	0	%100
30	M54	Z	.411	.411	0	%100
31	M55	X	-1.42	-1.42	0	%100
32	M55	Z	.82	.82	0	%100
33	M58A	X	-.197	-.197	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...]
34	M58A	Z	.114	.114	0	%100
35	M59A	X	-.197	-.197	0	%100
36	M59A	Z	.114	.114	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-.361	-.361	0	%100
40	M64	Z	.209	.209	0	%100
41	M68	X	0	0	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	-.361	-.361	0	%100
44	M69	Z	.209	.209	0	%100
45	M76A	X	-.631	-.631	0	%100
46	M76A	Z	.364	.364	0	%100
47	M77A	X	-.178	-.178	0	%100
48	M77A	Z	.103	.103	0	%100
49	M78	X	-.178	-.178	0	%100
50	M78	Z	.103	.103	0	%100
51	M79A	X	-.355	-.355	0	%100
52	M79A	Z	.205	.205	0	%100
53	M82	X	-.197	-.197	0	%100
54	M82	Z	.114	.114	0	%100
55	M83A	X	-.788	-.788	0	%100
56	M83A	Z	.455	.455	0	%100
57	M87	X	-1.065	-1.065	0	%100
58	M87	Z	.615	.615	0	%100
59	M88A	X	-.361	-.361	0	%100
60	M88A	Z	.209	.209	0	%100
61	M90	X	-.355	-.355	0	%100
62	M90	Z	.205	.205	0	%100
63	M92A	X	-1.065	-1.065	0	%100
64	M92A	Z	.615	.615	0	%100
65	M93	X	-1.446	-1.446	0	%100
66	M93	Z	.835	.835	0	%100
67	OVP	X	-.459	-.459	0	%100
68	OVP	Z	.265	.265	0	%100
69	M70A	X	-.355	-.355	0	%100
70	M70A	Z	.205	.205	0	%100
71	M72	X	-1.42	-1.42	0	%100
72	M72	Z	.82	.82	0	%100
73	M74A	X	-1.42	-1.42	0	%100
74	M74A	Z	.82	.82	0	%100
75	M76B	X	-.355	-.355	0	%100
76	M76B	Z	.205	.205	0	%100
77	M78A	X	-.355	-.355	0	%100
78	M78A	Z	.205	.205	0	%100
79	M78B	X	-.746	-.746	0	%100
80	M78B	Z	.431	.431	0	%100
81	M79C	X	-.187	-.187	0	%100
82	M79C	Z	.108	.108	0	%100
83	MP2A	X	-.562	-.562	0	%100
84	MP2A	Z	.324	.324	0	%100
85	MP3A	X	-.562	-.562	0	%100
86	MP3A	Z	.324	.324	0	%100
87	MP4A	X	-.562	-.562	0	%100
88	MP4A	Z	.324	.324	0	%100
89	MP1C	X	-.562	-.562	0	%100
90	MP1C	Z	.324	.324	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...]
91	MP2C	X	-.562	-.562	0	%100
92	MP2C	Z	.324	.324	0	%100
93	MP3C	X	-.562	-.562	0	%100
94	MP3C	Z	.324	.324	0	%100
95	MP4C	X	-.562	-.562	0	%100
96	MP4C	Z	.324	.324	0	%100
97	MP1B	X	-.562	-.562	0	%100
98	MP1B	Z	.324	.324	0	%100
99	MP2B	X	-.562	-.562	0	%100
100	MP2B	Z	.324	.324	0	%100
101	MP3B	X	-.562	-.562	0	%100
102	MP3B	Z	.324	.324	0	%100
103	MP4B	X	-.562	-.562	0	%100
104	MP4B	Z	.324	.324	0	%100
105	M102	X	-.17	-.17	0	%100
106	M102	Z	.098	.098	0	%100
107	M107	X	-.17	-.17	0	%100
108	M107	Z	.098	.098	0	%100
109	M112	X	-.68	-.68	0	%100
110	M112	Z	.393	.393	0	%100
111	M123	X	-.197	-.197	0	%100
112	M123	Z	.114	.114	0	%100
113	M124	X	-.197	-.197	0	%100
114	M124	Z	.114	.114	0	%100
115	M125	X	-.79	-.79	0	%100
116	M125	Z	.456	.456	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.971	-.971	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-.649	-.649	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-.683	-.683	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.683	-.683	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.639	-1.639	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.252	-1.252	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	-1.639	-1.639	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-1.252	-1.252	0	%100
24	M85	Z	0	0	0	%100
25	M52A	X	-.243	-.243	0	%100
26	M52A	Z	0	0	0	%100
27	M53	X	-.616	-.616	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...]
28	M53	Z	0	0	0	%100
29	M54	X	-.616	-.616	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	-1.229	-1.229	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-.683	-.683	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	-.41	-.41	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-1.252	-1.252	0	%100
40	M64	Z	0	0	0	%100
41	M68	X	-.41	-.41	0	%100
42	M68	Z	0	0	0	%100
43	M69	X	0	0	0	%100
44	M69	Z	0	0	0	%100
45	M76A	X	-.243	-.243	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	-.616	-.616	0	%100
48	M77A	Z	0	0	0	%100
49	M78	X	-.616	-.616	0	%100
50	M78	Z	0	0	0	%100
51	M79A	X	-1.229	-1.229	0	%100
52	M79A	Z	0	0	0	%100
53	M82	X	0	0	0	%100
54	M82	Z	0	0	0	%100
55	M83A	X	-.683	-.683	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-.41	-.41	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	0	0	0	%100
60	M88A	Z	0	0	0	%100
61	M90	X	0	0	0	%100
62	M90	Z	0	0	0	%100
63	M92A	X	-.41	-.41	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-1.252	-1.252	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-.531	-.531	0	%100
68	OVP	Z	0	0	0	%100
69	M70A	X	0	0	0	%100
70	M70A	Z	0	0	0	%100
71	M72	X	-1.229	-1.229	0	%100
72	M72	Z	0	0	0	%100
73	M74A	X	-1.229	-1.229	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-1.229	-1.229	0	%100
76	M76B	Z	0	0	0	%100
77	M78A	X	-1.229	-1.229	0	%100
78	M78A	Z	0	0	0	%100
79	M78B	X	-.646	-.646	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-.646	-.646	0	%100
82	M79C	Z	0	0	0	%100
83	MP2A	X	-.649	-.649	0	%100
84	MP2A	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...]
85	MP3A	X	-.649	-.649	0	%100
86	MP3A	Z	0	0	0	%100
87	MP4A	X	-.649	-.649	0	%100
88	MP4A	Z	0	0	0	%100
89	MP1C	X	-.649	-.649	0	%100
90	MP1C	Z	0	0	0	%100
91	MP2C	X	-.649	-.649	0	%100
92	MP2C	Z	0	0	0	%100
93	MP3C	X	-.649	-.649	0	%100
94	MP3C	Z	0	0	0	%100
95	MP4C	X	-.649	-.649	0	%100
96	MP4C	Z	0	0	0	%100
97	MP1B	X	-.649	-.649	0	%100
98	MP1B	Z	0	0	0	%100
99	MP2B	X	-.649	-.649	0	%100
100	MP2B	Z	0	0	0	%100
101	MP3B	X	-.649	-.649	0	%100
102	MP3B	Z	0	0	0	%100
103	MP4B	X	-.649	-.649	0	%100
104	MP4B	Z	0	0	0	%100
105	M102	X	-.589	-.589	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.589	-.589	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.684	-.684	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.684	-.684	0	%100
116	M125	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	M1	X	-.187	-.187	0	%100
2	M1	Z	-.108	-.108	0	%100
3	M4	X	-.631	-.631	0	%100
4	M4	Z	-.364	-.364	0	%100
5	M10	X	-.178	-.178	0	%100
6	M10	Z	-.103	-.103	0	%100
7	MP1A	X	-.562	-.562	0	%100
8	MP1A	Z	-.324	-.324	0	%100
9	M43	X	-.178	-.178	0	%100
10	M43	Z	-.103	-.103	0	%100
11	M46	X	-.355	-.355	0	%100
12	M46	Z	-.205	-.205	0	%100
13	M51B	X	-.197	-.197	0	%100
14	M51B	Z	-.114	-.114	0	%100
15	M52B	X	-.788	-.788	0	%100
16	M52B	Z	-.455	-.455	0	%100
17	M76	X	-1.065	-1.065	0	%100
18	M76	Z	-.615	-.615	0	%100
19	M77	X	-.361	-.361	0	%100
20	M77	Z	-.209	-.209	0	%100
21	M84	X	-1.065	-1.065	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...]
22	M84	Z	-.615	-.615	0	%100
23	M85	X	-1.446	-1.446	0	%100
24	M85	Z	-.835	-.835	0	%100
25	M52A	X	-.631	-.631	0	%100
26	M52A	Z	-.364	-.364	0	%100
27	M53	X	-.178	-.178	0	%100
28	M53	Z	-.103	-.103	0	%100
29	M54	X	-.178	-.178	0	%100
30	M54	Z	-.103	-.103	0	%100
31	M55	X	-.355	-.355	0	%100
32	M55	Z	-.205	-.205	0	%100
33	M58A	X	-.788	-.788	0	%100
34	M58A	Z	-.455	-.455	0	%100
35	M59A	X	-.197	-.197	0	%100
36	M59A	Z	-.114	-.114	0	%100
37	M63	X	-1.065	-1.065	0	%100
38	M63	Z	-.615	-.615	0	%100
39	M64	X	-1.446	-1.446	0	%100
40	M64	Z	-.835	-.835	0	%100
41	M68	X	-1.065	-1.065	0	%100
42	M68	Z	-.615	-.615	0	%100
43	M69	X	-.361	-.361	0	%100
44	M69	Z	-.209	-.209	0	%100
45	M76A	X	0	0	0	%100
46	M76A	Z	0	0	0	%100
47	M77A	X	-.712	-.712	0	%100
48	M77A	Z	-.411	-.411	0	%100
49	M78	X	-.712	-.712	0	%100
50	M78	Z	-.411	-.411	0	%100
51	M79A	X	-1.42	-1.42	0	%100
52	M79A	Z	-.82	-.82	0	%100
53	M82	X	-.197	-.197	0	%100
54	M82	Z	-.114	-.114	0	%100
55	M83A	X	-.197	-.197	0	%100
56	M83A	Z	-.114	-.114	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M88A	X	-.361	-.361	0	%100
60	M88A	Z	-.209	-.209	0	%100
61	M90	X	-.355	-.355	0	%100
62	M90	Z	-.205	-.205	0	%100
63	M92A	X	0	0	0	%100
64	M92A	Z	0	0	0	%100
65	M93	X	-.361	-.361	0	%100
66	M93	Z	-.209	-.209	0	%100
67	OVP	X	-.459	-.459	0	%100
68	OVP	Z	-.265	-.265	0	%100
69	M70A	X	-.355	-.355	0	%100
70	M70A	Z	-.205	-.205	0	%100
71	M72	X	-.355	-.355	0	%100
72	M72	Z	-.205	-.205	0	%100
73	M74A	X	-.355	-.355	0	%100
74	M74A	Z	-.205	-.205	0	%100
75	M76B	X	-1.42	-1.42	0	%100
76	M76B	Z	-.82	-.82	0	%100
77	M78A	X	-1.42	-1.42	0	%100
78	M78A	Z	-.82	-.82	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...]
79	M78B	X	-.187	-.187	0	%100
80	M78B	Z	-.108	-.108	0	%100
81	M79C	X	-.746	-.746	0	%100
82	M79C	Z	-.431	-.431	0	%100
83	MP2A	X	-.562	-.562	0	%100
84	MP2A	Z	-.324	-.324	0	%100
85	MP3A	X	-.562	-.562	0	%100
86	MP3A	Z	-.324	-.324	0	%100
87	MP4A	X	-.562	-.562	0	%100
88	MP4A	Z	-.324	-.324	0	%100
89	MP1C	X	-.562	-.562	0	%100
90	MP1C	Z	-.324	-.324	0	%100
91	MP2C	X	-.562	-.562	0	%100
92	MP2C	Z	-.324	-.324	0	%100
93	MP3C	X	-.562	-.562	0	%100
94	MP3C	Z	-.324	-.324	0	%100
95	MP4C	X	-.562	-.562	0	%100
96	MP4C	Z	-.324	-.324	0	%100
97	MP1B	X	-.562	-.562	0	%100
98	MP1B	Z	-.324	-.324	0	%100
99	MP2B	X	-.562	-.562	0	%100
100	MP2B	Z	-.324	-.324	0	%100
101	MP3B	X	-.562	-.562	0	%100
102	MP3B	Z	-.324	-.324	0	%100
103	MP4B	X	-.562	-.562	0	%100
104	MP4B	Z	-.324	-.324	0	%100
105	M102	X	-.68	-.68	0	%100
106	M102	Z	-.393	-.393	0	%100
107	M107	X	-.17	-.17	0	%100
108	M107	Z	-.098	-.098	0	%100
109	M112	X	-.17	-.17	0	%100
110	M112	Z	-.098	-.098	0	%100
111	M123	X	-.79	-.79	0	%100
112	M123	Z	-.456	-.456	0	%100
113	M124	X	-.197	-.197	0	%100
114	M124	Z	-.114	-.114	0	%100
115	M125	X	-.197	-.197	0	%100
116	M125	Z	-.114	-.114	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	M1	X	-.323	-.323	0	%100
2	M1	Z	-.56	-.56	0	%100
3	M4	X	-.121	-.121	0	%100
4	M4	Z	-.21	-.21	0	%100
5	M10	X	-.308	-.308	0	%100
6	M10	Z	-.534	-.534	0	%100
7	MP1A	X	-.324	-.324	0	%100
8	MP1A	Z	-.562	-.562	0	%100
9	M43	X	-.308	-.308	0	%100
10	M43	Z	-.534	-.534	0	%100
11	M46	X	-.615	-.615	0	%100
12	M46	Z	-1.065	-1.065	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.341	-.341	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...
16	M52B	Z	-.591	-.591	0	%100
17	M76	X	-.205	-.205	0	%100
18	M76	Z	-.355	-.355	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M84	X	-.205	-.205	0	%100
22	M84	Z	-.355	-.355	0	%100
23	M85	X	-.626	-.626	0	%100
24	M85	Z	-1.084	-1.084	0	%100
25	M52A	X	-.486	-.486	0	%100
26	M52A	Z	-.841	-.841	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-.341	-.341	0	%100
34	M58A	Z	-.591	-.591	0	%100
35	M59A	X	-.341	-.341	0	%100
36	M59A	Z	-.591	-.591	0	%100
37	M63	X	-.82	-.82	0	%100
38	M63	Z	-1.42	-1.42	0	%100
39	M64	X	-.626	-.626	0	%100
40	M64	Z	-1.084	-1.084	0	%100
41	M68	X	-.82	-.82	0	%100
42	M68	Z	-1.42	-1.42	0	%100
43	M69	X	-.626	-.626	0	%100
44	M69	Z	-1.084	-1.084	0	%100
45	M76A	X	-.121	-.121	0	%100
46	M76A	Z	-.21	-.21	0	%100
47	M77A	X	-.308	-.308	0	%100
48	M77A	Z	-.534	-.534	0	%100
49	M78	X	-.308	-.308	0	%100
50	M78	Z	-.534	-.534	0	%100
51	M79A	X	-.615	-.615	0	%100
52	M79A	Z	-1.065	-1.065	0	%100
53	M82	X	-.341	-.341	0	%100
54	M82	Z	-.591	-.591	0	%100
55	M83A	X	0	0	0	%100
56	M83A	Z	0	0	0	%100
57	M87	X	-.205	-.205	0	%100
58	M87	Z	-.355	-.355	0	%100
59	M88A	X	-.626	-.626	0	%100
60	M88A	Z	-1.084	-1.084	0	%100
61	M90	X	-.615	-.615	0	%100
62	M90	Z	-1.065	-1.065	0	%100
63	M92A	X	-.205	-.205	0	%100
64	M92A	Z	-.355	-.355	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	OVP	X	-.265	-.265	0	%100
68	OVP	Z	-.459	-.459	0	%100
69	M70A	X	-.615	-.615	0	%100
70	M70A	Z	-1.065	-1.065	0	%100
71	M72	X	0	0	0	%100
72	M72	Z	0	0	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...
73	M74A	X	0	0	0	%100
74	M74A	Z	0	0	0	%100
75	M76B	X	-.615	-.615	0	%100
76	M76B	Z	-1.065	-1.065	0	%100
77	M78A	X	-.615	-.615	0	%100
78	M78A	Z	-1.065	-1.065	0	%100
79	M78B	X	0	0	0	%100
80	M78B	Z	0	0	0	%100
81	M79C	X	-.323	-.323	0	%100
82	M79C	Z	-.56	-.56	0	%100
83	MP2A	X	-.324	-.324	0	%100
84	MP2A	Z	-.562	-.562	0	%100
85	MP3A	X	-.324	-.324	0	%100
86	MP3A	Z	-.562	-.562	0	%100
87	MP4A	X	-.324	-.324	0	%100
88	MP4A	Z	-.562	-.562	0	%100
89	MP1C	X	-.324	-.324	0	%100
90	MP1C	Z	-.562	-.562	0	%100
91	MP2C	X	-.324	-.324	0	%100
92	MP2C	Z	-.562	-.562	0	%100
93	MP3C	X	-.324	-.324	0	%100
94	MP3C	Z	-.562	-.562	0	%100
95	MP4C	X	-.324	-.324	0	%100
96	MP4C	Z	-.562	-.562	0	%100
97	MP1B	X	-.324	-.324	0	%100
98	MP1B	Z	-.562	-.562	0	%100
99	MP2B	X	-.324	-.324	0	%100
100	MP2B	Z	-.562	-.562	0	%100
101	MP3B	X	-.324	-.324	0	%100
102	MP3B	Z	-.562	-.562	0	%100
103	MP4B	X	-.324	-.324	0	%100
104	MP4B	Z	-.562	-.562	0	%100
105	M102	X	-.295	-.295	0	%100
106	M102	Z	-.51	-.51	0	%100
107	M107	X	-.295	-.295	0	%100
108	M107	Z	-.51	-.51	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.342	-.342	0	%100
112	M123	Z	-.592	-.592	0	%100
113	M124	X	-.342	-.342	0	%100
114	M124	Z	-.592	-.592	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft...
1	M58A	Y	-1.661	-4.228	0	.832
2	M58A	Y	-4.228	-6.902	.832	1.665
3	M58A	Y	-6.902	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.545	2.497	3.329
5	M58A	Y	-6.545	-3.463	3.329	4.162
6	M59A	Y	-3.462	-6.573	0	.832
7	M59A	Y	-6.573	-8.26	.832	1.665
8	M59A	Y	-8.26	-7.044	1.665	2.497
9	M59A	Y	-7.044	-4.426	2.497	3.329

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
10	M59A	Y	-4.426	-1.884	3.329	4.162
11	M82	Y	-1.883	-4.428	0	.832
12	M82	Y	-4.428	-7.048	.832	1.665
13	M82	Y	-7.048	-8.261	1.665	2.497
14	M82	Y	-8.261	-6.572	2.497	3.329
15	M82	Y	-6.572	-3.462	3.329	4.162
16	M83A	Y	-3.463	-6.544	0	.832
17	M83A	Y	-6.544	-8.187	.832	1.665
18	M83A	Y	-8.187	-6.899	1.665	2.497
19	M83A	Y	-6.899	-4.227	2.497	3.329
20	M83A	Y	-4.227	-1.664	3.329	4.162
21	M51B	Y	-1.665	-4.227	0	.832
22	M51B	Y	-4.227	-6.9	.832	1.665
23	M51B	Y	-6.9	-8.189	1.665	2.497
24	M51B	Y	-8.189	-6.545	2.497	3.329
25	M51B	Y	-6.545	-3.463	3.329	4.162
26	M52B	Y	-3.47	-6.578	0	.832
27	M52B	Y	-6.578	-8.256	.832	1.665
28	M52B	Y	-8.256	-7.042	1.665	2.497
29	M52B	Y	-7.042	-4.428	2.497	3.329
30	M52B	Y	-4.428	-1.879	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...]	End Location[ft...]
1	M58A	Y	-3.237	-8.24	0	.832
2	M58A	Y	-8.24	-13.449	.832	1.665
3	M58A	Y	-13.449	-15.957	1.665	2.497
4	M58A	Y	-15.957	-12.753	2.497	3.329
5	M58A	Y	-12.753	-6.748	3.329	4.162
6	M59A	Y	-6.746	-12.809	0	.832
7	M59A	Y	-12.809	-16.097	.832	1.665
8	M59A	Y	-16.097	-13.727	1.665	2.497
9	M59A	Y	-13.727	-8.625	2.497	3.329
10	M59A	Y	-8.625	-3.672	3.329	4.162
11	M82	Y	-3.669	-8.628	0	.832
12	M82	Y	-8.628	-13.734	.832	1.665
13	M82	Y	-13.734	-16.098	1.665	2.497
14	M82	Y	-16.098	-12.807	2.497	3.329
15	M82	Y	-12.807	-6.747	3.329	4.162
16	M83A	Y	-6.748	-12.753	0	.832
17	M83A	Y	-12.753	-15.954	.832	1.665
18	M83A	Y	-15.954	-13.445	1.665	2.497
19	M83A	Y	-13.445	-8.237	2.497	3.329
20	M83A	Y	-8.237	-3.242	3.329	4.162
21	M51B	Y	-3.245	-8.237	0	.832
22	M51B	Y	-8.237	-13.445	.832	1.665
23	M51B	Y	-13.445	-15.957	1.665	2.497
24	M51B	Y	-15.957	-12.753	2.497	3.329
25	M51B	Y	-12.753	-6.748	3.329	4.162
26	M52B	Y	-6.761	-12.818	0	.832
27	M52B	Y	-12.818	-16.089	.832	1.665
28	M52B	Y	-16.089	-13.722	1.665	2.497
29	M52B	Y	-13.722	-8.629	2.497	3.329
30	M52B	Y	-8.629	-3.662	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.005
2	N117	N139	N141	N118	Y	Two Way	-.005
3	N7	N6	N87C	N87B	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.01
2	N117	N139	N141	N118	Y	Two Way	-.01
3	N7	N6	N87C	N87B	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1642.566	10	2426.041	13	2951.867	1	4.841	13	2.181	4	.269	3
2		min	-1646.313	4	587.383	7	-3079.055	7	.294	7	-2.174	10	-.214	9
3	N87D	max	2738.949	10	2326.95	21	1371.35	3	-.277	3	1.846	12	-.281	3
4		min	-2849.755	4	521.141	3	-1311.238	9	-2.78	45	-1.843	6	-4.332	45
5	N115	max	2503.601	11	2300.7	17	2056.307	1	-.12	11	1.963	8	4.02	17
6		min	-2393.278	5	529.399	11	-1991.527	7	-2.548	17	-1.962	2	.382	11
7	Totals:	max	6656.19	10	6706.917	24	6357.153	1						
8		min	-6656.192	4	3102.588	6	-6357.152	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	MP2A	PIPE 2.0	.582	4.375	1	.146	4.375		4	17855...	32130	1.872	1.872	1.9...	H1...
2	MP2B	PIPE 2.0	.578	4.375	4	.146	4.375		7	17855...	32130	1.872	1.872	1.7...	H1...
3	MP2C	PIPE 2.0	.573	4.375	9	.120	4.375		12	17855...	32130	1.872	1.872	1.8...	H1...
4	MP3B	PIPE 2.0	.358	4.302	9	.077	4.302		10	17855...	32130	1.872	1.872	2.13	H1...
5	MP3A	PIPE 2.0	.344	4.302	5	.080	4.302		6	17855...	32130	1.872	1.872	2.0...	H1...
6	MP3C	PIPE 2.0	.343	4.302	1	.079	4.302		2	17855...	32130	1.872	1.872	1.9...	H1...
7	M55	PL3/8x6	.325	.516	2	.137	.516	y	48	36639...	72900	.57	9.113	1.4...	H1...
8	M79A	PL3/8x6	.324	.516	10	.093	.516	y	8	36639...	72900	.57	9.113	1.4...	H1...
9	M52A	HSS4X4X4	.319	0	42	.075	0	y	21	12465...	139518	16.181	16.181	2.5...	H1...
10	M64	PL3/8x6	.319	.167	4	.341	0	y	21	71601...	72900	.57	9.113	1.2...	H1...
11	M4	HSS4X4X4	.309	0	15	.077	0	y	14	12465...	139518	16.181	16.181	3.1...	H1...
12	M77	PL3/8x6	.308	.167	8	.337	0	y	13	71601...	72900	.57	9.113	1.2...	H1...
13	M88A	PL3/8x6	.305	.167	12	.339	0	y	17	71601...	72900	.57	9.113	1.2...	H1...
14	M46	PL3/8x6	.302	.516	6	.092	.516	y	3	36639...	72900	.57	9.113	1.4...	H1...
15	M76A	HSS4X4X4	.302	0	19	.096	0	y	29	12465...	139518	16.181	16.181	3.1...	H1...
16	MP1A	PIPE 2.0	.284	4.302	9	.085	4.302		8	17855...	32130	1.872	1.872	1.71	H1...
17	MP1C	PIPE 2.0	.284	4.302	5	.085	4.302		4	17855...	32130	1.872	1.872	1.77	H1...
18	MP1B	PIPE 2.0	.271	4.302	2	.080	4.302		12	17855...	32130	1.872	1.872	1.6...	H1...
19	MP4B	PIPE 2.0	.249	4.302	9	.087	3.208		9	17855...	32130	1.872	1.872	2.3...	H1...
20	MP4A	PIPE 2.0	.243	4.302	5	.089	3.208		6	17855...	32130	1.872	1.872	2.0...	H1...
21	MP4C	PIPE 2.0	.242	4.302	1	.089	3.208		2	17855...	32130	1.872	1.872	1.9...	H1...
22	M69	PL3/8x6	.242	.167	2	.316	0	y	20	71601...	72900	.57	9.113	1.1...	H1...
23	M93	PL3/8x6	.241	.167	10	.314	0	y	16	71601...	72900	.57	9.113	1.1...	H1...
24	M70A	PL3/8x6	.228	.125	2	.245	0	y	47	70011...	72900	.57	9.113	1.5...	H1...
25	M85	PL3/8x6	.225	.167	6	.310	0	y	24	71601...	72900	.57	9.113	1.2...	H1...
26	M74A	PL3/8x6	.223	.125	10	.100	0	y	7	70011...	72900	.57	9.113	1.5...	H1...
27	M76	PL3/8x6	.220	0	4	.163	0	y	20	70677...	72900	.57	9.113	1.2...	H1...
28	M87	PL3/8x6	.216	0	8	.166	0	y	23	70677...	72900	.57	9.113	1.2...	H1...
29	M76B	PL3/8x6	.210	.125	4	.107	.125	y	37	70011...	72900	.57	9.113	1.4...	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
30	M78A	PL3/8x6	.206	.125	6	.101	0	y	3	70011...	72900	.57	9.113	2.2...H1...
31	M51B	L2x2x3	.201	0	3	.011	4.162	y	16	9823....	23392.8	.558	1.069	1.1...H2...
32	M82	L2x2x3	.199	0	7	.012	4.162	y	20	9823....	23392.8	.558	1.069	1.1...H2...
33	M63	PL3/8x6	.198	0	12	.160	0	y	15	70677...	72900	.57	9.113	1.2...H1...
34	M123	L3X3X4	.195	1.386	7	.049	0	z	8	44712...	46656	1.688	3.756	2.1...H2...
35	M124	L3X3X4	.194	1.386	3	.048	1.386	z	3	44712...	46656	1.688	3.756	2.1...H2...
36	M58A	L2x2x3	.193	0	11	.011	4.162	y	24	9823....	23392.8	.558	1.069	1.1...H2...
37	M125	L3X3X4	.190	1.386	11	.048	1.386	z	11	44712...	46656	1.688	3.756	2.1...H2...
38	M90	PL3/8x6	.186	.125	12	.111	0	y	49	70011...	72900	.57	9.113	1.4...H1...
39	M72	PL3/8x6	.185	.125	8	.080	.125	y	4	70011...	72900	.57	9.113	1.4...H1...
40	M53	HSS4X4X4	.169	2.375	22	.057	.223	z	10	13626...	139518	16.181	16.181	1.6...H1...
41	M92A	PL3/8x6	.168	0	4	.265	0	y	24	70677...	72900	.57	9.113	1.2...H1...
42	M77A	HSS4X4X4	.168	2.375	18	.055	.223	z	6	13626...	139518	16.181	16.181	1.6...H1...
43	M10	HSS4X4X4	.167	2.375	14	.056	.223	z	2	13626...	139518	16.181	16.181	1.6...H1...
44	M68	PL3/8x6	.165	0	8	.267	0	y	16	70677...	72900	.57	9.113	1.2...H1...
45	M54	HSS4X4X4	.161	0	20	.046	0	y	23	13626...	139518	16.181	16.181	1.6...H1...
46	M78	HSS4X4X4	.159	0	16	.046	0	y	19	13626...	139518	16.181	16.181	1.6...H1...
47	M43	HSS4X4X4	.157	0	24	.045	0	y	15	13626...	139518	16.181	16.181	1.6...H1...
48	M84	PL3/8x6	.155	0	12	.266	0	y	20	70677...	72900	.57	9.113	1.2...H1...
49	M59A	L2x2x3	.147	0	8	.012	0	y	17	9823....	23392.8	.558	1.137	1.4...H2...
50	M83A	L2x2x3	.145	0	4	.012	0	y	13	9823....	23392.8	.558	1.123	1.3...H2...
51	M52B	L2x2x3	.141	4.162	11	.012	4.162	y	21	9823....	23392.8	.558	1.069	1.1...H2...
52	M107	PIPE 2.5	.138	4.167	8	.070	11.5...		7	14558...	50715	3.596	3.596	2.2...H1...
53	OVP	PIPE 2.0	.134	2.25	4	.021	2.25		4	28843...	32130	1.872	1.872	1.7...H1...
54	M102	PIPE 2.5	.134	4.167	12	.066	11.5...		11	14558...	50715	3.596	3.596	2.2...H1...
55	M112	PIPE 2.5	.132	4.167	4	.070	11.5...		3	14558...	50715	3.596	3.596	2.2...H1...
56	M1	PIPE 3.0	.126	7.813	9	.112	4.557		7	28250...	65205	5.749	5.749	2.0...H1...
57	M78B	PIPE 3.0	.122	7.812	5	.113	4.557		3	28250...	65205	5.749	5.749	2.0...H1...
58	M79C	PIPE 3.0	.121	7.812	1	.113	4.557		10	28250...	65205	5.749	5.749	2.0...H1...



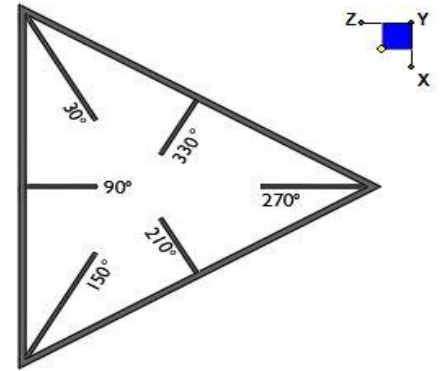
Client:	Verizon Wireless	Date:	4/22/2021
Site Name:	LEDYARD SOUTH CT		
Project No.	21777103A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N87D	30
N3	270
N115	150



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):

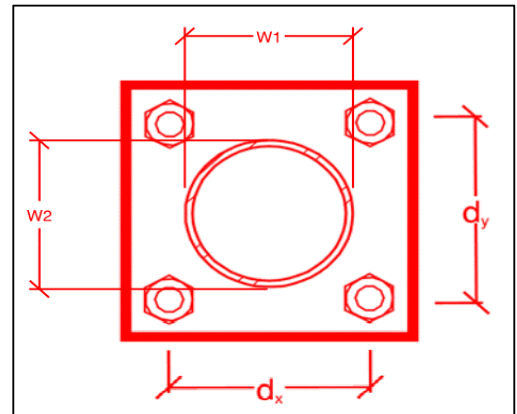
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
20.6
4.5
20.7
12.4
24.9%*
9.1%



*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
8
4
4
36
0.75
3
4.18
2.90
28.5%
69.5%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in) :	10.1
$\Phi M_{n_{xx}}$ (kip-in) :	36.5
$M_{u_{yy}}$ (kip-in) :	0.2
$\Phi M_{n_{yy}}$ (kip-in) :	36.5

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

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

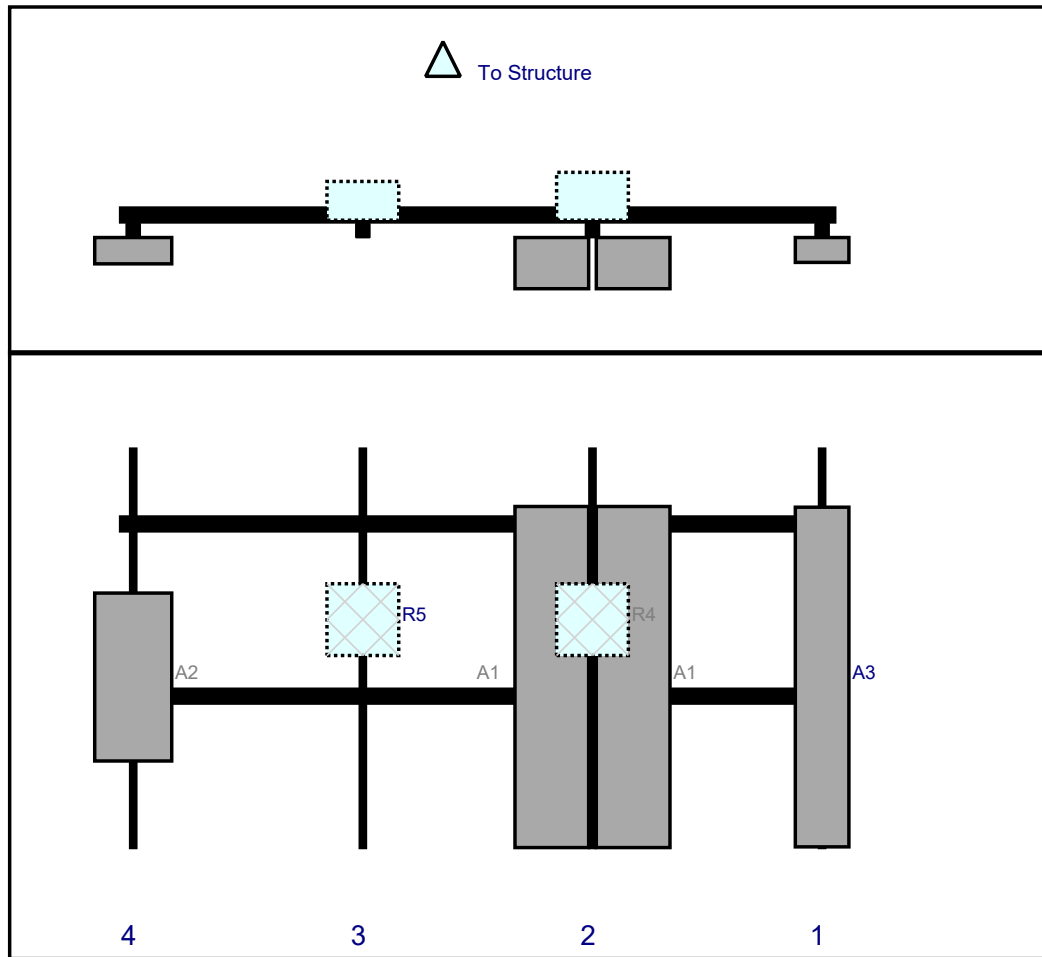
4/27/2021

Structure Type: Monopole

Mount Elev: 160.60

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
A3	BXA-70063-6CF	71	11.2	147	1	a	Front	48	0	Retained	02/09/2021
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	8.5	Added	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-8.5	Added	
R4	B2/B66A RRH-BR049	15	15	99	2	a	Behind	36	0	Added	
R5	B5/B13 RRH-BR04C	15	15	51	3	a	Behind	36	0	Added	
A2	MT6407-77A	35.1	16.1	3	4	a	Front	48	0	Added	

Sector: B

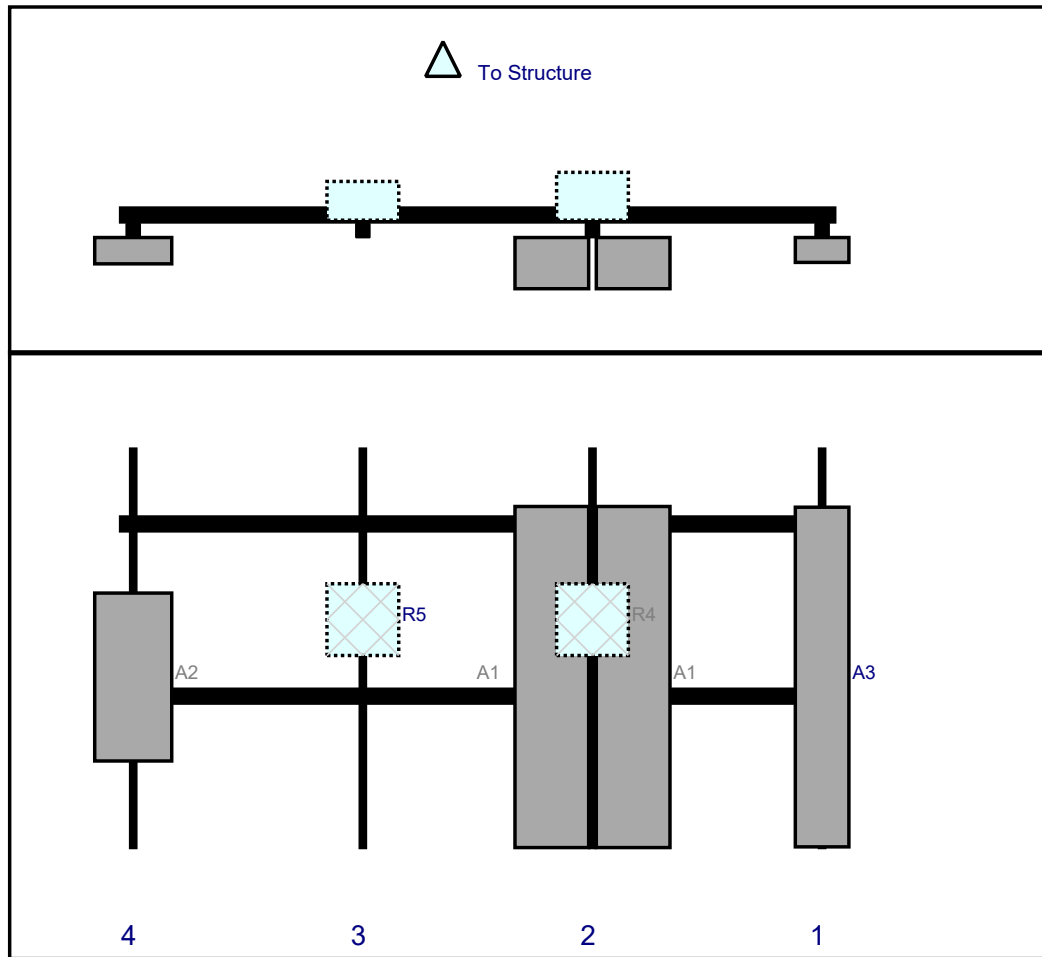
4/27/2021

Structure Type: Monopole

Mount Elev: 160.60

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
A3	BXA-70063-6CF	71	11.2	147	1	a	Front	48	0	Retained	02/09/2021
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	8.5	Added	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-8.5	Added	
R4	B2/B66A RRH-BR049	15	15	99	2	a	Behind	36	0	Added	
R5	B5/B13 RRH-BR04C	15	15	51	3	a	Behind	36	0	Added	
A2	MT6407-77A	35.1	16.1	3	4	a	Front	48	0	Added	

Sector: C

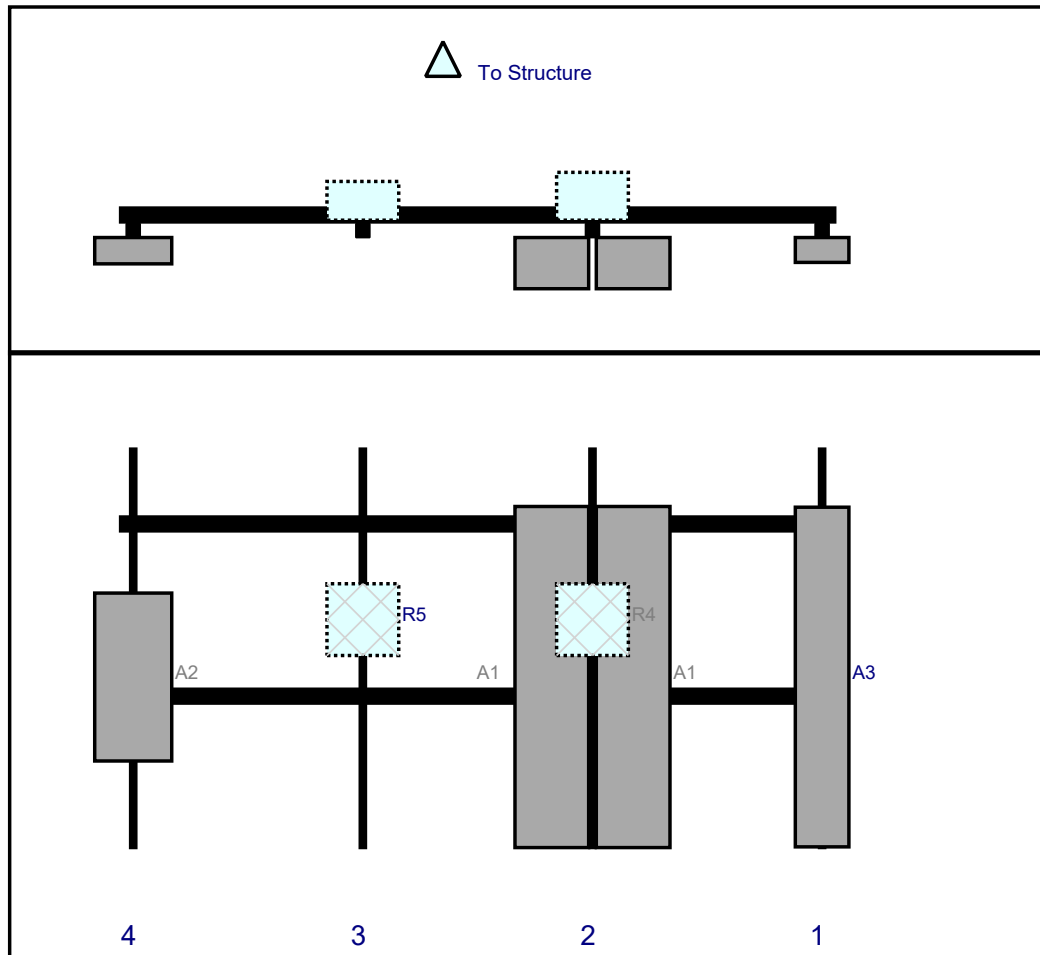
4/27/2021

Structure Type: Monopole

Mount Elev: 160.60

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
A3	BXA-70063-6CF	71	11.2	147	1	a	Front	48	0	Retained	02/09/2021
A1	MX06FRO660-03	71.3	15.4	99	2	a	Front	48	8.5	Added	
A1	MX06FRO660-03	71.3	15.4	99	2	b	Front	48	-8.5	Added	
R4	B2/B66A RRH-BR049	15	15	99	2	a	Behind	36	0	Added	
R5	B5/B13 RRH-BR04C	15	15	51	3	a	Behind	36	0	Added	
A2	MT6407-77A	35.1	16.1	3	4	a	Front	48	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 468773-VZW / LEDYARD SOUTH CT

Site Name: LEDYARD SOUTH CT

Carrier Name: Verizon Wireless

Address: 770 Long Cove Rd

Gales Ferry, Connecticut 06335

New London County

Latitude: 41.416861°

Longitude: -72.044278°

Structure Information

Tower Type: 165-Ft Monopole

Mount Type: 12.50-Ft Platform

To Whom It May Concern,

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

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

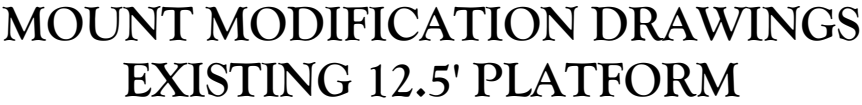
Alec S. Norris, PE
Sr. Project Manager



\\AdPublish_13348\468773-VZW_LEDYARD SOUTH CT_MountModDrawings_210423.dwg(T-1) By: JFRASER

- AdPublish_13348\468773-VZW_LEDYA

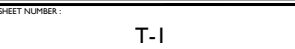
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UPON FOR ANY OTHER PURPOSE WITHOUT THE EXPRESS WRITTEN
CONSENT OF MASER CONSULTING



770 LONG COVE ROAD
GALES FERRY, CT 06335
NEW LONDON COUNTY

CONTRACTOR PMI REQUIREMENTS		REFERENCED DOCUMENTS	
PMI LOCATION:	HTTPS://PMI.VZWSMART.COM	FAILING MOUNT ANALYSIS REPORT	
SMART TOOL PROJECT #:	10054207	SMART TOOL PROJECT #:	10037934
VZW LOCATION CODE (PSLC):	468773	MASER CONSULTING PROJECT #:	21777103A
FUZE ID:	16244638	ANALYSIS DATE:	3/15/2021
PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT			

REFERENCED DOCUMENTS	
FAILING MOUNT ANALYSIS REPORT	
SMART TOOL PROJECT #:	10037934
MASER CONSULTING PROJECT #:	21777103A
ANALYSIS DATE:	3/15/2021



NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

\\mch\sls\1358\46771\VDW_LEDYARD SOUTH CT_Thumbnails\Drawing - 210423.dwg(1) By: FRASER

BILL OF MATERIALS				
VZWSMART KITS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
I	VZWSMART	VZWSMART-PLK I	SUPPORT RAIL KIT	
OTHER REQUIRED PARTS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
I	-	-	36" LONG, P2.0 STD. PIPE FOR OVP MOUNTING	GALVANIZED
I	SITE PRO I	SQCX4-K	CROSSOVER PLATE	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.

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

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

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



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CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

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Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:

BILL OF MATERIALS

SHEET NUMBER:

S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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) = 229.8'

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_g = .191
- c. LONG TERM MCER GROUND MOTION, S_g = .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.



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Fax: 856.722.1130

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-2

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By: PRAGER

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:

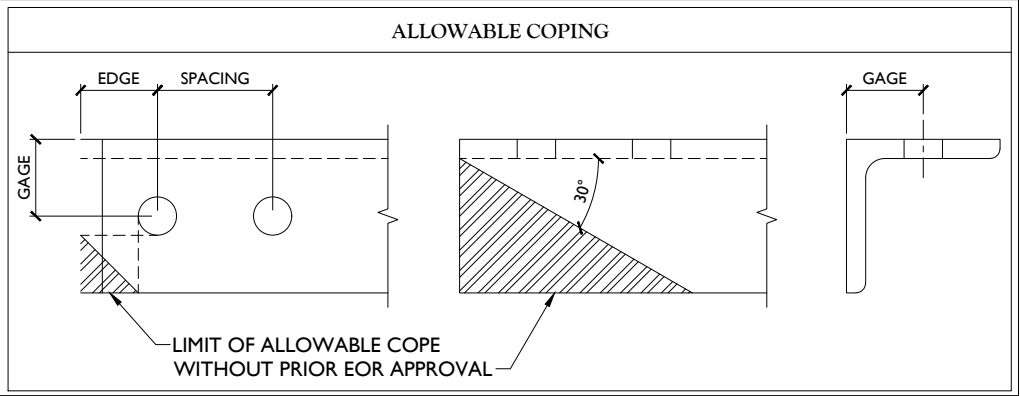
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

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

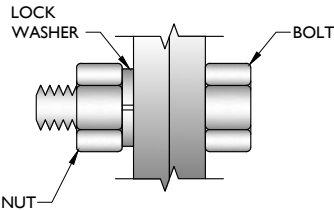
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



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

WORKABLE GAGES (IN.)

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



TYP. BOLT ASSEMBLY

NOTES:

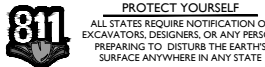
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS 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.



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SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-3

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SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4

PROPOSED 36" LONG P2.0 STD PIPE FOR OVP MOUNT
(BETWEEN BETA AND GAMMA SECTORS ONLY)
REFER TO NOTE 2

1'-0" ±3"
(TYP.)

PROPOSED SUPPORT RAIL KIT
(PART #: VZWSMART-PLK1)

1'-0" ±3"
(TYP.)

3'-0" ±3"

Existing Grating
Support (Typ.)

Existing Face
Horizontal (Typ.)

Existing Standoff
Horizontal (Typ.)

PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

2

Existing Mount
Pipe (Typ.)

Existing Face
Horizontal (Typ.)

Existing Standoff
Horizontal (Typ.)

Existing Grating
Support (Typ.)

EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

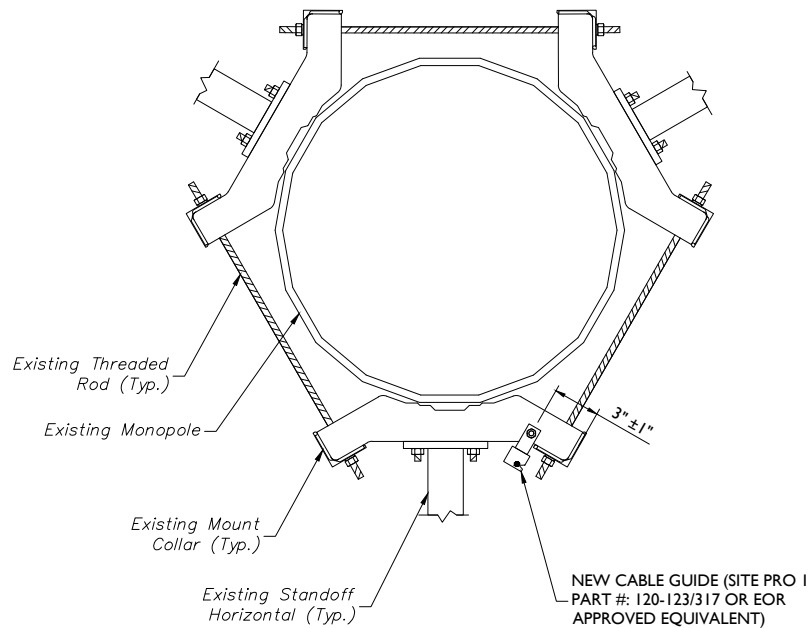
1

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 2/9/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (160.6') ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

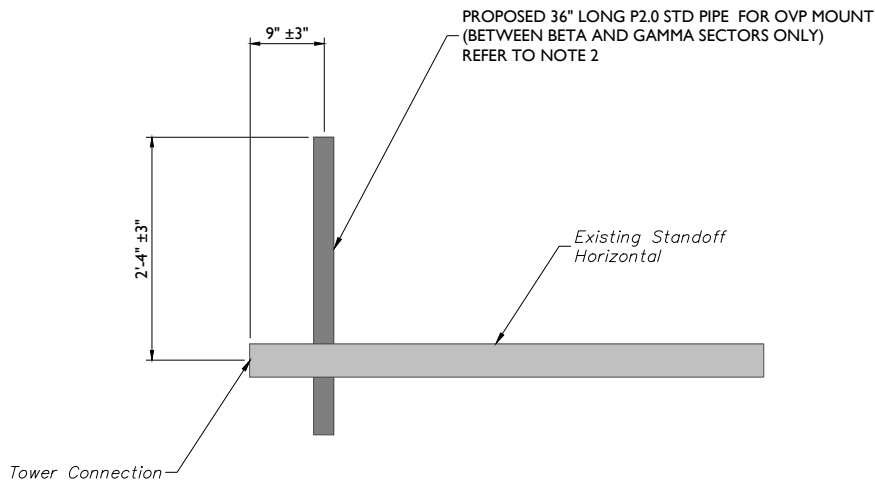
MODIFICATION NOTES:

- MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
- CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITEPRO1 SQCX4-K OR EOR APPROVED EQUIVALENT).



1 PROPOSED CABLE GUIDE DETAIL

SCALE : N.T.S.



2 PROPOSED OVP MOUNTING (BETWEEN BETA AND GAMMA SECTOR)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITEPRO I SQCX4-K OR EOR APPROVED EQUIVALENT).



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| ■ SOUTH CAROLINA | |

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ALL STATES REQUIRE NOTIFICATION OF
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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:
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SCALE : AS SHOWN JOB NUMBER: 21777103A

0	04/27/21	ISSUED FOR CONSTRUCTION	JRF	ASN	
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A. #: JPC.0000131

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SITE NAME:

LEDYARD SOUTH CT
468773
770 LONG COVE ROAD
GALES FERRY, 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:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4



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-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :

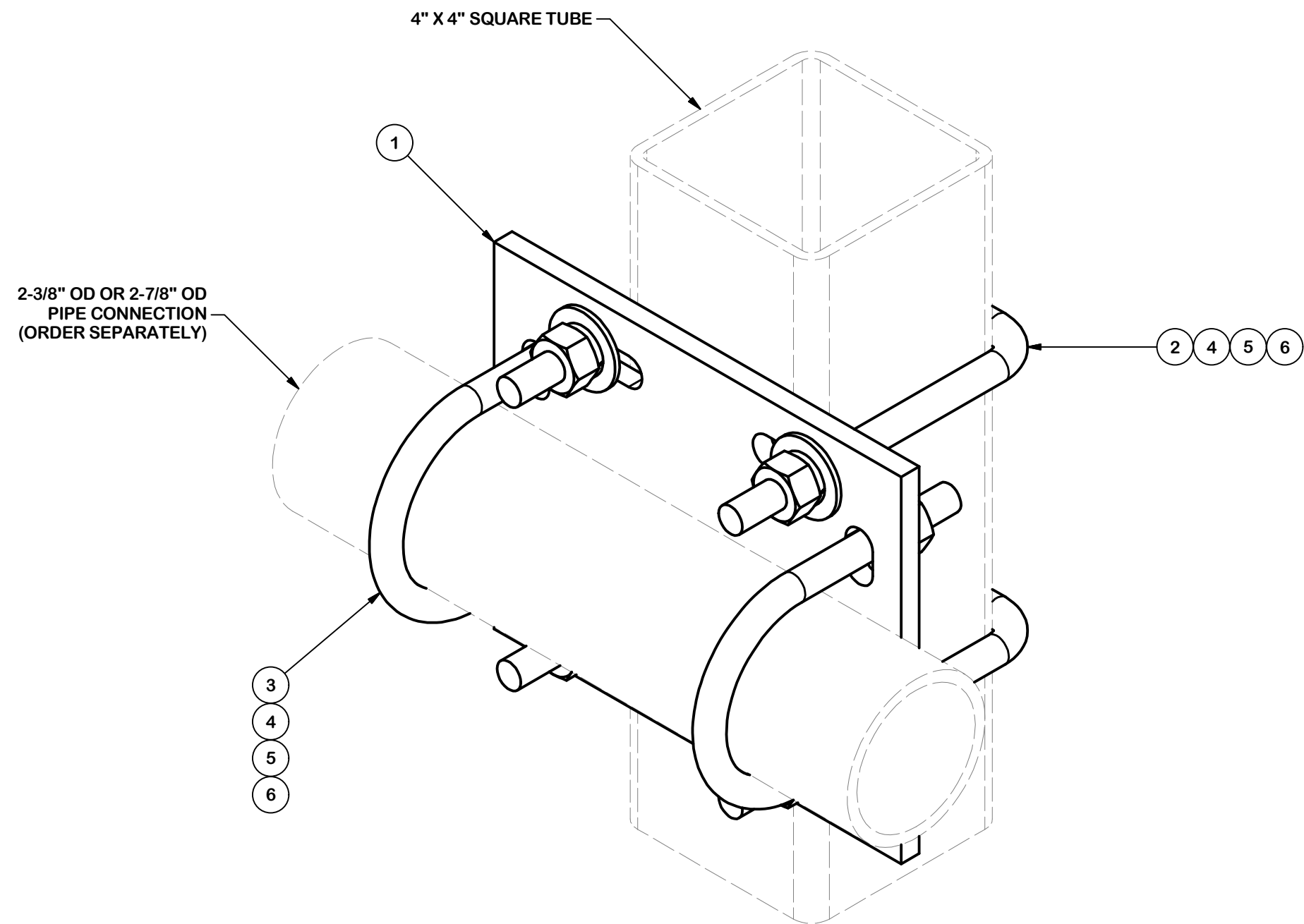
MOUNT PHOTOS

SHEET NUMBER :

S-6

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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



TOLERANCE NOTES

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

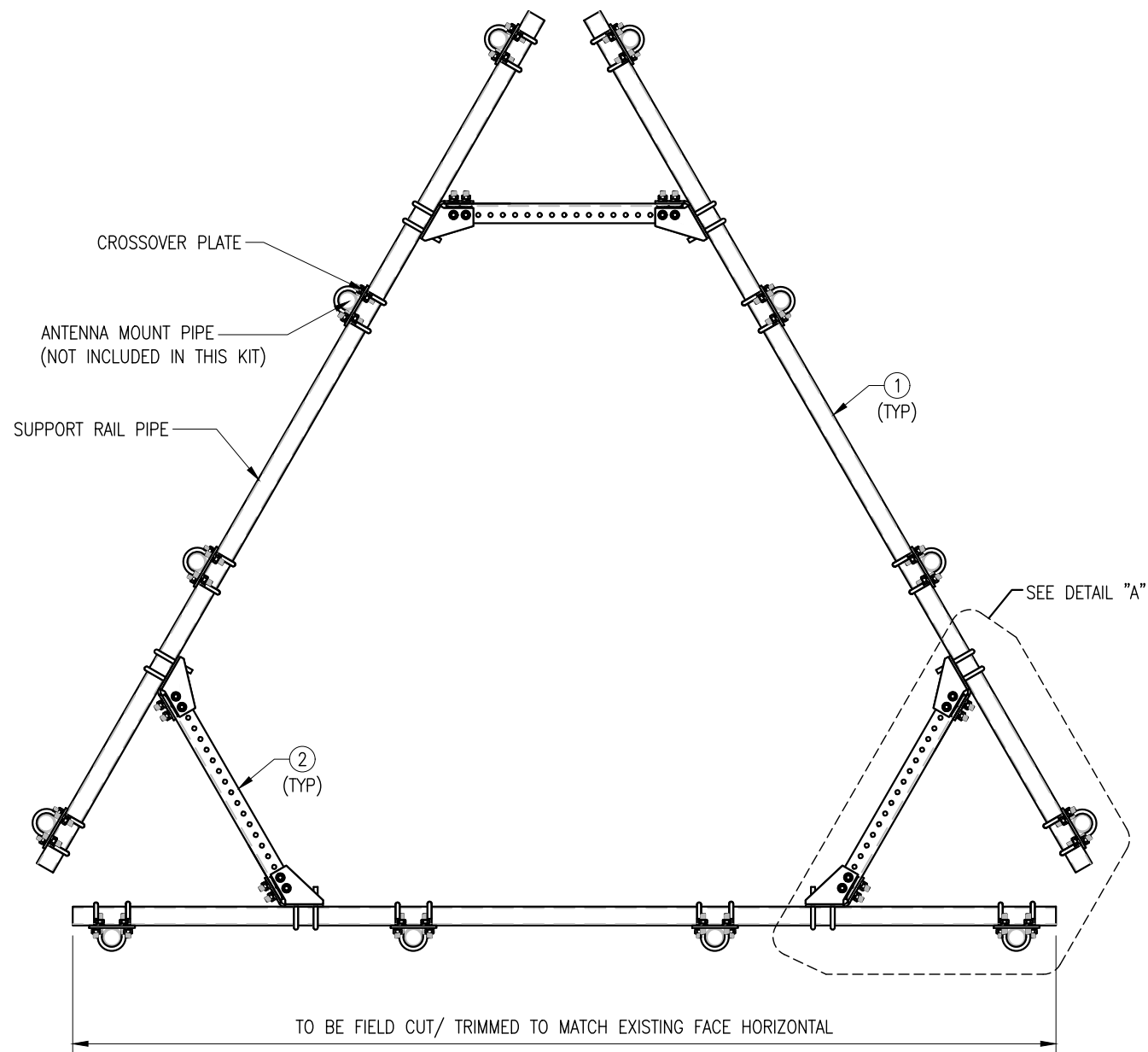
PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

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

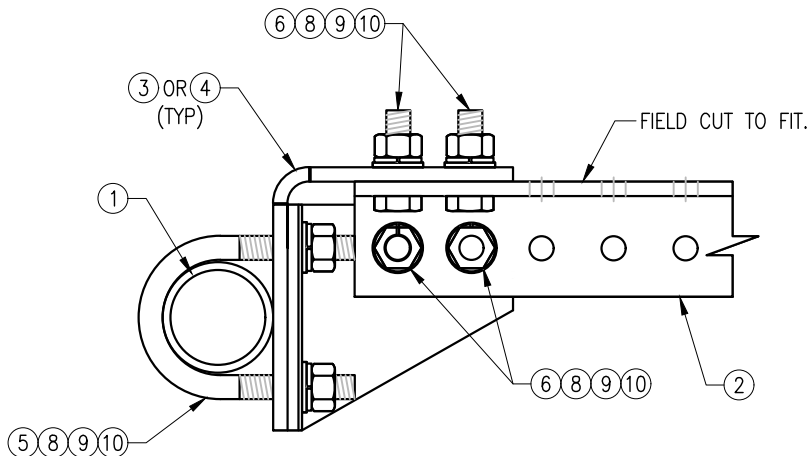
CPD NO.		DRAWN BY	ENG. APPROVAL
		CSL 9/18/2018	3RD PARTY
CLASS	SUB	DRAWING USAGE	CHECKED BY
87	02	CUSTOMER	BMC 11/12/2018

SITE PRO 1 A valmont COMPANY	Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX	
	Engineering Support Team: 1-888-753-7446	

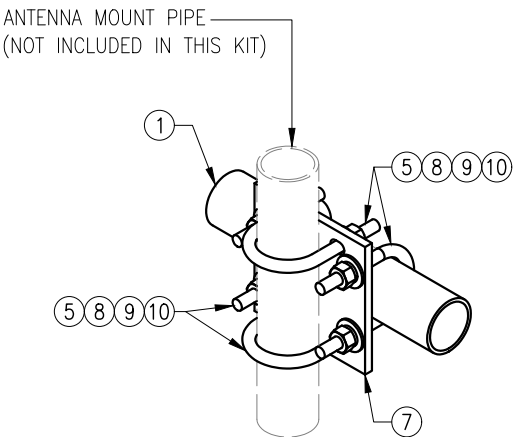
PART NO.	SQCX4-K	PAGE 1 OF 1
DWG. NO.	SQCX4-K	



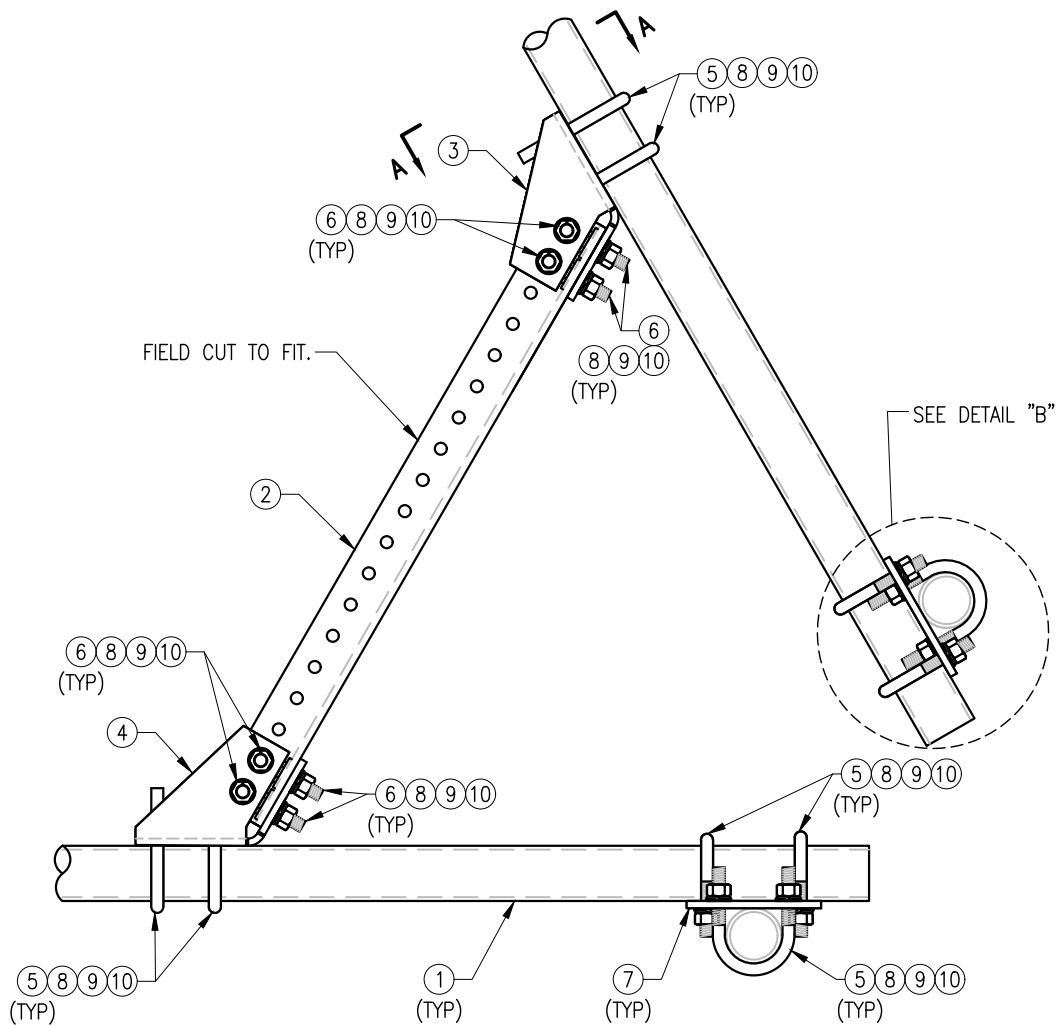
PLAN VIEW



SECTION "A-A"



DETAIL "B"



DETAIL "A"

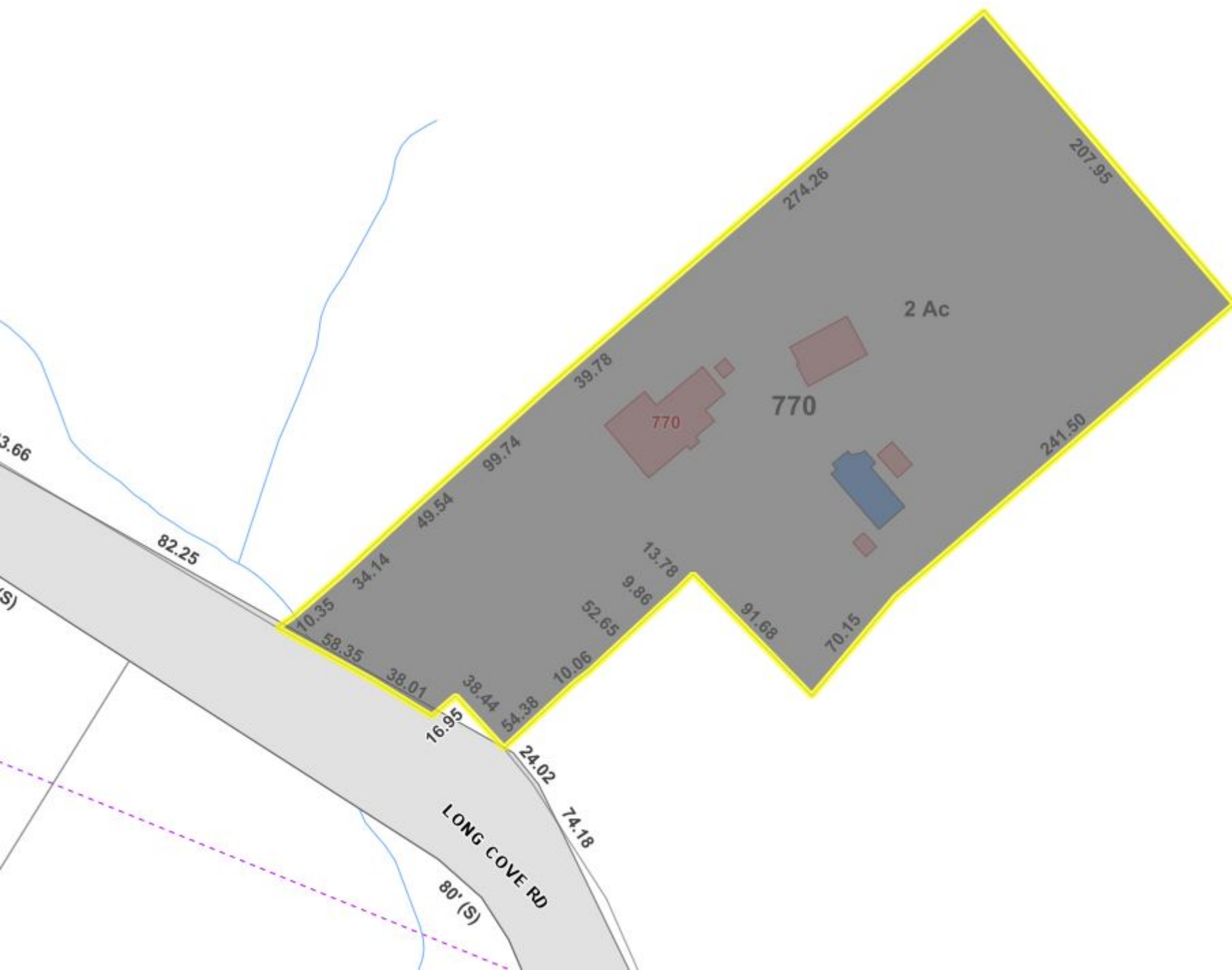
NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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

DRAWN BY: H.R		CHECKED BY: HMA	
REV.	DESCRIPTION	BY	DATE
△	FIRST ISSUE	H.R	05/08/20
△			
△			
△			
SHEET TITLE:			
VZWSMART-PLK1 SUPPORT RAIL KIT			
SHEET NUMBER:		REV #:	
VZWSMART-PLK1		0	

ATTACHMENT 5

184.92 AcC



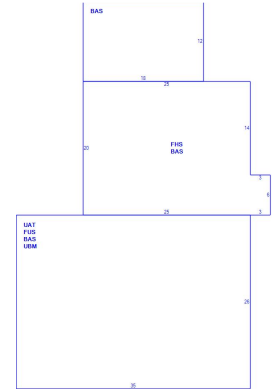
Town of Ledyard Property Summary Report

770 LONG COVE RD

PARCEL ID:	109-1340-770
LOCATION:	770 LONG COVE RD
OWNER NAME:	WOODY NATHANIEL + JULIE DUPONT-



OWNER OF RECORD
WOODY NATHANIEL + JULIE DUPONT-
770 LONG COVE RD
GALES FERRY, CT 06335



LIVING AREA:	2865	ZONING:	R60	ACREAGE:	2.00
---------------------	------	----------------	-----	-----------------	------

SALES HISTORY

OWNER	BOOK / PAGE	SALE DATE	SALE PRICE
WOODY NATHANIEL + JULIE DUPONT-	494/ 269	21-Feb-2012	\$270,000.00
ATKINSON DOROTHY SANTIN + WILLIAM G JR T	373/ 818	09-Jan-2004	\$0.00
ATKINSON DOROTHY SANTIN	257/ 519	28-Feb-1996	\$0.00
ATKINSON WILLIAM G	0128/0879	09-May-1983	\$0.00
ATKINSON WILLIAM G ATKINSON MARTHA L	0102/0187	14-Oct-1976	\$0.00

CURRENT ASSESSED VALUE

TOTAL:	\$270,480.00	IMPROVEMENTS:	\$215,810.00	LAND:	\$54,670.00
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ASSESSING HISTORY

FISCAL YEAR	TOTAL VALUE	IMPROVEMENT VALUE	LAND VALUE
2020	\$270,480.00	\$215,810.00	\$54,670.00
2019	\$266,630.00	\$214,760.00	\$51,870.00
2018	\$266,630.00	\$214,760.00	\$51,870.00
2017	\$266,630.00	\$214,760.00	\$51,870.00
2016	\$266,630.00	\$214,760.00	\$51,870.00

Town of Ledyard Property Summary Report

770 LONG COVE RD

PARCEL ID:	109-1340-770
LOCATION:	770 LONG COVE RD
OWNER NAME:	WOODY NATHANIEL + JULIE DUPONT-

BUILDING # 1

YEAR BUILT	1790	ROOF STRUCTURE	Gable/Hip
STYLE	Antique	ROOF COVER	Asphalt Shingl
MODEL	Residential	FLOOR COVER 1	Hardwood
GRADE	Very Good	FLOOR COVER 2	Pine/Soft Wood
STORIES	2	HEAT FUEL	Oil
OCCUPANCY	Single Fam M01	HEAT TYPE	Hot Water
EXT WALL 1	Clapboard	AC TYPE	None
EXT WALL 2	NULL	BEDROOMS	3 Bedrooms
INT WALLS 1	Drywall/Sheet	FULL BATHS	2
INT WALLS 2	Plastered	HALF BATHS	0
		TOT ROOMS	10



EXTRA FEATURES

DESCRIPTION	CODE	UNITS
2ST Fireplace	FPL3	NULLxNULL (2.00 UNITS)

EXTRA FEATURES

DESCRIPTION	CODE	UNITS
Carport- Ave	FCP	NULLxNULL (350.00 S.F.)
Shed	SHD1	NULLxNULL (420.00 S.F.)
Inground Pool	SPL2	NULLxNULL (612.00 S.F.)
Shed	SHD1	NULLxNULL (48.00 S.F.)
SOLAR PANELS	MSC40	0xNULL (.00 UNIT)
Shed	SHD1	NULLxNULL (100.00 S.F.)

ATTACHMENT 6



LEDYARD SOUTH
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 3	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here <i>Postmark with Date of Receipt.</i> 			
	Postmaster, per (name of receiving employee) 					
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)		Postage	Fee	Special Handling	Parcel Airlift
1.	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.	Nathaniel and Julie Dupont Woody 770 Long Cover Road Gales Ferry, CT 06335					
4.						
5.						
6.						